# ROSPER

**Empowering Tribes-Transforming Lives** 



**Dr. Shyamal Kumar Mondal** 

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**Dr. Pradip Dey** 



भाकृअनुप-कृषि तकनीकी अनुप्रयोग अनुसंधान संस्थान कोलकाता ICAR- Agricultural Technology Application Research Institute भूमि विहार काम्प्लेक्स, ब्लाक-जी.बी., सेक्टर-3, साल्ट लेक, कोलकाता - 700097

Bhumi Vihar Complex, Block-GB, Sector-III, Salt Lake, Kolkata-700097, WB



# PROSPER

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#### **Editors**

Dr. Kalyan Sundar Das Dr. Shyamal Kumar Mondal Dr. Ankita Begam Dr. Pradip Dey





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भूमि विहार काम्प्लेक्स, ब्लाक-जी.बी., सेक्टर-3, साल्ट लेक, कोलकाता - 700097 Bhumi Vihar Complex, Block- GB, Sector- III, Salt Lake, Kolkata- 700097, WB

#### Citation



Das KS, Mondal SK, Begam A and Dey P. 2024. Prosper: Empowering tribestransforming lives. Published by Dr. Pradip Dey, Director, ICAR-Agricultural Technology Application Research Institute Kolkata, Salt Lake, Kolkata-700097, West Bengal, India, pp: 1-182.

#### **Editors**

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This publication is an outcome of technical achievements done by 10 KVKs of 8 districts of ICAR-ATARI Kolkata

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#### Published by

Dr. Pradip Dey, Director, ICAR-ATARI Kolkata

ISBN: 978-81-970646-9-2

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#### **Printed** at

M/s Jagannath Reprographics Pvt. Ltd. 31, Akhil Mistry Lane, Kolkata-700009



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#### **Foreword**

Tribal Sub-Plan (TSP) was initiated for the rapid socio-economic development and welfare of the tribal people. TSP is a strategy to elevate the economic, educational and social conditions of tribal communities. Agricultural technologies disseminated by KVKs have been instrumental in transforming tribal livelihoods and narrowing the developmental chasm between scheduled tribe and the general populace. The KVKs have been the torchbearers of the Tribal Sub-Plan (TSP) or Scheduled Tribe Component (STC), executing the vision through the diligent efforts of the Agricultural Technology Application Research Institutes (ATARIS).

I am happy to know that ICAR-ATARI Kolkata has undertaken the commendable task of documenting the significant achievements of various KVK activities in tribal dominated districts. The document not only chronicles the success stories but also encapsulates the valuable experiences of the scientists who were engaged with this scheme. It will be helpful for readers, researchers, policy makers and other stakeholders in crafting future roadmaps of tribal development.

I extend my appreciation to Dr. U. S. Gautam, DDG (AE); Dr. Pradip Dey, Director, ICAR-ATARI Kolkata, and their dedicated team for their unwavering commitment in coordinating the TSP/STC activities and meticulously compiling this document.

I compliment the authors for their exceptional contribution in bringing out this book.

Himanshu Pathak

Dated the 4th July, 2024 New Delhi



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#### **Foreword**

It gives me immense pleasure to learn that the remarkable document compiled by ICAR- Agricultural Technology Application Research Institute, Kolkata, detailing the multi-faceted agricultural activities conducted under Tribal Sub Plan (TSP)/Scheduled Tribe Component (STC) from 2017-18 to 2022-23. This document, aptly titled 'Prosper: Empowering Tribes- Transforming Lives', captures the tireless dedication and innovative spirit of ten KVKs of the Zone. These KVKs have been working at grassroots level in their respective districts, adhering diligently to the Council's guidelines.

Despite the inherent challenges and remoteness of these tribal-dominated districts, the KVKs have played pivotal role in enhancing the livelihoods and socio-economic status of the tribal community. Their efforts in asset creation, technology assessment, demonstrations, capacity building through skill development and conducting other special programmes have inspired, educated and enlightened farmers on the latest agricultural advancements.

This publication stands as a testament to their painstaking efforts and is truly commendable. I extend my heartfelt appreciation to the Director, ICAR-ATARI Kolkata and his team of scientists for their industrious documentation. My congratulations go to the KVKs for their unwavering commitment to the successful implementation of the scheme. Their work not only transforms the lives of the tribal communities but also contributes significantly to the broader goal of inclusive agricultural development in our nation.

**Udham Singh Gautam** 

## **Preface**



The upliftment of the socio-economic status of tribes has always been a top priority for the Government of India (Gol). Specially focused strategies and comprehensive policies have been crafted and adopted over time to ensure that scheduled tribes share the benefits of developmental growth equitably. As the plan evolved, its scope expanded, and even the scheme's name was changed to 'Scheduled Tribe Component (STC)' from erstwhile 'Tribal Sub Plan (TSP)'. The Ministry of Tribal Affairs, Gol, identified tribal-dominated districts (with over 50% tribal population) to improve the quality of life for the tribal community. Under ICAR-ATARI Kolkata, eight such districts-seven from Odisha and one from the Andaman & Nicobar Islands were earmarked for STC/TSP. In these districts, 10 Krishi Vigyan Kendras (KVKs) under the Division of Agricultural Extension, ICAR, New Delhi, actively implemented the scheme. These KVKs included Nicobar from Andaman & Nicobar Islands and Gajapati, Kandhamal, Mayurbhanj-I, Mayurbhanj-II, Malkangiri, Nabarangapur, Raygada, Sundargarh-I and Sundargarh-II from Odisha.

I am delighted to share that all 10 KVKs in this zone did splendid work from 2017-18 to 2022-2023, significantly benefiting the tribal community through holistic agricultural development. Despite limited manpower, they covered 760 villages during this period. The KVKs conducted a total of 476 On-Farm Testing (OFT), 11110 Front Line Demonstrations (FLDs), 3402 training sessions, and 2440 special programs, benefiting 3285, 11110, 89721 and 196546 tribal farmers, respectively. A substantial number of assets (23979) were created and distributed among 12335 tribal farmers. Additionally, the KVKs produced 6944 quintals of seeds, 33.72 lakh planting materials and 3.18 lakh livestock and fish fingerlings, benefiting 37602, 24312 and 6383 farmers, respectively. KVK scientists also tested 22392 soil and 200 water samples, benefiting 57945 farmers. A total of 3070 agro-advisories covering crops, livestock, fisheries, weather, marketing and enterprises were communicated to 54.31 lakh tribal farmers. The STC/TSP not only enhanced average family income and consumption levels by about 21% each but also increased the availability of agricultural implements per household by 3.62%. It improved access to refined agricultural technologies, seeds, planting materials, livestock, fish fingerlings and upgraded knowledge and skills for soil test-based fertilizer use and other agricultural practices.

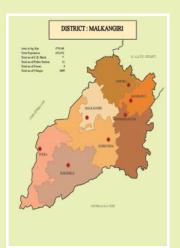
I must commend the hard work and tireless efforts of all 10 KVK personnel in implementing this scheme systematically and achieving remarkable milestones during the reporting period. This book, titled 'Prosper: Empowering Tribes-Transforming Lives', provides comprehensive and detailed information about the physical and financial achievements of various activities conducted under STC/TSP by the ten KVKs in this zone over six years. The book highlights the transformative potential of STC/TSP activities in tribal areas, empowering communities and paving the way for a sustainable, prosperous future, while inspiring action and dialogue among policymakers and stakeholders. I sincerely acknowledge the encouragement and guidance from the Agricultural Extension Division, ICAR, New Delhi; the help from the Director, ICAR-CIARI, Port Blair and the Dean, Extension Education, OUAT, Bhubaneswar; as well as the contributions of the Scientists and Staff of ICAR-ATARI Kolkata for their hard work in bringing out this publication.

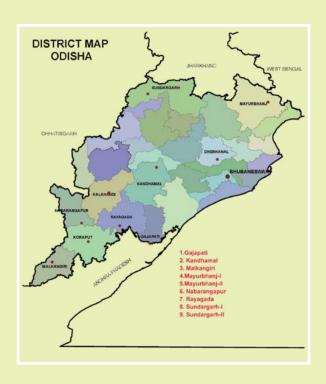
Kolkata 04.07.2024 (Pradip Dey) Director

# **District Map of TSP KVKs**





















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## INTRODUCTION

Primitive, geographically isolated, shy and socially, educationally and economically backwardness are the traits that distinguish Scheduled Tribes of our country from other communities. The report of National Commission for Scheduled Tribes (NCST), GoI envisaged that tribal communities live in about 15% of the country's areas in various ecological and geo-climatic conditions ranging from plains to forests, hills and inaccessible areas. Tribal groups are at different stages of social, economic and educational development. While some tribal communities have adopted a mainstream way of life at one end of the spectrum, there are 75 Primitive Tribal Groups (PTGs), at the other, who are characterized by (a) a pre-agriculture level of technology, (b) a stagnant or declining population (c) extremely low literacy and (d) a subsistence level of economy. As per article 342 of the Constitution of India, there are more than 500 tribes (with many overlapping communities in more than one State) spread over different States and Union Territories of the country and the largest number of tribal communities are found in the State of Orissa.

Promotion of all round development of tribals inhabiting the length and breadth of our country has received prior attention of the government. The Tribal Sub Plan (TSP) was a planning concept which was implemented in 17 states and 2 union territories of India for the first time during Fifth Five Year Plan (1974-1979) to channelize the flow of benefits from the general sectors in the Central Ministries/ Departments for the development of tribal population. The sphere of the plan has been gradually increased with the passage of time. At the end of the Ninth Five Year Plan (2002), 23 states and union territories were covered under that plan. The concept was intended to address the issues of backwardness in tribal areas and tribal population in an integrated way. The purpose of TSP was to minimize the gap between the livelihood of tribal people and other general communities both in physical and financial terms through addressing the issues relating to education, health services, housing, income generating opportunities and protection against exploitation and oppression.

The TSP strategy had twin objectives- i) socio-economic development of scheduled tribes and ii) protection of tribal people against exploitation. Guidelines on formulation, implementation and monitoring of TSP were issued by the Planning Commission from time to time to the States/UTs and Central Ministries for the formulation and effective implementation of the TSP. In the year 2005, it was revised and during 2006, guidelines were issued. In 2010, a task force identified 28 Central Ministries/departments to earmark allocation in proportion to the population of STs. Initially, the blocks or tehsils with 50 per cent or more tribal

population were included under TSP and the development was closely monitored by the tribal welfare departments of the respective states.

At the Indian Council of Agricultural Research (ICAR) in the year 2015-16, Zonal Project Directorates were renamed as Agricultural Technology Application Research Institute (ATARI) and subsequently, three new ATARIs were created. Accordingly, KVKs were redistributed under 11 ATARIs in the year 2017-18. Since then, ICAR-ATARI Kolkata is monitoring different activities of 8 tribal dominated districts covering 10 Krishi Vigyan Kendras (KVKs) which were identified by the Ministry of Tribal Affairs, GoI to provide the tribal people a better quality of life. Ten KVKs, who are dealing with TSP, are Gajapati, Kandhamal, Mayurbhanj-I, Mayurbhanj-II, Malkangiri, Nabarangapur, Rayagada, Sundargarh-I and Sundargarh-II from Odisha and Nicobar (Andaman and Nicobar Islands). The monitoring of TSP plan was being done by erstwhile Planning Commission till the year 2017-18.

The earlier system of planning was discontinued and the TSP was renamed as Scheduled Tribe Component (STC) by the Ministry of Finance after merging of Plan and Non-Plan schemes and the responsibility of monitoring of STC plan was given to the Ministry of Tribal Affairs. Forty-one Central Ministries/Departments were identified for earmarking STC and the State Governments were supposed to earmark TSP funds in proportion to ST population (Census 2011) in the States with respect to total State Plan. The Government allocated funds for different schemes/programmes across Ministries/ Departments for targeted financial and physical benefits to the Scheduled Tribes. Ministry of Tribal Affairs launched an online portal as 'Scheduled Tribe Component Management Information System (STCMIS)' in 2018. The portal monitors the funds allocated/released for the welfare of Scheduled Tribes in Union Budget. In the year 2022-23, the STC scheme was continued in the name of Development Action Plan for Scheduled Tribes (DAPST).

However, all 10 above mentioned KVKs of ICAR-ATARI Kolkata were continuously engaged with conducting different mandated activities which included asset creation, on-farm trials (OFTs), frontline demonstrations (FLDs), capacity building training of farmers/farm women/rural youth, training of extension functionaries, various extension programmes, seed/planting materials/livestock/fish fingerlings production, soil/water testing, plant/livestock disease diagnosis, providing agro-advisories etc. for the benefit of tribal farmers in their respective districts. Through this publication, an effort has been made to document various activities conducted by 10 tribal KVKs of this zone during the year 2017-18 to 2022-23 which have been presented under the following heads.

# DETAILS OF TRIBAL DISTRICTS UNDER ICAR-ATARI KOLKATA

#### 2.1 Details of tribal districts with population

The total number of blocks under the jurisdiction of different KVKs under ICAR-ATARI Kolkata, their total population and tribal population including male amd female have been shown in the following table.

Table: Details of population of tribal districts

State/UT	District	Name of	Total No.	Total	Popul	lation	Total ST	Popul	ation
		KVK	of Blocks	Population in District	М	F	Population in District	М	F
Odisha	Gajapati	Gajapati	07	577817	282882	294935	313714	151902	161812
	Kandhamal	Kandhamal	12	733110	359945	373165	392820	190506	202314
	Malkangiri	Malkangiri	07	613192	303624	309568	354614	171717	182897
	Mayurbhanj	Mayurbhanj-l	26	2519738	1256213	1263525	1479576	730487	749089
		Mayurbhanj-l							
	Nabarangpur	Nabarangpur	10	1220946	604812	616134	5060	2497	2563
	Rayagada	Rayagada	11	967911	471960	495951	541905	259040	282865
	Sundargarh	Sundargarh-l	17	2093437	1061147	1032290	1062349	526856	535493
		Sundargarh-II							
Total		90	8726151	4340583	4385568	4150038	2033005	2117033	
A & N Islands	Nicobar	Nicobar	03	36842	20727	16115	23681	12198	11483
	Grand Total		93	8762993	4361310	4401683	4173719	2045203	2128516

Source: Census (2011)

#### 2.2 Details of villages covered

The total number and name of villages covered by the different KVKs of this zone for different activities during the year 2017-18 to 2022-23 under TSP/STC are mentioned in the following table.

Table: Details of villages where different activities of TSP conducted during the year 2017-18 to 2022-23

Year	Name of KVK	Name of district	Sub-district	No. of Village	Name of village(s)
2017-18	Gajapati	Gajapati	Gajapati	5	Bhubani, Landusahi, Anukampa, Kaithapada and Titisingh
	Kandhamal	Kandhamal	Kandhamal	9	Burbinag, Nilungia, Kaladaganda, Kilakia, Simanbadi, Sudhipada, Gunjigaon, Sugadabadi and Bandaguda
	Malkangiri	Malkangiri	Malkangiri, Korkunda, Podia and Kalimela	12	Machhia, Kansapal, Ambdubi, Belam, Kochilapada, Pandasole, Sikargahi, Kisandahi, Brahamnigaon, Talabandha, Gargaria and Salabani
	Mayurbhanj-I	Mayurbhanj	Kaptipada, Bangiriposi, Shamakhunta, Badasahi, Kuliana, Baripada and Betnoti	12	Machhia, Kansapal, Ambdubi, Belam, Kochilapada, Pandasole, Sikargahi, Kisandahi, Brahamnigaon, Talabandha, Gargaria and Salabani



Year	Name of KVK	Name of district	Sub-district	No. of Village	Name of village(s)
	Mayurbhanj-II		Karanjia and Rairangpur	5	Badsole, Sialinai, Godapalsa, Kulgi and Mayurdar
	Nabarangapur	Nabarangpur	Jharigaon, Umerkote, Dabugaon, Raighar and Nandahandi	5	Monoguda, Chikalpadar, Junapani, Chatabeda and Sindhiguda
	Rayagada	Rayagada	Gunupur	14	Pradhaniguda, Dandaguda, Neelamguda, Bentiguda, Gadiakhala, Sanhuma, Garanda, Nalpanda, Laxmanguda, Rupapadar, Armada, Putasingh, Talana and Bhaleri Kudia
	Sundargarh-I	Sundargarh	Balisankara, Rajgangpur, Sadar, Tangarpali and Bargaon	6	Kinjrikela, Ranibandh, Lahandabud, Sundargarh, Khamarbahal and Talimunda
	Sundargarh-II		Panposh and Bonei	7	Guduguda, Khatankudar, Ranto, Nuniapalli, Putrikhaman, Bijadihi and Soleguda
	Nicobar	Nicobar	Car Nicobar	5	Big Lapathi, Arong, Tapoiming, Tamaloo and Kinyuka
		Sub-total		80	
2018-19	Gajapati	Gajapati	Gumma, Mohana, R. Udayagiri, Kasinagar, Gosani, Rayagada, Nuagada	55	Loba, Gaiba, Parida, Jhami, Serango, Bapunbudi, Tarangada, Tarava, Bhubani, Neridiguda, Anukunda, Chandiput, Birikote, Govindapur, Labarsingi, Jubagaon, Kaithapada, P.Govindpur, Ranalai, Chellagada, Mahendragada, Ramgiri, Sabarpalli, Phatachanchada, Kushapalli, Lubursing, Sunduruba, Chadiapada, Makapada, Kankadaguda, Anukumpa, Alama, R.Udayagiri, Tadava, k. sitapur, Allada, Kharsanda, Jajpur, Bhuskudi, Bagasola, Uppalada, Tatipati, Gandahati, Burujang, Jiranga, Narayanpur, Landusahi, Koinpur, Badapada, Tabarada, Luhangar, Titising, Souri, Leoba and Attarsing
	Kandhamal	Kandhamal	G. Udayagiri, Tikabali, Raikia, Daringibadi, K. Nuagaon, Khajuripada	15	Katadaganda, Bearpanga, Dakapala, Kilakia, Sujeli, Lamungia, Sirki, Penala, Burbinaju, Beredakia, Ladamala, Gindapanga, Bandaguda, Bedangpaju and Suduli
	Malkangiri	Malkangiri	Malkangiri	10	MV-2, MV-3, MPV-1,Boilapari, Tandapali, MV-9, MPV-6, MV-72, Siripeta and Jharapali
	Mayurbhanj-l	Mayurbhanj	Bangiriposi, Badasahi, Kuliana, Kaptipada, Baripada, Chitrada, Rasgovindpur, Shamakhunta and GB Nagar	34	Ghatkuanri, Slaghati, Domuhani, Bhandibil, Baskitola, Bautia, Jamtola, Kukurbhuka & Kamolpur, Kanchinda, Laxmiposi, Rangamatia, Brahmanigaon, Nayabasan, Unchabali, Chalkmadhapur, ABC Pur, Keutunimari, Betana, Ranigbeda, Fuljhara, Dardara, Macchia, Orachandabila Garudanesa, Betna, Astia, Thankaripal, Chakulia, Biripal, Tarajodi, Jambani, Jualirama and Nuagaon
	Mayurbhanj-II		Jashipur, Karanjia, Sukuruli, Kusumi, Raruan	26	Kasipal, Jumukakudar, Deuli, Kankadani, Kapanda, Chadripahadi, Handipuhan,Tulasibani, Jamunalia, Kaptira, Chatrisahi, Kusumi, Badsole, Godapalsa, Tarana, Badbil, Kaptira, Chinabeda, Kalapathara, Jashipur, Tangabila, Kasipal, Chadripahadi, Sialinai,Suanpal and Matiagarh Colony Sahi
	Nabarangapur	Nabarangpur	Nabarangpur	12	Monoguda, Chikalpadar, Bhamini, Chatabeda, Adibasi, Junapani, B.S Padar, Majhiguda, Nayakguda, Sanakumari, Badakumari and Badabharandi
	Rayagada	Rayagada	Gunupur	24	Pradhaniguda, Nuagaon, Neelamguda, Sanhuma, Gadiakhala, Nalpanda,Garanda, Rupapadar,Laxmanguda, Buting,Armada, Talana, Pagadabilli, Chalkamba, Kaithapadar, Bagsala, Turkaniguda, Bhaleri, Kudia, Ghanantri, Dandaguda, Putasingh, Majhiguda and Bharsingh

Year	Name of KVK	Name of district	Sub-district	No. of Village	
	Sundargarh-l	Sundargarh	Sadar, Bargaon, Tangarpalli Rajgangpur	9	Salangabud, Lahandabud, Birjaberna, Kinjrima, Barangakacchar, Talimunda, Khamarbahal, Ranibandh and Jhagarpur
	Sundargarh-II		Nuagaon, Lathikata, Panposh	9	Guduguda, Birkera, Ranto, Putrikhaman, Guduguda, Nuniapalli, Bagbudi, Khatankudar and Gotitangar
	Nicobar	Nicobar	Car Nicobar	10	Chuckchucha, Tapoiming, Kinyuka, Tamaloo, Perka, Mus,Big Lapathy, Small Lapathy, Arong and Kakana
		Sub-total		204	
2019-20	Gajapati	Gajapati	Gumma, Mohana, R.Udayagiri, Nuagada, Kashinagar	32	Tarava, Kaithapada, P. Govindpur, Jubagaon, Kaliapeta, Kankadaguda, Lubursingi, Muningadiha, Bayaguda, Kharipada, Jiranga, Jagannathapur, Sinisingi, Bastriguda, Atarsing, Goli, Badapada, Khajuripada, Rajaamba, Anusahi, Leoba, Titising, Upalada, Agarakhandi, Jamdeppur, Adagam, Hrischandrapur, Lingipur, Luhagudi, Mohana, Chandiput and Chandragiri
	Kandhamal	Kandhamal	G. Udayagiri, Tikabali, Raikia, Daringibadi, K. Nuagaon, Khajuripada	15	Sirki, Katadaganda, Bearpanga, Burbinaju, Dakapala, Kilakia, Sujeli, Lamungia, Penala, Beredakia, Ladamala, Gindapanga, Bandaguda, Bedangpaju and Suduli
	Malkangiri	Malkangiri	Malkangiri	8	MV-2, MV-3, MPV-6, MV-9, Pedawada, Boilapari, MV-4 and Dumaliguda
	Mayurbhanj-l	Mayurbhanj	Kaptipada, Rasgovindpur, Bangiriposi, Shamakhunta, Saraskana, Udala, Baripada, GB Nagar	37	Pedagadi, Badakhaladi, Macchia, Karanjapada, Singrisahi, Patharaghera, Gendapokhari, Chandibil, Bautia, Chalunia, Chalunia, Bankoda, Bhaduabada, Kuabuda, Ghuntibili, Nachhipur, Tulasiguth, Medam, Chakulia, Dulikisahi, Tadekiswar, Udala, Guhaldihi, Baripada, K.C. Pu, Sankhapata, Sunraikali, Khunta, Kirikichia, Chiktamatia, Tarakuti, Salbani Nadasole, Gargadia, Chikitamatia, Gundihudi and Dangarsahi
	Mayurbhanj-II		Jashipur, Karanjia, Raruan, Sukruli	17	Badbil, Badasialinai, Kasipal, Angarpada, Tangabila, Badsole, Jhumkakudar, Jamunalia, Begnabinda, Godapalsa, Kulundi, Durdura, Handipuhan, Kaptira, Palasagadia, Sialinai and Sukruli
	Nabarangapur	Nabarangpur	Nabarangpur	7	Monoguda, Chikalpadar, Bhamini, Majhiguda, BS Padar, Sanakumari and Badakumari
	Rayagada	Rayagada	Gunupur, Ramnaguda, Padmapur, Chandrapur	26	Pradhaniguda, Dandaguda, Neelamguda, Nuagaon, Gadiakhala, Sanhuma, Garanda, Nalpanda, Laxmanguda, Rupapadar, Armada, Putasingh, Talana, Bhaleri Kudia, Majhiguda, Pagadabilli, Sanyasipur Bagsala, Neelamguda, Sanhuma, Garanda, Nalpanda, Armada, Achhaba and Laxmanguda
	Sundargarh-I	Sundargarh	Badgaon, Rajgangpur, Tangarpali, Sundargarh	12	Barangakachhar, Talimunda, Birjaberna, Lahandabud, Jhagarpur, Ranibandh, Khamarbahal, Kinjrima, Kesramal, Lahandabud, Birjaberna and Tinkuda
	Sundargarh-II		Sundargarh Lathikata, Gurundia, Bonei	18	Ranto, Guduguda, Sorda, Nuniapalli, Garda, Khatankudar, Arjunchua, Bhaliadihi, Jamudarah, Kudabira, Deoposh, Teliposh, Nuagaon, Ghodabondh, Goldaru, Chikitia, Budeljore and Gudgudjor
	Nicobar	Nicobar	Car Nicobar	12	Tapoiming, Small Lapathy, Big Lapathi, Kinyuka, Kinmai, Tee-Top, Radhanaga, Vijaynagar, Govindnagar Baraenaka, Changamong and Taeela
		Sub-total		184	



Year	Name of KVK	Name of district	Sub-district	No. of Village	Name of village(s)
2020-21	Gajapati	Gajapati	Gumma, Mohana, Gosani, R.Udayagiri, Nuagada, Kashinagar	90	Abarsing, Alanga, Andarsing, Anukumpa, Ashrayapur, Attarsingh, Baunsasahi, Betaring, Bhandarisahi, Budhisila, Bulabagumma, urusing, Chandiput, Chandragiri, Cheligada, D. Katuru, Dhadiamaba, Dihudisahi, Dihudisahi, Dimirijholi, Dumba, Gamangosahi, Gholakana, Gobindpur, Guluba, Jagannathapur, Jeeba, Jhami, Jhola, Jodaamba, Jubagaon, K.M. Bhaliasahi, Kailashguda, Kaliapata, Kamarsahi, Kanchimula, Kankadaguda, Kankarada, Karanjasahi, Kendusahi, Kodikuma, Kuanpada, Kuttam, Ladiguda, Leoba, Liliguda, Limarsing, Makapada, Manikapur, Marlaba, Munigadia, Munising, N. Rogeising, Nuagada, Nuasahi, Padampur, Phatachanchada, Pindiki, Puspanga, R. Sitapur, R. Udayagiri, Raghunathpur, Raijuka, Ranalai, Randiba, Ringising, Rumunda, Sabarpalli, Sambalpur, Sialilati, Simulisahi, Subalada, Sunduraba, Sureikhamar, Tai, Tandiguda, Taraba, Tarangada, Tarboal, Tikamala, Titisingh, Tubursing, Tuman and Tumba
	Kandhamal	Kandhamal	G. Udayagiri, Tikabali, Raikia, Daringibadi, K. Nuagaon, Khajuripada	15	Bandaguda, Baudinaju, Bearpanga, Brahmanapada, Brainguda, Raipada, Gadaguda, Gindapanga, Kilakia, Kiramaha, Penala, Raipada, Sirki, Sudhipada and Sujeli
	Malkangiri	Malkangiri	Malkangiri	11	Bailapari, Dariguda, Jharapalli, MPV-1, MV-2, MV-3, MV-4, MV-9, Pedawada, Pradhanigu and Tandapalli
	Mayurbhanj-l	Mayurbhanj	Badsahi, Bangiriposi, Baripada, Betnoti, Kaptipada, Khunta, Kuliana, Sarskana Shamakhunta Udala	29	Alhapani, Ambdubi, Arpata, Badakhaladi, Badakuchiamara, Badkuldhia, Bandhagada, Bautia, Bholagodia, Chandibil, Charimania, Gohaldihi, Gundihudi, Jarkani, Jhinkipada, Kakarpani, Khaladi, Khirpada, Kisandahi, Kochilakhunta, Kukudagadi, Kusanpur, Madhapur, Matihudi, Nedam, Nuhamalia, Rangamatia, Sanabisal and Sharata
	Mayurbhanj-II		Jashipur, Raruan, Karanjia, Thakurmunda, Kusumi, Sukruli, Rairangpur, Jamda	24	Askipal, Badbil, Chhemundia, Goudagaon, Hatabadada, Hatigoda, Jamda, Jamunalia, Jhumkakudar, Kalanda, Kalapathar, Kaliani, Kaptira, Kasipal, Kulandi, Kumari, Matiagarh, Nihangandi, Podadiha, Rasamtala, Salarapada, Sangaon, Tangabila and Tilusahi
	Nabarangapur	Nabarangpur	Nabarangpur	5	Bhamini, Chikalpadar, Junapani, Monoguda and Nayakguda
	Rayagada	Rayagada	Gunupur and Raygada	30	Armada, Badabangi Kalma, Bhaleri Kudia, Chalkamba, Chinnasari, Garanda, Ghanantri, Gugurpang, Hadaguda, Jaripang, Khaira, Kulusing, Labba and Laxmanguda, Majhiguda, Nalpanda, Neelamguda, Omding, Ompara, Pandrajholli, Podosingh, Pradhaniguda, Purtiguda, Regeda, Rupapadar, Sanahuma, Srirampur, Talana and Turkaniguda
	Sundargarh-l	Sundargarh	Balisankara, Bargaon, Lephripara, Rajgangpur, Subdega Sundargarh, Tangarpali	12	Barangakacchar, Birjaberna, Damkuda, Khamarbahal, Kinjirkela, Kumbahal, Lahandabud, Masabira, Ranibandh, Talimuna, Tinkuda and Turungagarh)
	Sundargarh-II		Bisra, Gurundia, Kuarmunda, Lathikata and Nuagaon	15	Bagdega, Bareiguda, Ghodabandha, Guduguda, Gudugudejore, Khatankudar, Kutida, Lukumbeda, Nuniapalli, Putrikhaman, Ranto, Sanpokhar, Sona Parbat, Sorda and Yerla
	Nicobar	Nicobar	Car Nicobar	13	Arong, Big Lapathy, Chukchucha, Kakana, Kimious, Kinmai, Kinyuka, Malacca, Mus, Perka, Small Lapathy, Tamaloo and Tapoiming
		Sub-total		244	



Year	Name of KVK	Name of district	Sub-district	No. of Village	Name of village(s)
2021-22	Gajapati	Gajapati	Gumma, Kashinagar, Mohana, Nuagada, R.Udayagiri	30	Arsisahi, Atarasing, Bachama, Basidar, Bhalipanka, Dhimirijholi, Dihudisahi, Dimirijholi, Gobindapur, Jungjung, Kaliapata, Kankadaguda, Kesara, Kirtingi, Leobo, Lubursing, Luhangar, Narayanpur, Nuagada, Phatachanachada, Pindiki, Punjasaragi, R. Udayagiri, Religuda, Rumunda, Seranga, Sinising, Souri, Sureikhamar and Tuman
	Kandhamal	Kandhamal	Chakapada, Daringbadi, G. Udayagiri, K. Nuagaon, Khajuripada and Tikabali	30	Badakapalla, Badenaju, Badimunda, Bakikamba, Bandaguda, Baudinaju, Bearpanga, Brahmanapada, Brainguda, Gadaguda, Gindapanga, Indrapadia, Kanbagiri, Katadaganda, Kilakia, Kiramaha, Kurumingia, Lingagada, Penala, Pleheri, Raipada, Ratingia, Retudi, Sirki, Srirampada, Sudhipada, Sudsuli, Sujeli, Telengia and Tiangia
	Malkangiri	Malkangiri	Malkangiri	11	Dariguda, Kotliguda, Kotliguda, MPV-1, MPV-6, MV-2, MV-3, MV-8, MV-9, MVV-1 and Pedawada
	Mayurbhanj-l	Mayurbhanj	Badasahi, Bangiriposi, Baripada, Betnoti, G B Nagar, Kaptipada, Kuliana, Morada, Rasgovindpur, Shamakhunta	37	Ambdubi, Astatpura, Badakuldhia, Baghusole, Bagirathipur, Bholagadia, Brahamanigaon, Chakidi, Chalunia, Danagrbila, Domuhani, Ghatakuaniri, Gudughia, Jagganathpur, Jambani, Jualirama, Junapada, Kainchkothi, Karangapada, Kathruma, Khandukhal, Kochilakhunta, Kundalbani, Lalganj, Majhiani, Nagrasole, Nischinta, Palaspani, Sabania, Sadanandapur, Saratchandrapur, Saria, Shymasundarpur, Sikarghati, Sorispal, Tangasole and Tarajodi
	Mayurbhanj-II		Bijatala, Bisoi, Jashipur, Karanjia, Rairangpur, Raruan, Sukruli, Thakurmunda, Tiring	37	Anlabeni, Askipal, Badadeoli, Badajodi, Badapahad, Badateranti, Badbil, Bakala, Balibhol, Bansanali, Batapandugandi, Beaunria, Begunia, Bisoi, Dhatkia, Digdhara, Ghosada, Godapalsa, Jamukesawar, Jaralu, Jharbeda, Kadapandugandi, Kulanda, Madarangajodi, Mahardapalsa, Matiagarh, Moudi, Nuagoan, Podadiha, Purunadeogaon, Rangalbeda, Sangaon, Sialinai, Singarpur, Sulurpada, Tilusahi and Tuntuna
	Nabarangapur	Nabarangpur	Nabarangpur	13	Badakumari, Bhamini, BS Pader, Chhatabeda, Chikalpadar, Chingudiguda, Chitabeda, Dangariguda, Gauintiaguda, Junapani, Kumuli, Managuda and Nayakguda,
	Rayagada	Rayagada	Bargaon, Lephripara, Rajgangpur, Subdega, Sundargarh, Tangarpali	9	Barngakachhar, Birjaberna, Damkuda, Kumbahal, Lahandabud, Phuldhudi, Ranibandh, Sahebdera and Talimunda
	Sundargarh-l	Sundargarh	Bisra, Bonei, Gurundia, Kuarmunda, Lathikata, Nuagaon, Panposh,	14	Bareiguda, Dalakudar, Erla, Ghodabandh, Gopapalli, Guduguda, Khatankudar, Kulenbahal, Lungei, Nuniapali, Putrikhaman, Ranto, Sonaparvat and Sorda
	Sundargarh-II		Gudari, Gunupur Padmapur Ramnaguda	37	Achhaba, Armada, B. Gumarguda, Bada Sangidi, Bada, BadaAchhaba, BadaBangi, Bagsala, Bhimpurguda, Buting, Chalkamba, Garanda, Ghanatri, Gugurpang, Gulumunda, Jaripang, Jerling, Kalma, Khilapadar, Kukurguda, Laba, Limameda, Nalpanda, Nalpandaguda, Nilamguda, Nuagaon, Pagadabili, Pandrajholi, Podosing, Pradhaniguda, Rupapadar, Sanhuma, Sirijholi, Srirampur, Tada, Tolana and Turkaniguda
	Nicobar	Nicobar	Car Nicobar	16	Arong, Big Lapathy, Chuckchucha, Kakana, Kimious, Kinmai, Kinyuka, Malacca, Mus, Kinmai, Perka, Sawai, Small Lapathy, Tamaloo, Tapoiming and Tee-Top
		Sub-total		234	



Year	Name of KVK	Name of district	Sub-district	No. of Village	Name of village(s)
2022-23	Gajapati	Gajapati	Mohana, Nuagada, R.Udayagiri, Rayagada and Gumma	58	Abarsing, Adava, Alama, Arsis ahi, Attarsing, B.Kalakote, Badapada, Badapur, Bagam, Balibandha, Bayaguda, Bhaliasahi, Chadiapada, Cheligada, Dagharia, Darupani, Dhimirijholi, Dihudisahi, Dimiripanka, Ghodakana, Goli, Jang jang, Jodamba, Jungjung, K.Jhalarsingh, Kaliapata, Kankadaguda, Kankarada, Kere, Kirting, Krushnapur, Leoba, Lubursing, Luhakhunti, Luhangar, Mahulapada, Mohana, Munising, Paniganda, Parimala, Phatachanachada, R.Udayagiri, Rajamba, Rangamunda, Rogalsing, Rumunda, Sabarapalli, Seranga, Sialilati, Sinising, Souri, Sureikhamar, Tangili, Tarava, Tikamal, Tubursing, Tuman and Ukarsing
	Kandhamal	Kandhamal	Chakapada, G. Udayagiri, and K. Nuagaon	18	Bandaguda, Baudinaju, Bearpanga, Brahmanapada, Brainguda, Gadaguda, Gindapanga, Kainjhar, Kalikheata, Kilakia, Kiramaha, Mazadada, Penala, Raingia, Raipada, Sirki, Sudhipada and Sujeli
	Malkangiri	Malkangiri	Malkangir	11	Bandhaguda, Boilapari, MPV-6, Mv-2, MV-3, Mv-8, MV-9, MVV-1, Sargiguda and Tingiliguda
	Mayurbhanj-I	Mayurbhanj	Bangirposi, Baripada, Betnoti, G.B Nagar, Kaptipada, Khunta, Kuliana, Mayurbhanj-I, Morada, Rasgovindpur, Saraskana, Shyamakhunta, Suliapada and Udala	102	Ambapichhula, Ambdubi, Anua, Arjunbaria, Athanigaon, Asana, Badakhaladi, Baghuasole, Balimunduli, Bangiriposi, Bathudibandha, Bedkerko, Bhaliatilou, Bhalki, Bhandarikala, Bhandaripal, Bhanjpur, Bharardadihi, Bholagadia, Bhugupal, Biripal, Buhugdakuta, Chakdar, Chakulia, Chamapagadi, Chandanpur, Chilabasa, Dagnarsahi, Dahikuti, Dangarsahi, Deulidihi, Dhabanijoda, Dhanghera, Dubuksahi, Dukura, Gadargodi, Ghantabari, Ghuntabani, Gopalpur, Guhaldhi, Gundihudi, Ialmunduli, Itagada, Juna Khadikasol, Khunta, Kishandahi, Kuliana, Jadunathpur, Jagannathpur, Jualirama, Kaptipada, Karanajia, Kartnala, Kathpal, Khadiakasole, Khajuria, Khandia, Kuchei, Kukudapada, Kundalbani, Moroda, Madhunanada, Mahanala, Mankadapal, Monhinganj, Mundasahi, NewDihipasahi, Nischinta, Palasbani, Pannudash, Purunapani, Patapur, Purusottampur, Rajabasa, Ramhari pur, Rangamatia, Rathasole, Sankeraka, Saria, Sendhapachha, Sindurgoura, Singimara, Sorispal, Saliasahi, Sikarghati, Tangasole, Taradapal, Talabani, Talapada, Taragodi, Tarakoti and Tikayatpur
	Mayurbhanj-II		Bahalda, Bisoi, Jamada, Jashipur, Karanjia, Kusumi, Rairangpur, Sukruli and Thakurmunda	33	Askipal, Badabil, Badapahad, Beaunria, Begunia, Bhejidiha, Dubulbeda, Ektali, Goily Durdura, Jamada, Jamukeswar, Jarali, Jhumkakudar, Kalanda, Kaptira, Kasipal, Kunjia, Kusumi, Mahuldiha, Manada, Mata, Matiagarh, Mituani, Mota, Nuabeda, Nuagaon, Podagarh, Purunadeogaon, Salarapada, Sanagoan, Sannai, Tato and Tilusahi
	Nabarangapur	Nabarangpur	Nabarangpur	10	Bhamini, BS Padar, Chhatabeda, Chikalpadar, Chitabeda, Junapani, Kumuli, Managuda, Nayakguda and Patia
	Rayagada	Rayagada	Gunupur	25	Armada, Bada Achhaba, Badabangi, Bagsola, Bhaleri Kudia, Bhalerikudia, Bhimpurguda, Chalkamba, Chintaluguda, Garanda, Gugurpang, Gugurupanga, Gulumunda, Gumuda, Kalma, Nalpanda, Nilamguda, Nuagaon, Pagadabili, Podosing, Pradhaniguda, Rupapadar, Srirampur, Tolana and Turkaniguda



Year	Name of KVK	Name of district	Sub-district	No. of Village	Name of village(s)
	Sundargarh-I	Sundargarh	Bargaon, Lephripar, Rajgangpur, Sadar, Subdega, Sundargar, Sundargarh and Tangarpali	10	Barngakachhar, Damkuda, Jarangloi, Katrabudabahal, Lahandabud, Phuldhudi, Ranibandh, Sahebdera, Samina and Talimunda
	Sundargarh-II		Panposh, Bonei	21	Andali, Ankurpali, Bagbudi, Baraiguda, Bundop, Dolengsera, Erla, Gopapali, Guduguda, Gundipali, Jadakudar, Jaydega, Khuntgaon, Kundra, Kutida, Nuagaon, Nuniapali, Pradhanpali, Putrikhaman, Ranto and Suruda
	Nicobar	Nicobar	Car Nicobar	14	Arong, Big Lapathy, Chuckchuka, Kakana, Kinmai, Kinyuka, Malacca, Mus, Perka, Sawai Small, Lapathy, Tamaloo, Tapoiming and Tee Top
		Sub-total		302	
		Total		1248	

The district-wise total number and name of villages covered during six years by the KVKs of ICAR-ATARI Kolkata are presented below.

Table: District-wise total villages covered during 2017-18 to 2022-23 under Tribal Sub Plan w.r.t. ICAR-ATARI Kolkata

Name of KVK	No. of village	Name of villages covered
Gajapati	169	Abarsing, Adagam, Adava, Agarakhandi, Alama, Alanga, Allada, Andarsing, Anukumpa, Anukunda, Anusahi, Arsisahi, Ashrayapur, Atarasing, B.Kalakote, Bachama, Badapada, Badapur, Bagam, Bagasola, Balibandha, Bapunbudi, Basidar, Bastriguda, Baunsasahi, Bayaguda, Betaring, Bhaliasahi, Bhalipanka, Bhandarisahi, Bhubani, Bhuskudi, Birikote, Budhisila, Bulabagumma, Burujang, Chadiapada, Chandiput, Chandragiri, Cheligada, D. Katuru, Dagharia, Darupani, Dhadiamaba, Dhimirijholi, Dihudisahi, Dimirijholi, Dimiripanka, Dumba, Gaiba, Gamangosahi, Gandahati, Ghodakana, Gholakana, Gobindapur, Goli, Govindapur, Guluba, Hrischandrapur, Jagannathapur, Jajpur, Jamdeppur, Jang jang, Jeeba, Jhami, Jhola, Jiranga, Jodamba, Jubagaon, Jungjung, K. sitapur, K.Jhalarsingh, K.M. Bhaliasahi, Kailashguda, Kaithapada, Kaliapata, Kamarsahi, Kanchimula, Kankadaguda, Kankarada, Karanjasahi, Kendusahi, Kere, Kesara, Khajuripada, Kharipada, Kharsanda, Kirting, Kodikuma, Koinpur, Krushnapur, Kuanpada, Kushapalli, Kuttam, Labarsingi, Ladiguda, Landusahi, Leoba, Liliguda, Limarsing, Lingipur, Loba, Lubursing, Luhagudi, Luhakhunti, Luhangar, Mahendragada, Mahulapada, Makapada, Manikapur, Marlaba, Mohana, Munigadia, Muningadiha, Munising, N. Rogeising, Narayanpur, Neridiguda, Nuagada, Nuasahi, P.Govindpur, Paniganda, Parida, Parimala, Phatachanachada, Pindiki, Punjasaragi, Puspanga, R. Sitapur, R. Udayagiri, Raghunathpur, Raijuka, Rajamba, Ramgiri, Ranalai, Randiba, Rangamunda, Religuda, Ringising, Rogalsing, Rumunda, Sabarapalli, Sambalpur, Seranga, Sialilati, Simulisahi, Sinising, Souri, Subalada, Sunduruba, Sureikhamar, Tabarada, Tadava, Tai, Tandiguda, Tangili, Taraba, Tarangada, Tarava, Tarboal, Tatipati, Tikamal, Titising, Tubursing, Tuman, Tumba, Ukarsing, Upalada and Urusing.
Kandhamal	47	Badakapalla, Badenaju, Badimunda, Bakikamba, Bandaguda, Baudinaju, Bearpanga, Bedangpaju, Beredakia, Brahmanapada, Brainguda, Burbinag, Burbinaju, Dakapala, Gadaguda, Gindapanga, Gunjigaon, Indrapadia, Kainjhar, Kaladaganda, Kalikheata, Kanbagiri, Katadaganda, Kilakia, Kiramaha, Kurumingia, Ladamala, Lamungia, Lingagada, Mazadada, Nilungia, Penala, Pleheri, Raingia, Raipada, Ratingia, Retudi, Simanbadi, Sirki, Srirampada, Sudhipada, Sudsuli, Suduli, Sugadabadi, Sujeli, Telengia and Tiangia
Malkangiri	34	Ambdubi, Bailapari, Bandhaguda, Belam, Boilapari, Brahamnigaon, Dariguda, Dumaliguda, Gargaria, Jharapali, Kansapal, Kisandahi, Kochilapada, Kotliguda, Machhia, MPV-1, MPV-6, MV-2, MV-3, MV-4, MV-72, MV-8, MV-9, MVV-1, Pandasole, Pedawada, Pradhanigu, Salabani, Sargiguda, Sikargahi, Siripeta, Talabandha, Tandapali and Tingiliguda



Name of KVK	No. of village	Name of villages covered
Mayurbhanj-I	189	ABC Pur, Alhapani, Ambapichhula, Ambdubi, Anua, Arjunbaria, Arpata, Asana, Astatpura, Astia, Athanigaon, Badakhaladi, Badakuchiamara, Badakuldhia, Baghuasole, Bagirathipur, Balimunduli, Bandhagada, Bangiriposi, Bankoda, Baripada, Baskitola, Bathudibandha, Bautia, Bedkerko, Belam, Betana, Bhaduabada, Bhaliatilou, Bhalki, Bhandarikala, Bhandaripal, Bhandibil, Bhanjpur, Bharardadihi, Bholagadia, Bhugupal, Biripal, Brahmanigaon, Buhugdakuta, Chakdar, Chakidi, Chakulia, Chalunia, Chamapagadi, Chandanpur, Chandibil, Charimania, Chikitamatia, Chilabasa, Dagnarsahi, Dahikuti, Danagrbila, Dardara, Deulidihi, Dhabanijoda, Dhanghera, Domuhani, Dubuksahi, Dukura, Dulikisahi, Fuljhara, Gadargodi, Gargadia, Gargaria, Garudanesa, Gendapokhari, Ghantabari, Ghatakuaniri, Ghatkuanri, Ghuntabani, Ghuntibili, Gohaldihi, Gopalpur, Gudughia, Guhaldhi, Gundihudi, lalmunduli, Itagada, Jadunathpur, Jagannathpur, Jambani, Jamtola, Jarkani, Jhinkipada, Jualirama, Juna, Junapada, K.C. Pu, Kainchkothi, Kakarpani, Kamolpur, Kanchinda, Kansapal, Kaptipada, Karanajia, Karangapada, Kartnala, Kathpal, Kathruma, Keutunimari, Khadiakasole, Khajuria, Khaladi, Khandia, Khandukhal, Khirpada, Khunta, Kirikichia, Kisandahi, Kochilakhunta, Kochilapada, Kuabuda, Kuchei, Kukudagadi, Kukudapada, Kukurbhuka, Kuliana, Kundalbani, Kusanpur, Lalganj, Laxmiposi, Macchia, Madhapur, Madhunanada, Mahanala, Majhiani, Mankadapal, Matihudi, Medam, Monhinganj, Moroda, Mundasahi, Nachhipur, Nadasole, Nagrasole, Nayabasan, Nedam, New Dihipasahi, Nischinta, Nuagaon, Nuhamalia, Orachandabila, Palasbani, Pandasole, Pannudash, Purunapani, Patapur, Patharaghera, Pedagadi, Purusottampur, Rajabasa, Ramhari pur, Rangamatia, Ranigbeda, Rathasole, Sabania, Sadanandapur, Salbani, Saliasahi, Sanabisal, Sankeraka, Sankhapata, Saratchandrapur, Saria, Sendhapachha, Sharata, Shymasundarpur, Sikargahi, Sikargahi, Sikarghati, Sindurgoura, Singimara, Singrisahi, Slaghati, Sorispal, Sunraikali, Tadekiswar, Talabandha, Talabani, Talapada, Tangasole Taradapal, Taragodi, Tarakoti, Thankaripa
Mayurbhanj-II	96	Angarpada, Anlabeni, Askipal, Badabil, Badadeoli, Badajodi, Badapahad, Badasialinai, Badateranti, Badbil, Badsole, Bakala, Balibhol, Bansanali, Batapandugandi, Beaunria, Begnabinda, Begunia, Bhejidiha, Bisoi, Chadripahadi, Chatrisahi, Chhemundia, Chinabeda, Deuli, Dhatkia, Digdhara, Dubulbeda, Durdura, Ektali, Ghosada, Godapalsa, Goily Durdura, Goudagaon, Handipuhan, Hatabadada, Hatigoda, Jamada, Jamukesawar, Jamunalia, Jarali, Jaralu, Jashipur, Jharbeda, Jumukakudar, Kadapandugandi, Kalanda, Kalapathar, Kalapathara, Kaliani, Kankadani, Kapanda, Kaptira, Kasipal, Kulanda, Kulandi, Kulgi, Kulundi, Kumari, Kunjia, Kusumi, Madarangajodi, Mahardapalsa, Mahuldiha, Manada, Mata, Matiagarh, Mayurdar, Mituani, Mota, Moudi, Nihangandi, Nuabeda, Nuagoan, Palasagadia, Podadiha, Podagarh, Purunadeogaon, Rangalbeda, Rasamtala, Salarapada, Sanagoan, Sangaon, Sannai, Sialinai, Singarpur, Suanpal, Sukruli, Sulurpada, Tangabila, Tarana, Tato, Tilusahi, Tulasibani and Untuna
Nabarangpur	21	Adibasi, B.S Padar, Badabharandi, Badakumari, Bhamini, BS Pader, Chatabeda, Chikalpadar, Chingudiguda, Chitabeda, Dangariguda, Gauintiaguda, Junapani, Kumuli, Majhiguda, Managuda, Monoguda, Nayakguda, Patia, Sanakumari and Sindhiguda
Rayagada	60	Achhaba, Armada, Bada, Badabangi, Bagsala, Barngakachhar, Bentiguda, Bhaleri Kudia, Bharsingh, Bhimpurguda, Birjaberna, Buting, Chalkamba, Chinnasari, Chintaluguda, Damkuda, Dandaguda, Gadiakhala, Garanda, Ghanantri, Gugurupanga, Gulumunda, Gumuda, Hadaguda, Jaripang, Kaithapadar, Kalma, Khaira, Kudia, Kulusing, Kumbahal, Labba, Lahandabud, Laxmanguda, Majhiguda, Nalpanda, Neelamguda, Nilamguda, Omding, Ompara, Pagadabilli, Pandrajholli, Phuldhudi, Podosing, Podosingh, Pradhaniguda, Purtiguda, Putasingh, Ranibandh, Regeda, Rupapadar, Sahebdera, Sanahuma, Sanyasipur, Srirampur, Talana, Talimunda, Tolana and Turkaniguda.
Sundargarh-I	39	Kinjirkela, Barangakacchar, Bareiguda, Barngakachhar, Birjaberna, Dalakudar, Damkuda, Erla, Ghodabandh, Gopapalli, Guduguda, Jarangloi, Jhagarpur, Katrabudabahal, Kesramal, Khamarbahal, Khatankudar, Kinjrikela, Kinjrima, Kulenbahal, Kumbahal, Lahandabud, Lungei, Masabira, Nuniapali, Phuldhudi, Putrikhaman, Ranibandh, Ranto, Sahebdera, Salangabud, Samina, Sonaparvat, Sorda, Sundargarh, Talimuna, Talimunda, Tinkuda and Turungagarh.



Name of KVK	No. of village	Name of villages covered
Sundargarh-II	81	Achhaba, Andali, Ankurpali, Arjunchua, Armada, B. Gumarguda, Bada Sangidi, Bada, Bada Achhaba, Bada Bangi, Bagbudi, Bagdega, Bagsala, Baraiguda, Bhaliadihi, Bhimpurguda, Bijadihi, Birkera, Budeljore, Bundop, Buting, Chalkamba, Chikitia, Deoposh, Dolengsera, Erla, Garanda, Garda, Ghanatri, Ghodabandha, Goldaru, Gopapali, Gotitangar, Gudgudjor, Guduguda, Gudugudejore, Gugurpang, Gulumunda, Gundipali, Jadakudar, Jamudarah, Jaripang, Jaydega, Jerling, Kalma, Khatankudar, Khilapadar, Khuntgaon, Kudabira, Kukurguda, Kundra, Kutida, Laba, Limameda, Lukumbeda, Nalpanda, Nalpandaguda, Nilamguda, Nuagaon, Nuniapali, Pagadabili, Pandrajholi, Podosing, Pradhaniguda, Pradhanpali, Putrikhaman, Ranto, Rupapadar, Sanhuma, Sanpokhar, Sirijholi, Soleguda, Sona Parbat, Sorda, Srirampur, Suruda, Tada, Teliposh, Tolana, Turkaniguda and Yerla.
Nicobar	24	Arong, Baraenaka, Big Lapathi, Changamong, Chuckchucha, Chuckchuka, Govindnagar, Kakana, Kimious, Kinmai, Kinyuka, Lapathy, Malacca, Mus, Perka, Radhanaga, Sawai Small, Sawai, Small Lapathy, Taeela, Tamaloo Tapoiming, Tee Top and Vijaynagar.
Total	760	









# **DETAILS OF KVK PERSONNEL INVOLVED**

The following table depicts the involvement of Senior Scientist and Heads (SSHs) including Subject Matter Specialists (SMSs) of 10 KVKs of this zone who were actively involved in this programme in conducting various activities during the period 2017-18 to 2022-23.

#### Table: Details of KVK personnel involved

State/UT	Name of KVK	Name of concerned person(s)	Designation	Contact no.	E-mail ID
A&N	Nicobar	Dr. Santosh Kumar	Senior Scientist and Head	8787629636	santosh.kumar13@icar.gov.in
Islands		Dr. Y. Ramakrishna	PS and Former Senior Scientist and Head (I/C)	9436158901	yeraboina@icar.gov.in
		Dr. Sanjay Kumar Pandey	Former SMS and Sr. Scientist and Head (I/C)	6387222166	sanjay.pandey1@icar.gov.in
		Dr. Zachariah George	Former SMS (Animal Science)	9434271615	z.george@icar.gov.in
Odisha	Gajapati	Dr. Sangram Paramaguru	Senior Scientist and Head	9437492769	kvkgajapati.ouat@gmail.com
		Mr. Sanjib Kumar Mandi	SMS (Agronomy)	9679309801	kvkgajapati.ouat@gmail.com
		Mr. Jayashankar Pradhan	SMS (Agrometeorology)	9438285742	kvkgajapati.ouat@gmail.com
	Kandhamal	Dr. Narayan Bar	Senior Scientist and Head	8917575257	kvkkandhamal.ouat@gmail.com
		Dr. Debasis Mishra	Former Senior Scientist and Head	9438357962/ 7978872158	kvkkandhamal.ouat@gmail.com
		Mr. Sujit Ku. Mukhi	SMS (Soil Science)	7978176700	sujitbbsr1soil@yahoo.co.in
	Malkangiri	Dr. Sidhartha Kar	Senior Scientist and Head	9437633251	sidharthakar7@gmail.com
		Sri Nigamananda Behera	Former SMS (Agronomy) and Senior Scientist and Head (I/C)	9438188832	kvkmalkangiri.ouat@gmail.com
		Dr. Samir Ranjan Dash	Former Senior Scientist and Head	9438531167	kvkmalkangiri.ouat@gmail.com/malkangirikvk@yahoo.co.in/samirdash2007@rediffmail.com
	Mayurbhanj-l	Dr. Sanghamitra Pattnaik	Senior Scientist and Head	9437147934	kvkmayurbhanj1.ouat@gmail. com
		Sh. Debasis Jayapuria	Former SMS (Agril. Extension)	9337892822	jayapuria1947@gmail.com
	Mayurbhanj- Il	Dr. Deepak Kumar Mohanty	Senior Scientist and Head	9437237790 /7978953120	kvkmayurbhanj2.ouat@gmail. com
		Mrs. Bidyut Lata Mallick	SMS (Home Science)	9777852674 9861429778	bidyutlatamallick10@gmail.com



State/UT	Name of KVK	Name of concerned person(s)	Designation	Contact no.	E-mail ID
	Nabarangpur	Dr. Sasanka Lenka	Senior Scientist and Head ((I/C)	7008090385 9437264994	lenka57@gmail.com
		Dr. Gobinda Chandra Sahoo	Former Senior Scientist and Head	9178993612	kvknabarangapur.ouat@gmail. com
		Dr. Paritosh Murmu	SMS (Agronomy)	7077342555 7381820220	murmuparitosh1@gmail.com
	Rayagada	Dr. (Mrs.) Susmita Mohanty	Senior Scientist and Head	9937789325	kvkrayagada.ouat@gmail.com
		Shri Rajib Tudu	SMS (Plant Protection) and Senior Scientist and Head (I/C)	9933536220	kvkrayagada.ouat@gmail.com/ rajibtudu84@gmail.com
		Shri Bonod kumar Jena	SMS (Plant Science) and Senior Scientist and Head (I/C)	9439487631	kvkrayagada.ouat@gmail.com
		Shri Binod Chandra Behera	Scientist (Ag. Extension)	7749927750	bcbehera22@gmail.com
	Sundargarh-l	Dr. Laxmipriya Pradhan	Senior Scientist and Head	9438041580	kvksundargarh1.ouat@gmail. com
		Mr. David James Bage	SMS (Agril. Extension)	9438427784	kvksundargarh1.ouat@gmail. com
	Sundargarh-	Sri. Jayant Kumar Pati	Senior Scientist and Head	9040579454	kvksundergarh2.ouat@gmail. com/jayantp69@yahoo.co.in
		Dr. Manasi Bhol	Former Senior Scientist and Head	9437068616	manasibhol@yahoo.co.in
		Mr. Samarendra Baral	SMS (Plant Protection)	7008963838	samarendra.baral@gmail.com





# YEARLY FUND ALLOCATION

The fund allocation under Capital and General Head of ten KVKs of this Zone in different financial year has been given in the following table.

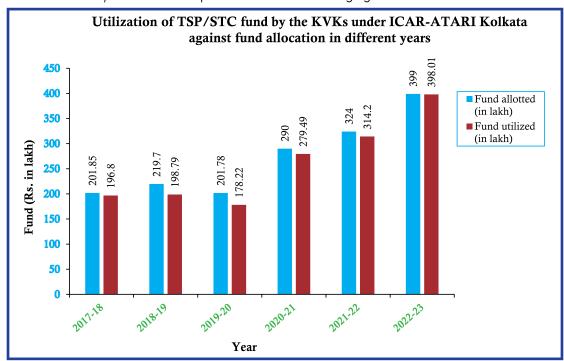
Table: Fund allocation under TSP/STC from 2017-18 to 2022-23 w.r.t. ICAR-ATARI Kolkata

(Rs. in Lakhs)

Name of	Name of KVK		2017-18	3		2018-1	9	2	2019-20	)		2020-2	1		2021-22		2022-23		
State/UT		Сар	Gen	Total	Сар	Gen	Total	Сар	Gen	Total	Сар	Gen	Total	Сар	Gen	Total	Сар	Gen	Total
A & N Islands	Nicobar	7.50	14.50	22.00	0.00	11.00	11.00	0.10	8.98	9.08	0.10	14.00	14.10	0.10	13.50	13.60	2.10	6.50	8.60
Sub-tota	1	7.50	14.50	22.00	0.00	11.00	11.00	0.10	8.98	9.08	0.10	14.00	14.10	0.1	13.50	13.60	2.10	6.50	8.60
Odisha	Gajapati	5.00	14.50	19.50	0.00	7.00	7.00	38.10	8.60	46.70	15.10	13.50	28.60	45.20	14.46	59.66	28.35	8.50	36.85
	Kandhamal	5.35	13.50	18.85	7.43	10.00	17.43	0.10	8.60	8.70	0.10	14.00	14.10	1.60	15.50	17.10	21.85	10.00	31.85
	Malkangiri	5.50	14.50	20.0	0.00	8.00	8.00	0.10	8.60	8.70	0.10	14.00	14.10	4.60	14.50	19.10	11.10	10.00	21.10
	Mayurbhanj-l	5.50	17.50	23.00	7.00	10.00	17.00	0.10	8.60	8.70	0.10	14.00	14.10	8.52	16.37	24.89	1.90	10.00	11.90
	Mayurbhanj-II	5.50	13.00	18.50	97.38	10.00	107.38	25.47	8.60	34.07	20.10	14.00	34.10	32.15	14.40	46.55	12.95	10.00	22.95
	Nabarangapur	5.50	14.50	20.00	5.97	10.00	15.97	50.70	8.60	59.30	40.10	14.00	54.10	57.33	15.00	72.33	49.34	10.00	59.34
	Rayagada	5.50	14.50	20.00	0.00	11.00	11.00	0.10	8.60	8.70	8.10	14.00	22.10	6.20	14.27	20.47	23.32	10.00	33.32
	Sundargarh-I	5.50	14.50	20.00	4.19	10.73	14.92	0.53	8.60	9.13	0.10	13.50	13.60	16.30	15.00	31.30	50.15	10.00	60.15
	Sundargarh-II	5.50	14.50	20.00	0.00	10.00	10.00	0.10	8.60	8.70	67.10	14.00	81.10	3.00	16.00	19.00	102.94	10.00	112.94
	Sub-total	48.85	131.00	179.85	121.97	86.73	208.70	115.30	77.40	192.70	150.90	125.00	275.90	174.90	135.5	310.40	301.90	88.50	390.40
	Total	56.35	145.5	201.85	121.97	97.73	219.70	115.40	86.38	201.78	151.00	139.00	290.00	175.00	149.00	324.00	304.00	95.00	399.00

Cap= Capital Head; Gen= General Head

The allotment of fund to the TSP/STC KVKs by ICAR-ATARI Kolkata and the utilization of fund by the KVKs during the year 2017-18 to 2022-23 under TSP/STC have been presented in the following figure.



## **ACHIEVEMENTS**

The achievements of ten TSP/STC KVKs of this zone during the year 2017-18 to 2022-23 have been presented under physical output and physical outcome below.

#### 5.1 Physical output

The physical output of KVKs of this zone under TSP/STC during the period of six years i.e. 2017-18 to 2022-23 has been discussed under the following subheads.

#### 5.1.1 Asset creation

The tribal farmers of eight selected districts of this zone were supported with supplying various types of implements and equipments related to different agricultural operations under TSP/STC scheme in different years which have been shown in the following table.

Table: Name and number of assets created and distributed to the tribal farmers by the KVKs during the year 2017-18 to 2022-23

Name of assets created		No. of a	ssets distrik	outed during	the year		Total
	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	
Garden rake	35	30	60	70	210	408	813
Hand maize sheller	525	270	280	224	615	758	2672
Vermi-bed	150	40	65	267	670	55	1247
Backyard poultry breed/strain (10 nos.=1 unit)	125	240	197	190	200	110	1062
Nutritional garden	250	530	1560	30	30	0	2400
Pump set etc.	0	50	7	20	6	0	83
Sprayer	75	121	54	63	153	251	717
Improved sickle	500	245	400	424	1050	1721	4340
Rose cane	130	33	290	615	385	1088	2541
Agro-shade net (bundles)	5	5	5	108	227	335	685
Khurpi	0	0	0	0	9	123	132
Trowel	0	0	0	0	200	108	308
Cycle weeder	0	0	0	0	70	47	117
Sapling (20 nos.= 1 unit)	0	0	0	0	100	15	115
Vermicompost (5 kg = 1 unit)	10	0	0	10	290	0	310
Bhendi plucker	100	150	150	269	920	760	2349
Fruit plucker	0	0	0	10	0	0	10
Ridge maker	0	25	10	30	20	20	105
MB plough (bullock drawn)	20	0	0	0	0	0	20
Bullock drawn one row seed cum fertilizer drill	6	0	0	0	0	0	6
Bullock drawn puddler	5	0	0	0	0	0	5
Bullock drawn seeder	1	0	0	0	0	0	1
Multipurpose dry grinder (2 hp)	3	0	0	0	0	0	3



Name of assets created		No. of a	ssets distrik	outed during	g the year		Total
	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	
Juice extractor	3	0	0	0	0	0	3
Chaff cutter	10	20	30	15	20	0	95
Garden hoe	0	0	0	0	380	178	558
Hand weeder	0	10	0	0	35	30	75
Solar dryer	0	1	0	0	0	0	1
Low-cost poly tunnel	0	0	10	10	20	0	40
Chick brooding unit	0	0	0	3	4	0	7
Straw cutter	0	0	0	5	10	13	28
Bee box with hive	0	0	10	10	10	15	45
UV stabilised polythene	0	0	10	10	20	4	44
Fish yearlings (100 nos. per farmer)	0	0	0	0	50	0	50
Mushroom spawn (paddy straw & Oyster; 10 bottles= 1 unit)	10	120	1200	200	300	0	1830
Lopper	0	0	0	0	0	0	0
Secateur	0	0	0	50	350	40	440
Hand cultivator	0	0	0	0	0	168	168
Knapsack sprayer	0	0	0	0	0	344	344
Coconut climber	0	0	0	0	100	56	156
Fishing rods	0	0	0	0	20	34	54
Total	1963	1890	4338	2633	6474	6681	23979
No. of benefitted farmers							
Male	581	342	630	1029	1490	1985	6057
Female	861	284	669	991	1312	2161	6278
Total	1442	626	1299	2020	2802	4146	12335
Total cost involved (Rs. In lakh)	29.17295	3.88304	6.36922	10.36497	29.96536	35.35158	115.1071

#### 5.1.2 On-farm trials (OFTs)

The KVK scientists were continuously engaged with transferring proven technologies available at different ICAR institutes and State Agricultural Universities (SAUs) to the farmers' field. Depending upon the agroclimatic conditions, sometimes assessment and refinement of technologies were required which were conducted by the scientists at the KVK Campus in the form of OFTs before taking them in the farmers' field for adoption.











#### 5.1.2.1 Total OFTs conducted

The total number of OFTs along with area covered, number of beneficiaries and cost involved in different years by the KVKs of this zone have been given in the following table.

Table: Details of on farm trials (OFTs) conducted during the year 2017-18 to 2022-23

Year	Name of KVK	No. of	No. of	Area covered	Livestock	No. of	benefitted fo	armers	Cost involved
		OFT	trials	(Acre)	(No.)	Male	Female	Total	(Rs.)
2017-18	Gajapati	6	35	7.00	0	21	14	35	78510
	Kandhamal	7	56	5.00	50	37	19	56	9621
	Malkangiri	6	45	7.50	0	28	17	45	32000
	Mayurbhanj-l	7	57	5.93	60	32	25	57	15728
	Mayurbhanj-II	6	47	5.50	10	25	22	47	31386
	Nabarangapur	6	49	3.00	0	31	18	49	15500
	Rayagada	7	54	10.00	0	34	20	54	58450
	Sundargarh-I	7	49	11.40	200	27	22	49	32000
	Sundargarh-II	6	43	8.65	0	23	20	43	10907
	Nicobar	5	34	0.50	100	22	12	34	25500
	Sub-total	63	469	64.48	420	280	189	469	309602
2018-19	Gajapati	7	48	10.00	0	27	21	48	48869
	Kandhamal	8	61	10.00	40	32	29	61	18452
	Malkangiri	7	52	12.50	0	29	23	52	85000
	Mayurbhanj-l	8	51	12.11	30	27	24	51	3185
	Mayurbhanj-II	8	53	7.00	100	31	22	53	42425
	Nabarangapur	9	57	9.00	0	34	23	57	40000
	Rayagada	8	59	14.60	20	38	21	59	63623
	Sundargarh-I	9	63	34.00	30	47	16	63	48000
	Sundargarh-II	8	58	12.10	30	39	19	58	43066
	Nicobar	5	31	0.50	100	28	3	31	27000
	Sub-total	77	533	121.81	350	332	201	533	419620



Year	Name of KVK	No. of	No. of	Area covered	Livestock	No. of	benefitted fo	irmers	Cost involved
		OFT	trials	(Acre)	(No.)	Male	Female	Total	(Rs.)
2019-20	Gajapati	9	56	8.00	0	31	25	56	102209
	Kandhamal	9	64	15.00	50	38	26	64	19521
	Malkangiri	9	63	15.00	0	49	14	63	90000
	Mayurbhanj-l	9	59	2.97	0	35	24	59	23537
	Mayurbhanj-II	9	67	8.50	2	45	22	67	34815
	Nabarangapur	9	58	6.00	0	34	24	58	30000
	Rayagada	10	61	20.90	0	45	16	61	112330
	Sundargarh-l	9	68	27.13	0	43	25	68	45000
	Sundargarh-II	9	62	15.80	0	37	25	62	53385
	Nicobar	5	32	0.50	100	21	11	32	45000
	Sub-total	<i>87</i>	590	119.8	152	378	212	590	555797
2020-21	Gajapati	7	62	7.00	20	37	25	62	131738
	Kandhamal	9	55	15.00	50	32	23	55	19122
	Malkangiri	8	49	17.50	0	29	20	49	105000
	Mayurbhanj-l	7	50	0.99	50	26	24	50	37591
	Mayurbhanj-II	8	49	7.50	10	28	21	49	39655
	Nabarangapur	8	52	7.00	0	30	22	52	30000
	Rayagada	8	53	14.80	0	32	21	53	98240
	Sundargarh-I	9	56	23.80	50	34	22	56	40000
	Sundargarh-II	9	57	22.20	200	34	23	57	96162
	Nicobar	4	20	0.50	85	12	8	20	51000
	Sub-total	77	503	116.29	465	294	209	503	648508
2021-22	Gajapati	7	43	7.50	0	23	20	43	76982
	Kandhamal	12	80	10.00	40	47	33	80	18215
	Malkangiri	13	95	32.50	20	59	36	95	175000
	Mayurbhanj-l	10	71	8.71	14	42	29	71	42708
	Mayurbhanj-II	9	67	5.00	210	41	26	67	36289
	Nabarangapur	9	62	6.00	0	39	23	62	45000
	Rayagada	9	61	6.70	0	37	24	61	75625
	Sundargarh-I	9	59	10.00	30	31	28	59	35000
	Sundargarh-II	9	58	17.50	20	31	27	58	3939
	Nicobar	3	19	0.05	100	11	8	19	42500
	Sub-total	90	615	103.96	434	361	254	615	551258
2022-23	Gajapati	6	40	6.00	0	23	17	40	1200
	Kandhamal	10	76	2.00	60	45	31	76	14000
	Malkangiri	9	70	25.20	30	55	15	70	135000
	Mayurbhanj-l	10	72	3.00	686	51	21	72	27316
	Mayurbhanj-II	8	58	8.00	30	42	16	58	21530



Year	Name of KVK	No. of	No. of	Area covered	Livestock	No. of	benefitted fo	Cost involved	
		OFT	trials	(Acre)	(No.)	Male	Female	Total	(Rs.)
	Nabarangapur	10	69	30.00	0	49	20	69	120000
	Rayagada	9	58	24.00	140	41	17	58	98120
	Sundargarh-l	9	58	7.50	28	37	21	58	157000
	Sundargarh-II	9	62	10.80	20	47	15	62	53820
	Nicobar	2	12	2.00	10	7	5	12	49700
	Sub-total	82	<i>575</i>	118.5	1004	397	178	575	677686
	Total		3285	644.84	2825	2042	1243	3285	3162471

#### 5.1.2.2 Details of selected OFTs

The details of selected OFTs recommended for the tribal farmers by the KVKs during the year 2017-18 to 2022-23 have been described briefly as under.

#### **Gajapati KVK**

#### Assessment of performance of different cowpea varieties

A multi-locational trial was conducted by Gajapati KVK at 7 different locations of the district for evaluating YMV resistant variety of cowpea. The problem of low yield due to the infestation was attempted to be addressed through this trial. The results revealed that 'Kashi Kanchan' variety of cowpea registered the highest yield of 61.4 q/ha with a B:C ratio of 4.08. This variety was recommended for the farmers of this tribal district.

Technology option	No.	Yield	l component		Disease/	Yield	Cost of	Gross	Net	B:C
	of trials	No. of YMV affected plant/m²	Pod length (cm)	Test wt. (100 grain wt.)	insect pest incidence (%) (YMV)	(q/ha)	cultivation (Rs./ha)	return (Rs./ ha)	return (Rs./ ha)	ratio
FP: Cultivation of local cowpea variety	7	7.2	18.4	+	80	38.6	8150	19150	11000	2.34
TO-1: Cultivation of cowpea var. 'Utkal Manik'	7	1.5	28.8	-	16	52.5	10700	36750	26050	3.43
TO-2: Cultivation of cowpea var. 'Kashi Kanchan'	7	0	33.2	-	-	61.4	10520	42980	32460	4.08

#### Assessment of performance of various marigold cultivars

To evaluate different marigold cultivars for augmenting the yield, a field level trial was carried out by Gajapati KVK at 7 different locations of the district. The low flower yield of marigold due to cultivation of local cultivar by farmer was identified as a major problem which was tried to be solved though conducting this trial. The results showed that cultivation of *'Seracole'* variety of marigold yielded 13.2 t/ha and recorded a B:C ratio of 3.51. It was recommended that this variety should be cultivated by the farmers.



Technology option	No. of	Yi	eld compon	ent	Yield	Cost of	Gross	Net	B:C
	trials	Plant height (cm)	Flower diameter (cm)	10 flower weight (g)	(t/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Cultivation of local marigold cultivar	7	82	3.1	32	5.6	12000	39200	27200	3.26
TO-1: Cultivation of marigold var. 'Seracole'	7	67.5	3.6	57	13.2	45000	158400	113400	3.51
TO-2: Cultivation of marigold var. 'Pusa Basanti'	7	69.7	3.4	44	12.5	45000	150000	105000	3.33

#### Assessment of different types of power weeder in paddy

Small scale use of farm implements remained an issue of tribal districts in general. It has also been observed that small farm implements have a potential in such districts in easing the cultivation practices of paddy. Keeping this in view, Gajapati KVK undertook a field trial in order to assess the efficacy of various types of power weeder in paddy at 7 different locations of the district. It was evident from the trial that weeding by Hatchet power weeder covered the highest field capacity (0.065 ha/hr) with weeding index of 76 and the highest B:C ratio of 2.03. In the light of the results, the farmers were advised to use Hatchet power weeder for their weeding operation in paddy.

Technology option	No. of	Yield comp			Cost of	Gross	Net	B:C ratio
	trials	Field capacity (ha/hr)	Weeding index (%)	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	
FP: Weeding by Mandava weeder	7	0.023	80	28.5	25675	44175	18500	1.83
TO-1: Weeding by Hatchet power weeder	7	0.065	76	28.2	22710	43710	21000	2.03
TO-2: Weeding by L-type power weeder	7	0.062	69	28.0	22900	43400	20500	2.00







#### Assessment of improved ragi varieties during kharif

Problem of low yield of Ragi due to cultivation of local variety has been a major concern for the ragi growers of the district. Gajapati KVK identified this problem and addressed this by conducting a field trial on assessment of various ragi varieties at 7 different locations. It was found that the highest yield of ragi was obtained (15.26 q/ha) in cultivation of 'Arjuna (OEB-526)' variety with the highest B:C ratio of 2.14. Therefore, this variety of ragi was recommended for the district.



Technology option	No. of	Yie	Yield	Cost of	Gross	Net	B:C		
	trials	No. of effective tillers/hill	No. of fingers per panicle	Test wt. (100 grain wt.)	(q/ha)	cultivation (Rs./ha)	return (Rs./ ha)	return (Rs./ ha)	ratio
FP: cultivation of local variety 'Bada Mandia'	7	4.5	5	0.32	8.6	16560	25800	9240	1.56
TO-1: Cultivation of 'Arjuna' (OEB-526)'	7	11.6	7	0.325	15.26	22786	48821	26037	2.14
TO-2: Cultivation of <i>'Kalua'</i> (OEB-532)'	7	10.6	6.5	0.324	13.94	22300	44617	22317	2.0

#### Assessment of different management approaches for controlling Fall Army Worm in maize

Infestation of Fall Army Worm in maize has been a major concern of the district. In order to address this issue, a trial was undertaken by KVK Gajapati at 7 different locations of the district. Spraying of Azadirachtin and *T. chilonis* was found to be the most effective way of controlling this infestation. By spraying these, the pest infestation was 10.9% (lowest), yield was 52.8 q/ha (highest) and B:C ratio was 2.06. This control measure was recommended for the maize growers of the district.

Technology option	No. of trials	No. of plants affected/ sq.m	Pest infestation (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Spraying with Profenophos	7	4.5	40.9	35.3	40943	56480	15537	1.38
TO-1: Spraying of Azadiractin and <i>T. chilonis</i>	7	1.2	10.9	52.8	40971	84480	43509	2.06
TO-2: Apply Beauveria bassiana	7	2.0	18.2	51.6	40771	82560	41789	2.03

#### Kandhamal KVK

#### Assessment of different integrated nutrient management measures in tomato

Tomato is a very prominent crop of Kandhamal district during *rabi* season. This crop often faces a lower yield due to improper nutrient management during its cultivation. In order to address this issue, a multi-locational trial was started at 5 different locations. The results of the trial showed that the application of 75% STBFR through chemical fertilizers + 25% STBFR through organic sources (FYM and Vermicompost) + bio-inoculation with diazotrophs and PSB i.e. *Azotobacter, Azospirillum* and *PSB* @ 4 kg each per hectare) registered the highest yield of 343.2 q/ha with a B:C ratio of 2.5. Therefore, this management practice was recommended for the tomato growers of the district.

Technology option	No. of	Yield component		Yield	Cost of	Gross	Net	B:C
	trials	No. of fruits per plant	Plant height in cm	(q/ ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: No INM practices; Application of lower rate of organic inputs (FYM-1.5 t/ha) and inadequate fertilizer use (29.5-46-30 kg N-P2O5-K2O)		21.6	67.2	250.4	60300	125200	64900	2.1
TO-1: Soil test based NPK through chemical fertilizers	5	29.7	72.1	300.4	66500	150200	83700	2.3
TO-2: Organic fertilization through FYM and vermicompost (Full dose of Nitrogen will be supplied through FYM and vermicompost in the ratio of 5:1)	5	35.8	74.2	313.5	67400	156750	89350	2.3



Technology option	No. of	Yield comp	Yield component		Cost of	Gross	Net	B:C
	trials	No. of fruits per plant	Plant height in cm	(q/ ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
TO-3: 75% STBFR through chemical fertilizers + 25% STBFR through organic sources (FYM and Vermicompost) + bioinoculation with diazotrophs and PSB i.e. <i>Azotobacter</i> , <i>Azospirillum</i> and <i>PSB</i> @ 4 kg each per hectare)		40.4	78.1	343.2	68900	171600	102700	2.5





#### Evaluation of various integrated nutrient management measures in mustard

Lower yield of mustard due to improper management of nutrients was identified as a major problem. To solve this problem, Kandhamal KVK conducted a field trial at 5 different locations for assessing various INM measures applied to the mustard. It was found that Soil test based NPK application + FYM @ 2 t/ha + Soil application of Zinc Sulphate @ 12.5 kg/ha as basal and two foliar spray of Zinc Sulphate @ 0.2% at two active growth stages + soil application of borax @ 0.5 kg/ha and two foliar spray of borax @ 0.2% at 15 days interval from 30 days after transplanting yielded the highest (7.9 q/ha) with the highest B:C ratio of 1.7 Thus, this management measure was recommended for the mustard growers of the district.

Technology option	No. of	Para	meter	Yield	Cost of	Gross	Net	B:C
	trials	No. of siliqua / plant	siliqua / seeds/	(q/ ha)	cultivation (Rs./ha)	return (Rs./ha)	Income (Rs./ha)	ratio
FP: Application of N:P $_2{\rm O}_5$ :K $_2{\rm O}$ @ 10.5:11.5:0 kg/ ha and no use of micronutrients like boron and zinc	5	189.6	9.6	5.4	15100	21600	6500	1.4
TO-1: Soil test based NPK application + FYM @ 2 t/ha	5	220.5	10.3	6.5	17300	26000	8700	1.5
TO-2: Soil test based NPK application + FYM @ 2 t/ha + Soil application of Zinc Sulphate @ 12.5 kg/ha as basal and two foliar sprays of Zinc Sulphate @ 0.2% at two active growth stages		274.8	10.9	7.2	18000	28800	10800	1.6
TO-3: Soil test based NPK application + FYM @ 2 t/ha+ Soil application of Zinc Sulphate @ 12.5 kg/ha as basal and two foliar spray of Zinc Sulphate @ 0.2% at two active growth stages + soil application of borax @ 0.5 kg/ha and two foliar spray of borax @ 0.2 % at 15 days interval from 30 days after transplanting		294.7	12.1	7.9	18900	31600	12700	1.7











#### Assessment of integrated weed management measures in groundnut

A trial was conducted at 5 different locations of Kandhamal district by KVK for evaluating the performance of various weed control measures on weed density and yield of groundnut. It was evident for the results that post-emergence application of Imazethapyr (10% SL) @ 750ml/ha at 20-30 days after sowing recorded the lowest (2.58 no./m²) weed density and the highest (17.4 q/ha) groundnut yield with B:C ratio of 2.1. This practice was recommended for the groundnut farmers of the district.

Technology option	No. of	Yield co	omponent	Yield	Cost of	Gross	Net	B:C
	trials	No. of pods per plant	Weed density (no./m²)	(q/ ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: No IWM practices; One hand weeding at 20-25 DAS	5	20.2	3.42	13.6	31400	55760	24360	1.8
TO-1: Pre-emergence application of Pendimethalin @ 2.5 lit/ha within 3 days of sowing & one hand weeding at 20 DAS	5	23.4	3.10	14.8	32800	60680	27880	1.9
TO-2: Pre-emergence application of Oxyfluorfen @ 1.0 lit/ha within 3 days after sowing & one hand weeding at 20-25 DAS	5	23.9	2.60	16.2	33100	66420	33320	2.0
TO-3: Post-emergence application of Imazethapyr (10% SL) @ 750ml/ha at 20-30 days after sowing	5	25.6	2.58	17.4	33500	71340	37840	2.1





#### Assessment of effect of application of bio-fertilizers of yield of chilli

Krishi Vigyan Kendra Kandhamal carried out a field trial on chilli at 5 different locations of the district considering the injudicious application of fertilizers by the farmers. The trial involved use of FYM, vermicompost and bio-fertilizers like Azotobacter, Azospirillum and PSB. Results revealed that STBFR + Bio-fertilizer (Azotobacter, Azospirillum and PSB 1:1:1 @ 4



kg each per ha) yielded the highest  $(136.1 \, q/ha)$  with B:C ratio of 4.8. It was recommended that this fertilizer application could be followed by the farmers of the district.

Technology option	No.		Yield co	mponent		Yield	Cost of	Gross	Net	B:C
	of trials	Plant height (cm)	Fruit yield (g) /plant	No. of Fruits/ plant	Fruit diameter (cm)	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Application of 1t FYM /ha and fertilizer application @ 20-20-30 kg $N-P_2O_5K_2O/ha$	5	75.1	163.2	72.4	1.47	94.3	84200	330050	245850	3.9
TO-1: STBFR based N:P <sub>2</sub> O <sub>5</sub> :K <sub>2</sub> O + FYM @ 5 t / ha	5	80.4	179.15	80.6	1.86	112.3	89400	393050	303650	4.4
TO-2: STBFR + Vermi-compost @ 5 t / ha (on-farm production)	5	85.3	186.34	84.3	2.04	129.1	97800	451850	354050	4.6
TO-3: STBFR + Bio-fertilizer (Azotobacter, Azospirillum and PSB 1:1:1 @ 4 kg each per ha)	5	92.8	201.9	97.3	2.22	136.1	99400	476350	376950	4.8





#### Evaluation of boron application in cauliflower

Reduced yield of cauliflower due to injudicious use of fertilizers has been identified as a major concern of the district. To solve this problem, Kandhamal KVK undertook a field trial on assessment of effect of boron application alongwith other fertilizers. It was found that Soil test based NPK application + FYM @ 5 t/ha + boron @ 0.5 t/ha + boron @ 0.5 t/ha + boron @ 0.25% at 15 days interval from 30 days after transplanting resulted into the highest curd weight of 401.5 gm, the highest yield of 203.2 t/ha + boron @ 1.0. This practice was recommended for the farmers of the district.







Technology option	No.	Yield co	mponent	Yield	Cost of	Gross	Net	B:C
	of trials	Plant height (cm)	Single curd weight (gm)	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Application of inappropriate NPK and no application of boron	5	28.3	289.3	143.2	59300	143200	83900	2.4
TO-1: Recommend dose of NPK application i.e. 120:60:60 kg/ha	5	29.5	328.8	162.8	62400	162800	100400	2.6
TO-2: Soil test based NPK application + FYM @ 5 t/ha	5	30.9	359.6	184.2	65300	184200	118900	2.8
TO-3: Soil test based NPK application + FYM @ 5 t/ha+ boron @ 0.5 kg/ha applied at the time of sowing, and two foliar spray of borax @ 0.25% at 15 days interval from 30 days after transplanting	5	32.7	401.5	203.2	67900	203200	135300	3.0





#### Assessment of different processing and packaging methods of tender jackfruit

Jackfruit production in Kandhamal district is an important activity. However, poor price realisation from sale of fresh whole tender jackfruit has been found to be a problem of the district. To solve this problem, a trial was conducted for assessing the performance of various processing and packaging methods of tender jackfruits. It was evident from the trial that surface cleaning/dirt removal by washing, peeling and cutting into pieces. Dipping in 0.5% (w/v) citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in pun net pack or PP pouch with 0.0675% perforation and refrigerated storage at 10°C could improve the keeping quality and the highest B:C ration of 2.0 was obtained. It was concluded that value addition of tender jackfruit gave higher net return and BC ratio over the farmer practice.

Technology option	Sensory parameter (5-point hedonic rating)	Keeping quality (day)	Gross income (Rs./ kg)	Net Income (Rs./kg)	B:C Ratio
FP: Direct selling of whole tender jackfruit	-	-	18	10	1.2
TO-1: Peeling of jackfruit by knife/ paniki cut into pieces and packaging in polythene	4.1	1	30	19.5	1.8
TO-2: Surface cleaning/dirt removal by washing, peeling and cutting into pieces. Dipping in 0.5% (w/v) citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10°C	4.8	5-7	40	27	2.0







## Malkangiri KVK

#### Assessment of bacterial wilt tolerant tomato varieties

Bacterial wilt infestation in tomato is a major problem of the state of Odisha in general and the district of Malkangiri in particular. Some high yielding tomato varieties are available which are believed to be bacterial wilt tolerant. Therefore, a field level trial was carried out by Malkangiri KVK at 7 different locations to address this issue and also to increase the production. The results showed that HYV of tomato var. 'Arka Samrat' recorded the highest yield of 433.9 q/ha with a B:C ratio of 2.6 and it was recommended for the farmers to adopt.

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Cultivation of local variety of tomato	7	285.9	80000	142950	62950	1.7
TO-1: HYV of tomato var. 'Arka Rakshak'	7	404.2	85000	202100	117100	2.4
TO-2: HYV of tomato var. 'Arka Samrat'	7	433.9	85000	216950	131950	2.6







## Assessment of BPH/WBPH tolerant low land rice varieties

Brown Plant Hopper/ White Backed Plant Hopper has been found to be a major pest problem of commonly used rice varieties. They are also known to have resistance to the commonly used insecticides. Keeping this in view, Malkangiri KVK carried out a field trial at 7 different locations for evaluating WPH/ WBPH tolerant rice varieties. The trial revealed that cultivation of paddy variety 'Hasanta' yielded the highest (48.2 q/ha) with a B:C ratio of 2.1. The rice variety 'Hasanta' was recommended for the low land rice cultivation in the district.



Technology option	No. of Yield Cost of cultivation trials (q/ha) (Rs./ha)		Gross return Net return (Rs./ha) (Rs./ha)		B:C ratio	
FP: Cultivation of paddy variety 'Pooja'	7	40.3	38000	70525	32525	1.8
TO-1: Cultivation of paddy variety 'Swarna'	7	44.8	40000	78400	38400	1.9
TO-2: Cultivation of paddy variety 'Hasanta'	7	48.2	40000	84350	44350	2.1







#### Assessment of different finger millet varieties

Lower yield of finger millet due to cultivation of local varieties has been found to be a problem. In order to address this, a multi-locational trial was conducted by KVK Malkangiri at 7 different locations using improved varieties like 'Bhairabi' and 'Arjun (OEB-526)'. The results revealed that cultivation of 'Arjun (OEB-526)' recorded the highest yield of 18.8 q/ha with a B:C ratio of 2.4. This variety was recommended for the district from the trial.

Technology option		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Cultivation of 'Dasraberi' (Local)/ 'Nali Mandia'	7	8.62	18000	24926	6926	1.4
TO-1: Cultivation of 'Bhairabi'	7	15.33	23000	44289	21289	1.9
TO-2: Cultivation of 'Arjun (OEB-526)'	7	18.80	23000	54332	31332	2.4







### Assessment of various stem borer management measures in low land rice var. 'Partiksha'

Incidence of stem borer in low land rice has been a major concern. It resulted in huge yield losses of rice. For addressing this issue, a field trial was carried out by Malkangiri KVK at 7 different locations involving two different management measures of stem borer. The results of the trial showed that spraying of insecticide Rynaxypyr 18.5 SC @ 150 ml/ha or combination insecticide Spinetoram 6% + Methoxyfenozide 30% SC @ 375 ml/ ha at 20, 45 and 65 DAT was found to be the most effective practice for management of stem borer yielding 42.8 q/ha and recording a B:C ratio of 1.9. This practice was recommended for the district's low land rice growing areas.



Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: No/ injudicious application of stem borer management measures in low land rice	7	38.9	40800	71960	31130	1.8
TO-1: Nursery treatment with fipronil 0.3G @ 20 kg/ha followed by soil application of chlorantraniliprole 0.4G @ 10 kg/ha at 30 days after transplanting (DAT)	7	41.5	43200	76775	33550	1.8
TO-2: Spraying of insecticide Rynaxypyr 18.5 SC @ 150 ml/ha or combination insecticide Spinetoram 6% + Methoxyfenozide 30% SC @ 375 ml/ ha at 20, 45 and 65 DAT	7	42.8	43400	83180	35760	1.9







#### Assessment of suitable sowing time for YMV management in green gram

Lower yield of green gram due to incidence of Yellow Mosaic Virus (YMV) has been identified as a problem of Malkangiri district. In order to tackle this problem, a trial was undertaken by Malkangiri KVK at 7 different locations considering the alteration of sowing time. The trial revealed that altering of the date of sowing in  $2^{nd}$  week of December in residual moisture with need-based PP measures resulted into the highest yield of 7.5 q/ha with a B:C ratio of 2.7. Thus, it was recommended for the green gram growers of the district.

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Late sowing (20 <sup>th</sup> of January), no seed treatment, high seed rate, use of 30 kg DAP/ acre	7	5.6	9600	31080	21480	2.1
TO-1: Date of sowing in 1st week of January in residual moisture with need-based PP measures	7	6.2	8700	34410	25710	2.4
TO-2: Date of sowing in 2 <sup>nd</sup> week of December in residual moisture with need-based PP measures	7	7.5	7750	41625	33875	2.7









#### Assessment of performance of rice varieties for rainfed medium land situation

Low yield of rice due to stress condition at tillering and flowering stage under rainfed medium land situation of Malkangiri district has been found to be a problem for most of the rice growers. For addressing this problem, a varietal trial was carried out by Malkangiri KVK at 7 different locations of the district. The results of the trial showed that rice variety 'Kalinga dhan-1203' yielded the highest (52.5 q/ha) with the highest B:C ratio of 1.6. It was recommended that 'Kalinga dhan-1203' rice variety was suitable for the farmers under rainfed medium land situation.

Technology option	No. of						Cost of	Gross	Net	B:C
	trials	Plant height (cm)	No of tillers/hill	Panicle length (cm)	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio	
FP: 'MTU-1001'	7	96.5	6	20.4	40.1	49146	80950	31804	1.4	
TO-1: 'Kalinga dhan-1203'		98.4	8	21.6	52.5	61848	104050	42202	1.6	
TO-2: 'Kalinga dhan-1205'		102.5	6	21.2	49.2	63670	99040	35368	1.5	







## Mayurbhanj-I KVK

#### Assessment of triple disease resistant tomato hybrid 'Arka Rakshak' and 'Arka Samrat'

In paddy-vegetable cropping system under medium and irrigated land situation, low yield of tomato due to incidence of predominant diseases viz. Bacterial wilt, Early blight and ToLCV (tomato leaf curl virus) was identified as a major problem. Use of commonly control measures was found to be inefficacious and also to increase the cost of cultivation considerably. Therefore, Mayurbhanj-I KVK conducted a multi-locational field trial at 13 different locations of the district for evaluating the triple disease resistant varieties of tomato. The results showed that cultivation of Arka Samrat recorded the lowest disease incidence (0%), the highest yield (570 q/ha) with a B:C ratio of 6.1. Thus, this variety of tomato was recommended for the medium land and irrigated situation of the district. Some problem relating to this technology was that seeds were not available in the market. Farmers were willing to adopt these varieties as more than 50% areas affected due to incidence of diseases and their concern was that more no. of disease resistant varieties should be tried in different locations and released.

Technology option		Yield component		Yield	Cost of	Gross	Net	B:C
	trials	Fruit wt. in gm	(%)	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Local variety	13	45	40	160	55000	240000	185000	4.4
TO-1: 'Arka Rakshak'	13	70	0	530	140000	795000	655000	5.7
TO-2: 'Arka Samrat'	13	95	0	570	140000	855000	715000	6.1







#### Assessment of paddy straw mushroom production by using threshed straw

Non-utilization of threshed paddy straw for mushroom production was identified as a concern. In an attempt to address this, a field level trial was conducted by KVK Mayurbhanj-I at 7 different locations involving three different technologies for utilizing the threshed paddy straw for mushroom production. It was evident from the trial that mushroom production by using threshed paddy straw (soaking in water for 6 hr, paddy straw 5 kg, pulse powder 3%) yielded 0.55 kg/bed (lower than FP) but recorded the highest B:C ratio of 2.8. Therefore, it was concluded that mushroom should be produced by using threshed paddy straw and soaking in water for 6 hr, paddy straw 5 kg and pulse powder 3%. Farm women were satisfied with the technology.

Technology option	No. of	Yiel		B:C	
	trials	Pin head appearance (days)	Biological efficiency (%)	Yield (kg/ bed)	ratio
FP: Non-utilization of threshed paddy straw for mushroom production	7	8-10	8.5	0.65	2.0
TO-1: Mushroom production by using threshed paddy straw (soaking in water-7 hr, paddy straw 5 kg, pulse powder 3%)	7	8-10	7.14	0.50	2.5
TO-2: Mushroom production by using threshed paddy straw (soaking in water-6 hr, paddy straw 5 kg, pulse powder 3%)	7	8-10	7.85	0.55	2.8
TO-3: Mushroom production by using threshed paddy straw (soaking in water-5 hr, paddy straw 5 kg, pulse powder 3%)	7	8-10	7.5	0.52	2.6





#### Assessment of application of micronutrients in groundnut in rabi

In the areas of rice-groundnut cropping system of Mayurbhanj district, use of imbalanced fertilizer without micronutrient application in groundnut during rabi season has been found to be a problem. For solving this problem, Mayurbhanj-I KVK undertook a multi-locational field trial at 13 different locations involving balanced use of NPK fertilizers along with micronutrients. Results indicated that application of 20-40-40 kg of nitrogen, phosphorus and potash along with 0.2% each of calcium nitrate, magnesium nitrate and sulphur nitrate gave better result, with the highest yield of 17 q/ha and B:C ratio of 1.7. Thus, the practice was recommended for the ground nut farmers of such areas of the district.

Technology option	No. of trials	Yield component (plant height) (cm)	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Inbalanced use of fertilizer with no micronutrient application	13	14.16	64	10	25000	30000	5000	1.2
TO-1: 20-40-40 kg of nitrogen, phosphorus and potash along with 0.1% each of calcium nitrate, magnesium nitrate and sulphur nitrate	13	21.4	57	14	28000	42000	14000	1.5
TO-2: 20-40-40 kg of nitrogen, phosphorus and potash along with 0.2% each of calcium nitrate, magnesium nitrate and sulphur nitrate	13	27.8	41	17	30000	51000	21000	1.7

# Assessment of growth performance of Amur carp (Cyprinus carpio) under composite fish culture

Slow growth rate of mrigal affects the average yield from composite carp culture. Amur carp is a bottom feeder and can suitably substitute mrigal. It is a genetically improved common carp with a slender body and grows faster than mrigal and is hardy to withstand adverse environmental conditions. With this background, a field trial was carried out at 5 different locations of the district for evaluating the growth performance of Amur carp under composite fish culture. The results showed that by incorporating Amur carp in composite fish culture with stocking ratio Catla:Rohu:Mrigal:Amur carp = 3:4:1:2, better result was obtained with 22.9 q/ha yield and B:C ratio of 2.8. This technology option was recommended for adoption among the farming community. Farmers were very happy with the growth performance of the Amur carp and also the fish species is having good market demand. However, the availability of quality seed of Amur carp was identified as a constraint.

Technology option	No. of	Yield co	mponent	SGR (%)	Yield	B:C ratio
	trials	Survivability (%)	% change in yield		(q/ha)	
FP: C:R:M=3:4:3	5	-	-	-	17.5	1.8
TO-1: C:R:M:Amur carp = 3:4:2:1	5	80	19.42	2.1	20.9	2.6
TO-2: C:R:M:Amur carp = 3:4:2:1	5	85	30.85	2.3	22.9	2.8
TO-3: C:R:Amur carp = 3:4:3	5	84	20.60	2.5	21.6	2.4

## Assessment of integrated nutrient management in papaya

Under irrigated and medium land situation of the Mayurbhanj district, low yield of papaya due to injudicious application of fertilizers was identified as a problem. In order to address this, a field trial was undertaken by KVK Mayurbhanj-I at 7 different locations of the district through integrated nutrient management in papaya. It was found from the trial that the practice of applying 75% of RDF + Straw mulch + Vermicompost (4 t/ha) + Azotobacter (1 kg/ac) + PSB Culture (1 kg in 10-15 It water/ac) gave the highest yield of 378 q/ha with the highest B:C ratio of 3.12. Farmers are willing to adopt above mentioned



technologies and adopting the process of vermicomposting in initial levels. However, the constraint was low availability of vermicompost and azotobacters in local market.

Technology option	No. of	Yi	eld componen	t	Yield	Cost of	Gross	Net	B:C
	trials	Days of flowering	No. of fruits/plant	Fruit wt. (in gm.)	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Injudicious application of NPK fertilizers	7	110	35	145	275	120000	330000	210000	2.75
TO-1: RDF (300:300:300 N:P:K kg/ha) + straw mulch + vermicompost		105	50	255	341	140000	409200	269200	2.92
TO-2: 75% of RDF + straw mulch + Vermicompost (4 t/ha) + Azotobacter (1 kg/ac) + PSB culture (1 kg in 10-15 lt water/ac)	-	100	55	275	378	145000	453600	308600	3.12

#### Assessment of performance of different poultry breeds under backyard system of rearing

Low income from rearing local non-descript poultry birds was found to be a major problem faced by backyard poultry rearers of the district. To overcome this, a breed evaluation multi-locational field trial was carried out at 7 different locations by Mayurbhanj I KVK incorporating 'Aseel' and 'Kadaknath' breed of poultry in backyard system. The farm women were selected for the trial. The results indicated that B:C ratio of Aseel was 4.07 as against 'Kadaknath' (5.11) but ease of marketing and overall acceptability of farm women for 'Aseel' breed of poultry chick was more than that of 'Kadaknath' poultry breed. It can be concluded that farm women can rear 'Aseel' breed of poultry at backyard. Acceptability of 'Aseel' breed was more among farm women due to its easy marketability. Farm women were satisfied with the technology.

Technology option	No.	Yield com	ponent	Cost of	Gross	Net return	B:C
	of trials	Body weight (kg/year)	Eggs (no./ year)	cultivation (Rs./unit)	return (Rs./ unit)	(Rs./unit)	ratio
FP: Rearing of local non-descript poultry birds	7	1.2	54	1645	5490	3845	3.33
TO-1: Backyard rearing of poultry breed 'Aseel'	7	1.8	76	1980	8060	6080	4.07
TO-2: Backyard rearing of poultry breed 'Kadaknath'	7	2.3	92	1980	10120	8140	5.11

# Assessment of performance of different ragi threshing machines for small and marginal farmers

Manual threshing of ragi, usually practised by the farmers of Mayurbhanj-I district, was found to cost intensive and labour-intensive. To overcome this, a field trial was conducted by Mayurbhanj I KVK at 7 different locations of the district for assessing the performance of different threshing machines. The results revealed that threshing by power operated mini ragi thresher cum pearler had the highest threshing capacity of 30.5 kg/h with the highest cost saving of 58.8%. Therefore, threshing by power operated mini ragi thresher cum pearler was recommended for ragi threshing.

Technology option	No. of trials	Threshing capacity (kg/h)	Threshing efficiency (%)	Cleaning efficiency (%)	Cost of threshing (Rs./quintal)	Cost saving in threshing (%)
FP: Manual threshing	7	6.5	85	81	450	-
TO-1: Threshing by paddle operated paddy thresher	7	12.4	73	63	380	15.5
TO-2: Threshing by power operated mini ragi thresher cum pearler	7	30.5	95	93	185	58.8



#### Assessment of bio-fortified rice varieties for nutritional security

Cultivation of bio-fortified rice has been a major concern for ensuring nutritional security of the farm families as well as the consumers. Keeping this in view, a varietal evaluation trial was undertaken by Mayurbhanj-I KVK involving different bio-fortified rice varieties. It was found from the trial that *'CR Dhan 311'* variety of the bio-fortified rice yielded the highest (41.6 q/ha) with the highest B:C ratio of 1.43.

Technology option	Crude protein content (%)	Zinc content (ppm)	Yield (q/ ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: 'Lalat'	7.87	16.3	38.24	54038	74184	20146	1.37
TO-1: 'CR Dhan 315'	8.1	23.8	41.2	56000	79928	23928	1.42
TO-2: 'CR Dhan 311'	10.26	19	41.62	56000	80122	24122	1.43

## Mayurbhanj-II KVK

#### Assessment of planting methods for plant population management in finger millet

Under rainfed upland situation of Mayurbhanj district, broadcasting method of planting resulted in uneven plant stands. Moreover, labour scarcity and high labour requirement in broadcasting was identified as a problem. To solve this, a field trial was undertaken by Mayurbhanj-II KVK at 7 different locations of the district through the intervention of planting methods by seed drills for plant population management in finger millet. The results of the trial revealed that the practice of tractor drawn seed cum fertilizer drill used for line sowing of finger millet gave the highest yield of 15.6 q/ha with the highest B:C ratio of 2.30. Therefore, tractor drawn seed cum fertilizer drill may be used for line sowing of finger millet for more area coverage within the specified season. Farmers appreciated this technology due reduction in labour cost.

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Broadcasting method	7	10.5	28510	34650	6140	1.21
TO-1: Bullock drawn seed cum fertilizer drill, 4 row, capacity-0.1 ha/h, line sowing	7	12.4	31360	40920	9560	1.30
TO-2: Tractor drawn seed cum fertilizer drill, 9 row, capacity-0.35 ha/h, line sowing	7	15.6	22340	51480	19140	2.30







#### Assessment of integrated nutrient management in tomato

Under rainfed medium land situation of the Mayurbhanj district, application of imbalanced dose of fertilizer (more N and less P & K) was identified as a problem. In order to solve this, a field trial was undertaken by KVK Mayurbhanj-II at 5 different locations of the district through undertaking integrated nutrient management in tomato. It was evident from the trial that the practice of applying FYM 5 ton /ha and inoculation of bio-fertilizer @ 4 kg each of *Azotobacter*, *Azospirillum* and *PSB* per ha + 100% STBF reduced the use of chemical fertilizer and gave the highest yield of 324 q/ha with the highest B:C ratio of 2.3. Farmers were willing to adopt above mentioned technology.

Technology option	No. of trials	No. of fruits/ plant	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Imbalanced use of NPK fertilizers	5	32	272	64200	129100	64900	2.0
TO-1: FYM 5 ton/ha and inoculation of bio-fertilizer @ 4 kg each of <i>Azotobacter, Azospirillum</i> and <i>PSB</i> per ha + 75% of soil test-based fertilizer (STBF)		38	293	81100	178500	97400	2.2
TO-2: FYM 5 ton /ha and inoculation of bio-fertilizer @ 4 kg each of <i>Azotobacter</i> , <i>Azospirillum</i> and <i>PSB</i> per ha + 100% STBF	5	43	324	82300	189300	107000	2.3







### Assessment of management of Fall Army Worm in maize

Under rainfed upland situation of the Mayurbhanj district, low yield due to severe Fall Army Worm attack as a sporadic pest was identified as a problem. To control this pest, a field trial was carried out by KVK, Mayurbhanj-II at 7 different locations of the district through various management interventions for controlling Fall Army Worm in maize. The results showed that applying *Beauveria bassiana* @ 400 gm/acre and applying 1.5% Chlorpyrifos dust thickly in the field bund for avoiding migrating from one field to another field gave the highest yield of 35.2 q/ha with the highest B:C ratio of 1.71. Farmers were willing to adopt this technology and adopting the process resulted in increased yield as well as income.

Technology option	No. of trials	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Use of non-specific control measures for the pest	7	10-16	30.3	41390	54540	13150	1.40
TO-1: Applying 5% active ingredient of Azadiractin, release 20000 <i>Trichogramma chilonis</i> parasite at 4-5 days interval in a week interval	7	4-6	33.4	41620	60120	18500	1.58
TO-2: Applying <i>Beauveria bassiana</i> @ 400 gm/acre and Apply 1.5% Chlorpyrifos dust thickly in the field bund for avoiding migrating from one field to another field	7	3-5	35.2	41460	63360	21900	1.71









#### Assessment of performance of different poultry breeds under backyard system of rearing

Under homestead income generation activity of the Mayurbhanj district, backyard poultry farming is most common practice. But low productivity and high mortality of desi birds was identified as a problem. To overcome this, a field trial was undertaken by Mayurbhanj-II KVK at 7 different locations of the district through incorporation of improved poultry breed in backyard condition. Results revealed that the practice of rearing Aseel breed recorded the lowest mortality with the highest B:C ratio of 2.9. Farmers appreciated and were interested to rear this improved poultry 'Aseel' under backyard farming condition.

Technology option	No.	Yie	ld compon	ent	Mortality	Cost of	Gross	Net return	B:C
	of trials	Body Body Egg weight, weight, laying male female (no.)/yr (kg/yr) (kg/yr)		(%)	cultivation (Rs./10 no. poultry bird)	return (Rs./10 no. poultry bird)	(Rs./10 no. poultry bird)	ratio	
FP: Rearing of desi bird (egg laying period- 60-70 days)	7	1.1	0.8	62	45	1800	5781	3981	2.2
TO-1: Backyard rearing of poultry breed 'Aseel' (egg laying period- 120-130 days)	7	2.4	1.5	78	34	4030	15450	11420	2.9
TO-2: Backyard rearing of poultry breed 'Kadaknath' (egg laying period-80-90 days)	7	1.2	1.0	87	39	4050	14540	101190	2.5







## Assessment of high yielding species of oyster mushroom in extreme cold below 20°C

Under homestead situation of the Mayurbhanj district, low yield of oyster mushroom during extreme cold was identified as a problem. In order to address this, a field trial was undertaken by KVK Mayurbhanj-II at 7 different locations of the district through incorporating high yielding species of oyster mushroom in extreme cold below 20°C. It was found from the trial that the cultivation of oyster mushroom species *Hypsizygus ulmarius*, gave the highest yield of 2.7 kg/bed with the highest B:C ratio of 3.75. Farmers are willing to adopt this species as it performs better than other varieties.



Technology option	No.	Yield com	Yield component			Gross	Net	B:C
	of trials	Pinhead head appearance (day)	Biological efficiency (%)	(kg/ bed)	cultivation (Rs./10 bed)	return (Rs./10 no. bed)	return (Rs./10 bed)	ratio
FP: Oyster mushroom cultivation species <i>Pleurotus sajorcaju</i>	7	19	90	1.8	720	1800	1300	2.5
TO-1: Oyster mushroom cultivation species <i>Pleurotus florida</i>	7	20	70	2.1	720	2100	1600	2.9
TO-2: Oyster mushroom cultivation species <i>Hypsizygus ulmarius</i>	7	15	60	2.7	720	2700	2200	3.75







#### Assessment of performance of different ragi threshing machines

Manual threshing of ragi, usually practised by the farmers of Mayurbhanj district, was found to cost-intensive and labour-intensive. To overcome this, a field trial was conducted by Mayurbhanj-I KVK at 7 different locations of the district for assessing the performance of different threshing machines. The results revealed that threshing by 0.5 hp motor operated mini ragi thresher cum pearler had the highest threshing capacity of 32.6 kg/h with the highest cost saving of 70.4%. Therefore, threshing by 0.5 hp motor operated mini ragi thresher-cum-pearler was recommended for ragi threshing.



Technology option	No. of trials	Threshing capacity (kg/h)	Threshing efficiency (%)	Cleaning efficiency (%)	Time saving (%)	Cost of threshing (Rs./kg)	Cost saving in threshing (%)
FP: Manual threshing	7	15.0	69	62	-	10.80	-
TO-1: Threshing by paddle/treadle operated paddy thresher	7	25.5	76	71	55.3	5.30	50.9
TO-2: 0.5 hp motor operated mini ragi thresher-cum-pearler	7	32.6	91	89	65.1	3.20	70.4

## Nabarangpur KVK

## Assessment of herbicide for weed management in transplanted rice

Under rainfed medium land situation of the district, heavy weed infestation is a major cause of low yield of rice. For solving this problem, a multi-locational field trial was undertaken by Nabarangpur KVK at 7 different locations of the district. The results of trial revealed that post-emergence application of Bispyribac Sodium @ 20 g a.i/ ha + Ethoxysulfuron @ 15 g a.i/ ha at 20 DAT reduced weed biomass (23.59 g/m²), increased weed control efficiency (89.76%) and recorded the highest yield of 37.95 q/ha with the highest B:C ratio of 2.60. Therefore, the practice was recommended for the weed control in transplanted rice in the district.



Technology option	No.	Yield co	mponent	Yield	Cost of	Gross	Net	B:C
	of trials	Weed control efficiency (%)	Weed biomass (g m <sup>-2</sup> )	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Pyrazosulfuron ethyl 10% WP (Sathi) @300 g/ha as PE followed by one hand weeding at 30 DAT	7	69.89	46.45	32.25	25000	59660	34660	2.37
TO-1: Post-emergence application of Bispyribac Sodium @ 20 g a.i/ ha + Almix @ 4 g a.i/ ha at 20 DAT	7	87.24	26.85	36.85	27000	68170	41170	2.53
TO-2: Post-emergence application of Bispyribac Sodium @ 20 g a.i/ ha + Ethoxysulfuron @ 15 g a.i/ ha at 20 DAT	7	89.76	23.59	37.95	27000	70200	43200	2.60
				CD (P- 0.05) = 3.896				

#### Assessment of management of Fall Army Worm in maize

Extreme yield loss in maize due to severe Fall Army Worm incidence has been a major concern of the district. To address this, Nabarangpur KVK conducted at field trial at 7 different locations of the district's rainfed upland situation. It was found that application of 5% active ingredient of Azadiractin and release of 20000 *Trichograma chilonis* parasite 4-5 times in a week interval was most effective against Fall Army Worm infestation in maize (24% infested) and yielded the highest (47 q/ha) with the highest B:C ratio of 2.41. Therefore, farmers were advised to use 5% active ingredient of Azadiractin with release of 20000 *Trichograma chilonis* parasite 4-5 times in a week interval for effective control of this infestation.

Technology option	No. of trials	% of pest infestation (no. of insect/plant)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Application of Chloropyriphus, Profenophos @ 2 ml/lit.	7	48 (13)	41	20500	51250	30250	1.98
TO-1: Application of <i>Beauveria bassiana</i> @ 400 g/acre and 1.5% Chloropyriphus dust thickly in the field bund	7	33 (7)	45	20700	53420	32720	2.41
TO-2: Application of 5% active ingradient of Azadiractin and release of 20000 <i>Trichograma chilonis</i> parasite 4-5 times in a week interval	7	24 (4)	47	21000	58750	38250	2.56

### Assessment of rice variety 'Hasanta' for BPH management

Under rainfed medium land condition of Nabarangpur district, the most prevalent maize-rice cropping system faces the problem of BPH incidence in medium duration rice varieties. In order to address this issue, a field trial was carried out by Nabarangpur KVK at 7 different locations of the district. It was evident from the trial that *'Hasanta'* var. recorded highest yield of 41.5 q/ha with the highest B:C ratio of 2.24. It was recommended that BPH tolerant rice variety *'Hasanta'* should be adapted by the farmers in the area.

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Rice var. 'Pratikshya'	7	34.75	38062.50	60812.50	22750	1.87
TO-1: Rice var. 'Pooja'	7	36	38500	63000	24500	1.94
TO-2: Rice var. 'Hasanta'	7	41.5	40425	72625	32200	2.24



#### Evaluation of rice varieties for direct seeded crop in non-puddled soil

In rainfed upland situation of Nabarangpur district, the problem of low yield of direct seeded rice due to scarcity of water and disease pest attack has become a major concern. To solve this, Nabarangpur KVK conducted a field trial at 7 different locations involving some resistant rice varieties. Results showed that the rice variety 'CR Dhan 200 (Pyari)' recorded the highest yield of 36.25 q/ha with the highest B:C ratio of 2.37. Therefore, farmers were advised to adopt the direct seeded rice var. 'CR Dhan 200' for better result.

Technology option	No. of	Yield component		Yield	Cost of	Gross	Net	B:C
	trials	No. of effective tillers/hill	No. of panicles/m²	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Local variety 'Bharati'	7	3	189	25.5	25090	45900	20810	1.83
TO-1: 'CR Dhan 200 (Pyari)'	7	9	245	36.25	27500	65250	37750	2.37
TO-2: 'CR Dhan 202'	7	6	215	31.45	27000	56610	29610	2.09

#### Assessment of herbicide for better weed management in maize

Under rainfed medium land situation of Nabarangpur district, low yield of maize due to heavy weed infestation has been a problem of maize growers. For addressing this, Nabarangpur KVK carried out a field trial at 7 different locations involving various weed control measures. It was found that pre-emergence application of Atrazine @  $1.5 \, \text{kg/ha} + \text{Tembotrione}$  (Laudis)  $120 \, \text{g/ha}$  at  $25 \, \text{DAS}$  showed the best results with  $56.25 \, \text{g/ha}$  yield and  $2.08 \, \text{B:C}$  ratio. Farmers were advised to adopt the weed management practice of pre-emergence application of Atrazine @  $1.5 \, \text{kg/ha} + \text{Tembotrione}$  (Laudis)  $120 \, \text{g/ha}$  at  $25 \, \text{DAS}$ .

Technology option	No.	Yield com	ponent	Yield	Cost of	Gross	Net	B:C
	of trials	Weed biomass (g/m²) at 40 DAS	Weed control efficiency (%)	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Manual weeding, improper herbicide application	7	319.5	72	46.75	38000	70125	32125	1.84
TO-1: Pre-emergence application of Atrazine @ 1.5 kg/ha at 1-3 DAS	7	285	79	48.45	40000	72675	32675	1.81
TO-2:Pre-emergence application of Atrazine @ 1.5 kg/ha + Tembotrione (Laudis) 120 g/ha at 25 DAS		155	89	56.25	40500	84375	43875	2.08

### Assessment of finger millet varieties

Low yield of finger millet due to cultivation of the local variety ('Nali Mandia') has been a problem for the farmers of the district. In an attempt to overcome this problem, a varietal evaluation trial was undertaken by Nabarangpur KVK involving improved finger millet varieties. The results revealed that Finger millet variety 'Arjun (OEB 526)' was superior in yield (13.5 q/ha) with the highest B:C ratio of 2.45. It was recommended that finger millet var. 'Arjun (OEB 526)' was the





best suited for rainfed area of Nabarangpur district due to its resistance to drought, neck blast, finger blast and higher yield potential than existing variety. This 'Arjun' variety of finger millet was incorporated in OMM (Odisha Millet Mission).



Technology option	No. of trials	Yield (q/ha)	% change in yield	No. of effective tillers/hill	No. of finger/ear	Finger length (cm)	Ear wt.(g)	Net income (Rs./ha)	B:C Ratio
FP: Local ragi (Nali Mandia)	7	7.5	-	2.17	3.08	5.05	4.50	13000	1.76
TO-1: Finger millet var. 'Arjun (OEB 526)'	7	13.5	80	4.25	5.46	8.10	7.79	32000	2.45
TO-2: Finger millet var. 'Kalua (OEB 532)'	7	11.15	53.33	3.55	5.08	7.10	5.45	24600	2.23
		CD (P- 0.05) 2.308							







## Rayagada KVK

### Assessment of drought tolerant paddy variety in rainfed upland situation

Under rain-fed upland situation of the Rayagada district, low yield of paddy variety was identified as a problem. In order to address this, a field trial was undertaken by Rayagada KVK at 7 different locations of the district. It was found from the trial that the 'Sahabhagi Dhan' gave the highest yield of 26.8 q/ha with the highest B:C





ratio of 1.61. Farmers were willing to adopt this variety in future for upland situation.

Technology option	No.		Parameter		Yield	Cost of	Gross	Net	B:C
	of trials	No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)	(q/ha)	cultivation (Rs./ha)	return (Rs./ ha)	return (Rs./ ha)	ratio
FP: Cultivation of existing cultivar <i>'Khandagiri'</i>	7	6.7	121	2.12	18.6	21000	28800	7340	1.37
TO-1: Paddy Var. <i>'Sahabhagi Dhan'</i> duration - 100 - 105 days with soil test-based fertilizer application	7	8.3	139	2.31	26.8	25570	41200	15630	1.61
TO-2: Paddy var. <i>'Jyotirmayee'</i> , duration - 95 - 100 days with soil test- based fertilizer application	7	7.5	128	2.19	23.7	23500	36735	13235	1.56



## Assessment of medium duration rice varieties for tolerance to BPH

Under rain-fed medium land situation of the Rayagada district, low yield due to more infestation of BPH/ WBPH was identified as a problem. To solve this problem, a field trial was undertaken by KVK Rayagada at 7 different locations of the district. It was found from the trial that there was no incidence of BPH in 'Hasant' and recorded 17 % higher yield with B:C ratio 1.71 than var. 'Pooja'.



Technology option	No.		Parameter		Yield	Cost of	Gross	Net	B:C
	of trials	No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)	(q/ha)	cultivation (Rs./ha)	return (Rs./ ha)	return (Rs./ ha)	ratio
FP: Cultivation of rice var. 'Pooja'	7	8	134	2.34	46.8	57000	81900	24900	1.43
TO-1: 'Pratikshya'-The plant grows up to 110 cm tall and the average yield 5-5.5 tonnes per ha	7	11	156	2.41	48.3	57000	84525	27525	1.48
TO-2: 'Hasant' -Small bold grains, white kernel, straw colour hull, moderately resistance to leaf folder, leaf blast, sheath blight & bacterial leaf blast, av. yield-5.5 tonnes/ha, duration- 145 days	7	12	169	2.49	54.7	56000	95725	39725	1. <i>7</i> 1







### Assessment of Fall Army worm Management in maize

Under rain-fed upland land situation of the Rayagada district, low yield of maize due to infestation of Fall army worm was identified as a problem. In order to overcome this, a field trial was undertaken by KVK Rayagada at 7 different locations of the district. The results of the trial showed that the application of 0.15% active ingredient of Azadiractin/ 1500 ppm @ 3.0 ml/ It of water, with release 20000 *Trichogramma* parasite at 4-5 days interval in a week, application of *Beauveria bassiana* @ 400 gm/acre, Chloropyriphus 50% EC + Cypermethrin 5% EC @ 400 ml/acre during evening hour gave the highest yield of 53.6 q/ha with the highest B:C ratio of 2.02. Farmers are willing to adopt above mentioned technology.





Technology option	No. of	Parai	meter	Yield	Cost of	Gross	Net	B:C
	trials	No. of larvae of FAW/m²	No. of damaged fruits/m²	(q/ ha)	cultivation (Rs./ha)	return (Rs./ ha)	return (Rs./ha)	ratio
FP: Spraying of Chlorpyrifos @ 4 ml/lt.	7	3	4	41.3	43800	72688	28888	1.66
TO-1: Application of 0.15% active ingredient of Azadiractin/ 1500 ppm @ 3.0 ml/lt of water, release of 20000 <i>Trichogramma</i> parasite at 4-5 days interval in a week, application of <i>Beauveria bassiana</i> @ 400 gm/acre, Profenophos @ 400 ml/acre	7	1.5	1.4	46.7	46000	82192	36192	1.79
TO-2: Application of 0.15% active ingredient of Azadiractin/ 1500 ppm @ 3.0 ml/lt of water, with release 20000 <i>Trichogramma</i> parasite at 4-5 days interval in a week, application of <i>Beauveria bassiana</i> @ 400 gm/acre, Chloropyriphus 50% EC + Cypermethrin 5% EC @ 400 ml/acre during evening hour	7	1.3	1.2	53.6	46600	94336	47736	2.02







### Assessment of triple resistant tomato hybrids 'Arka Rakshak' and 'Arka Samrat'

Under irrigated upland situation of the Rayagada district, loss in yield of tomato due to incidence of predominant diseases viz. bacterial wilt, early blight and ToLCV (tomato leaf curl virus) was identified as a problem. In order to solve this, a field trial was undertaken by Rayagada KVK at 7 different locations of the district. It was found from the trial that the 'Arka Rakshak' is high yielding triple disease resistant F1 hybrid, gives 33.7% higher yield with reduction in use of pesticides and fungicides due to its triple disease resistance to important diseases with the highest B:C ratio of 2.53. Farmers are willing to grow this variety in future for irrigated upland situation.



Technology option	No.	Parameter		Yield	Cost of	Gross	Net	B:C
	of trials	No. of branches/ plant	Fruits/ plant	(q/ha)	cultivation (Rs./ha)	return (Rs./ha)	return (Rs./ha)	ratio
FP: Tomato var. 'Laxmi'	7	6.7	25.7	308.0	79500	147500	68000	1.85
TO-1: Tomato var. 'Arka Samrat' - High yielding F1 hybrid with triple disease resistant to ToL CV, bacterial wilt and early blight	7	10	33	410.5	123500	302500	179000	2.45
TO-2: Tomato 'Arka Rakshak' - High yielding F1 hybrid with triple disease resistant to ToL CV, bacterial wilt and early blight		9.5	34.3	412	119500	302000	182500	2.53



#### Assessment of IPM for pod borer in pigeon pea

Under rainfed upland situation of the Rayagada district, low yield of pigeon pea due to pod borer infestation was identified as a problem. In order to address this, a field trial was undertaken by Rayagada KVK at 7 different locations of the district. Results showed that maize as border crop, pheromone traps & helilure @20 nos./ha, spraying of Azadiractin 0.15% @ 1.5 l/ ha at 50% flowering followed by Flubendiamide 48 SC @ 200 ml/ha (2ml/5 lt water) at pod formation stage and Bt @ 1 kg/ ha (2g/lt) at 15 days intervals recorded less infestation of pod borer and 33.33 % more yield with the highest B:C ratio of 2.97. Farmers are willing to adopt this technology for pod borer management.







Technology option	No.	Para	meter	Yield	Cost of	Gross	Net	B:C
	of trials	No. of adult male moth/ trap	Pest infestation (%)	(q/ha)	cultivation (Rs./ha)	return (Rs./ ha)	return (Rs./ ha)	ratio
FP: Spraying of Profenophos @ 2ml/lt. of water	7	-	32	12.3	32750	77490	44740	2.36
TO-1: Maize as border crop, pheromone traps & helilure @ 20 nos./ha, spraying of HaNPV @ 250LE/ha, Emamectin benzoate 5% SG @ 200 g/ha + Azadirachtin 0.15% @ 1.5 l/ha alternately and release of <i>T. chilonis</i> @ 50000/ha at 7 days after spaying of insecticide/pod formation stage	7	13	13.5	15.6	34300	98280	63980	2.86
TO-2: Maize as border crop, pheromone traps & helilure @20 nos./ha, Spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% flowering followed by Flubendiamide 48 SC @ 200 ml/ha (2 ml/5 lt water) at pod formation stage and Bt @ 1 kg/ha (2g/lt) at 15 days intervals	7	8	7.8	16.4	34800	103320	68520	2.97







## Assessment of different sucking pest management measures in chilli

Low yield of chilli due to sucking pest attack has been a major concern for the farmers of Rayagada district. To address this issue, Rayagada KVK carried out a multi-locational field trial involving various measures of sucking pest control. It was found from the trial that seed treatment with Imidachloprid 600 FS @ 5 ml /kg seed and foliar spraying of Spiromesifen 22.9% SC @ 0.8 ml/l of water twice at 30 and 45 DAT significantly reduced the incidence of sucking pest complex (thrips and mite) in chilli with 29.5% more yield recorded as compared to farmers' practice. This technology resulted into the highest yield of chilli (116.2 q/ha) with the highest B:C ratio of 3.62. Therefore, this practice can be recommended for the chilli growers of the district.



Technology option	No. of trials	Yield (q/ha)	Total cost (Rs./ha)	Gross income (Rs./ha)	Net income (Rs./ha)	B:C ratio
FP: Spraying of Diamethoate @ 2ml/lt.	8	89.75	112000	314125	202125	2.8
TO-1: Foliar spray of Spiromesifen 22.9% SC @ 400 ml/ha effectively lowered incidence of pests, with least reduction in population of beneficial insects and increase yield	8	112.5	112000	393750	281750	3.52
TO-2: Seed treatment with Imidachloprid 600 FS @ 5ml/kg seed and foliar spraying of Spiromesifen 22.9% SC @ 0.8 ml/lt of water twice at 30 and 45 DAT		116.2	112500	406875	294375	3.62





## Sundargarh-I KVK

### Assessment of herbicide in transplanted rice

One of the major challenges in transplanted rice cultivation is reduced yield due to high weed infestation. In Sundargarh district, farmers typically resort to two rounds of hand weeding at 21 and 45 days after transplanting to manage weeds in rice fields. However, this method is extremely time-consuming, labour-intensive and expensive, especially considering the high labour wages and shortage of labourers in the region. In light of these challenges, Sundargarh-I KVK conducted a field trial at seven different locations within the district. Among the various treatment combinations tested, weed management using Londax power at a rate of 10 kg per hectare applied 3-7 days after transplanting showed superior weed control, resulting in a higher net return of Rs. 32925/- and a favorable B:C ratio of 1.95. Farmers in the region were eager to adopt this technology to increase their yields and net income.



Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Two hand weeding at 21 & 45 days	7	36.5	36000	56575	20450	1.58
TO-1: Application of Bispyribac Sodium @ 25 g a.i/ha after 20 - 25 DAS	7	38.8	33600	60140	26540	1.78
TO-2: Application of Londax power @ 10 kg granule /ha 3-7 DAT	7	43.5	34500	67425	32925	1.95











#### Assessment of herbicide performance in weed control in black gram

High weed infestation leading to reduced yield is a significant issue in black gram cultivation. In Sundargarh district, farmers typically resort to 3-4 rounds of manual weeding to manage weeds in black gram fields. However, this approach is highly time-consuming, labour-intensive and expensive, particularly in the context of high labour wages and a shortage of workers. To address these challenges, Sundargarah-I KVK conducted a field trial at seven different locations within the district. Among the various treatment combinations tested, weed management using the postemergence herbicide Imazthapyr 10% SL at 20 to 22 days after sowing, applied at a



rate of 250 ml per acre, demonstrated superior weed control. This resulted in a higher net return of Rs. 28800/- with a B:C ratio of 2.21.

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: 3-4 hand weeding	7	4.6	23800	32200	8400	1.35
TO-1: Application of pre-emergence herbicide pendimethaline @ 1 lt per acre followed by one hand weeding	7	6.8	22750	47600	24850	2.10
TO-2: Application of post-emergence herbicide Imazthapyr 10% SL at 20 to 22 DAS @ 250 ml per acre	7	7.5	23700	52500	28800	2.21







## Assessment of performance of different ragi varieties

Sundargarh district possesses significant potential for millet cultivation, particularly ragi achieving 3983 ha in 2019-20. Currently, farmers predominantly cultivate the 110-day local variety known as 'Jaguli'. However, this variety yields relatively low compared to recently developed ragi varieties. Recognizing this disparity, Sundargarh-I KVK initiated a comprehensive field trial across seven different locations within the district. Among the various varieties tested, 'Arjuna' emerged as the top performer, yielding an impressive 7.9 quintals per hectare with a commendable B:C ratio of 2.5. Notably, these results were observed under upland rainfed conditions. The farmers' response to the trial results was overwhelmingly positive, as they were delighted to witness the superior performance of the tested varieties compared to the local 'Jaguli' variety. Consequently, there is a strong eagerness among farmers in the region to adopt this technology, anticipating increased yields and improved net income.









Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Local available var. 'Jaguli' (110 day)	7	5.6	10000	17920	7920	1.72
TO-1: Line transplanting of 'Arjuna' with RDF 60:30:30 (105-110 days duration, yield potential 2.6 t/ha, moderately resistant to leaf neck and finger blast disease)	7	8.6	10500	27520	17020	2.62
TO-2: Line transplanting of <i>'Bhairabi'</i> with RDF 60:30:30 (100-108 days duration, yield potential 1.6 to 2.0 t/ha, 8.1% protein, moderately resistant to leaf, neck, finger, sheath blast)		7.9	10500	26500	16000	2.52

#### Assessment of suitable varieties of tomato for long-term keeping quality

The diminished keeping quality of cultivated varieties stands as a primary catalyst for distress sales in Sundargarh district, causing farmers to receive lower prices for their produce. Farmers are cultivating hybrid variety, 'Laxmi' and have bumper yield but have low keeping quality. To counteract this challenge, a strategic approach involving the cultivation of varieties with their higher keeping quality was implemented. For this, Sundargarh–I KVK took the initiative to conduct an extensive field trial spanning seven different locations within the district, focusing on varieties (F1 hybrid 'Arka Rakshak' and F1 hybrid 'Arka Samrat') with enhanced skin thickness. In the rigorous testing, the F1 hybrid Arka Rakshak emerged as a standout performer, exhibiting an impressive medium to large size (80-100 g), deep red, very firm with good keeping quality (11.1days) as long transportability, suitable for both fresh market and processing. Suitable for summer, kharif and rabi seasons compared to other varieties. This translated into a significantly higher net return of Rs. 317900/-, accompanied by a commendable B:C ratio of 3.23. The positive outcomes of this trial met with enthusiasm among farmers, who were pleased to witness the superior performance of the tested varieties in comparison to their conventional practices. As a result of the promising trial results, there was a palpable eagerness among farmers in the region to adopt this technology. The anticipation was centered on the expectation of increased yields and improved net income, further solidifying the potential positive impact of adopting varieties with enhanced keeping quality on the agricultural landscape in Sundargarh district.

Technology option	No. of trials	Keeping period (days)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: F1 hybrid var. 'Laxmi'	7	2.5	135250	360000	224850	2.66
TO-1: F1 hybrid var. 'Arka Rakshak'	7	11.1	142500	460400	317900	3.23
TO-2: F1 hybrid var. 'Arka Samrat'	7	7.4	142500	420300	277800	2.95









# Assessment on different methods of pasteurization of straw for controlling of Inkcaps in paddy straw mushroom bed

In Sundargarh district, paddy straw mushroom is a remunerative enterprise for farming community. Due to lack of knowledge

on pasteurization of substrate for controlling competitive mould, the yield of paddy straw mushroom per bed is declined. It mainly happens due to the development of competitive mould i.e. Inkcaps. In order to address this, a field trial was undertaken by Sundargarh-I KVK at 7 different locations of the district. Pre-soaking of substrate in 2% calcium carbonate for six hrs gives best results among all the treatment combinations with highest biological efficiency (12.2%), an average yield of 856 g per bed with less infestation of Inkcaps/Copernicus (4%) with the highest B:C ratio of 1.80. Farmers are willing to adopt the above-mentioned technology for getting higher yield and net income. Most of mushroom growers are highly appreciating and adopting the technology.



Technology option	No. of trials	Intensity of Inkcaps / Copernicus %	Yield (g/bed)	Biological efficiency	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	B:C ratio
FP: Volvariella volvacea	7	33.01	465	6.6	85	93.0	8.0	1.09
TO1: Pre-soaking of substrate in 0.2% bleaching powder for 6 hrs	7	11.30	681	9.7	95	136.2	41.2	1.43
TO2: Pre-soaking of substrate in 0.2% calcium carbonate for 6 hrs	7	4.0	856	12.2	95	171.2	76.2	1.80







## Sundargarh-II KVK

## Assessment of kharif onion varieties in Sundargarh upland situation

In rainfed upland situation of Sundargarh district, cultivation of onion during *kharif* season is an important practice. But, low yield of onion due to use of local variety has been a major concern of the district. To overcome the situation, a multi-locational field trial was conducted by Sundargarh-II KVK at 7 different locations of the district incorporating different improved varieties for *kharif* onion production. The results of the trial showed that the onion var. 'L-883' recorded the highest yield of 188 q/ha with the highest B:C ratio of 2.54. Therefore, it was cleared that both the improved varieties performed better than the local available variety. Farmers appreciated 'L-883' as it matured 10-15 days earlier than other two varieties.



Technology option	No. of	Yield Con	nponent	Yield			Net	B:C	
	trials	Wt. of the bulb (gm)	Duration (days)	(q/ha)	(Rs./ha)	income (Rs./ha)	income (Rs./ha)	ratio	
FP: Use of Local var. 'N-53'	7	50	160	154	106500	231000	124500	2.16	
TO-1: Use of <i>kharif</i> onion var. 'Agri Found Dark Red'	7	57	145	177	111000	265550	154550	2.39	
TO-2: Use of kharif onion var. 'L-883'	7	60	135	188	111000	282200	171200	2.54	







#### Assessment of rice varieties for tolerance of BPH and WBPH

Under rainfed medium land situation, cultivation of rice is common in Sundargarh district. But, due to attack of BPH and WBPH, low yield of medium land rice is a major problem. In order to solve this, a field trial on varietal evaluation was undertaken by Sundargarh-II KVK at 6 different locations of the district. It was evident from the results that cultivation of 'Hasanta' variety of rice yielded the highest (45 q/ha) and recorded the least disease/ pest incidence of 3% with the highest B:C ratio of 1.68. Therefore, the variety was recommended for the district's rice growers.

Technology option	No. of trials	Disease pest incidence (%)	Yield (q/ha)	Total cost (Rs./ha)	Gross income (Rs./ha)	Net income (Rs./ha)	B:C ratio
FP: Cultivation of 'Pooja' variety	6	8	42.5	36700	59500	22800	1.62
TO-1: Cultivation of 'Pratiksha' variety	6	5	43.8	37000	61300	24320	1.65
TO-2: Cultivation of 'Hasanta' variety	6	3	45	37500	63000	25500	1.68







#### Assessment of herbicides for weed management in transplanted rice

Transplanted rice is a major cultural practice of Sundargarh district. Emergence of weeds in transplanted was identified as a problem. To come out with an effective weed control measure, a field trial was taken up by Sundargarh-II KVK at 10 different locations of the district. The results revealed that application of Pendimethalin @ 750 g a.i./ha as pre-emergence followed by Bispyribac sodium @ 25 g a.i./ha as post-emergence (25 DAT) recorded the highest yield of 42.9 q/ha with the highest B:C ratio of 1.70. The recommendation of the trial was that application of Pendimethalin @ 750 g a.i./ha as pre-emergence followed by Bispyribac sodium @ 25 g a.i./ha as post-emergence (25 DAT) could be used as the most effective weed control measure in the district.

Technology option	No. of	Yield Co	mponent	Yield	Total	Gross	Net	B:C
	trials	Weed density (per sq. mt.)	Disease pest incidence (%)	(q/ha)	cost (Rs./ha)	income (Rs./ha)	income (Rs./ha)	ratio
FP: Manual weeding	10	51	15	37.2	35800	55800	20000	1.56
TO-1: Pre-emergence application of Pretilachlor @ 750 g a.i./ha	10	32	12	40.1	36700	60150	23450	1.64
TO-2: Application of pendimethalin @ 750 g a.i./ha as pre-emergence followed by Bispyribac sodium @ 25 g a.i./ha as post-emergence (25 DAT)	10	21	10	42.9	38900	64650	25750	1.7





## Assessment of nutrient management for Blossom End Rot (BER) in tomato

Low yield of tomato due to BER has been a major concern for the tomato growers of Sundargarh district. In order to manage the situation, nutritional intervention was taken up by Sundargarh-II KVK at 7 different locations of the district. It was evident from the trial that the foliar application of calcium 5% @ 1-2 Tbsp/4.5It water performed the best with the yield of 326 q/ha and B:C ratio of 2.70. It was concluded that foliar application of calcium 5% @ 1-2 Tbsp/4.5It water can be the most effective way to combat the BER in tomato.

Technology option	No. of trials	No. of infested fruits per sq. mt.	Yield (q/ha)	Total cost (Rs./ha)	Gross income (Rs./ha)	Net income (Rs./ha)	B:C ratio
FP: Lack of nutrient management practices leads to BER	7	0.6	295	92800	177000	84200	1.90
TO-1: Foliar application of calcium 5% @ 1-2 Tbsp/4.5lt water	7	0.1	326	96600	260800	163400	2.7
TO-2: Use of Arka vegetable micronutrient formulation as spray after flowering @ 10-20 g/lt	7	0.2	322	98200	193200	95000	1.96







# Assessment on suitable cold tolerant varieties of oyster mushroom during low temperature condition

Under homestead situation of the Sundargarh district, low yield of oyster mushroom during extreme cold was identified as a problem. To overcome this situation, a field trial was undertaken by Sundargarh-II KVK at 5 different locations of the district through incorporating high yielding species of oyster mushroom in extreme cold below 20°C. It was evident from the trial that the cultivation of oyster Mushroom species *Hypsizygus ulmarius*, gave the highest yield of 2.4 kg/bed with the highest B:C ratio of 3.27. Farmers were willing to adopt this species as it performs better than other varieties and and it was very good for processing (drying and powder).

Technology option	No.	Yield Cor	mponent	Yield	Total	Gross	Net	B:C
	of trials	Avg. wt. of buttons (gm.)	No. of days for pin head appearance	kg/ bed	cost (Rs./ha)	income (Rs./ha)	income (Rs./ha)	ratio
FP: Cultivation of oyster mushroom var. <i>P. sajorcaju</i>	5	42	12	1.4	5800	1,1200	7800	1.93
TO-1: Cultivation of oyster mushroom var. <i>P. florida</i>	5	27	13	2.0	5800	16000	11500	2.75
TO-2: Cultivation of oyster mushroom var. <i>Hypsizygus ulmarius</i>	5	30	13	2.4	5800	19000	14500	3.27







## Assessment on integrated management of panicle mite in rice

Failure to diagnose the pest due to appearance of symptoms during grain filling stages of rice has been identified as a problem. It led to lower yield of rice in Sundargarh district. Taking up the issue, Sundargarh-II KVK undertook a field trial at 6 different locations involving various measures to control the panicle mite in rice. The results revealed that foliar spraying of diafenthiuron 50 WP @ 2 gm/lt at PI stage was the best management measure yielding the highest (42 q/ha) with the highest B:C ratio of 1.68. So, the practice was recommended for the district's rice growers.



Technology option	No. of trials	No of infected panicle/hill	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	B:C ratio
FP: Spraying of carbendazim 50 WP @ 1kg/ha	6	11.2	35	35000	52500	17500	1.50
TO-1: Seed treatment with imidacloprid 70% WS @ 7 g/kg seeds, installation of YST @ 20/ha and need based spraying of acetamiprid 20 SP @ 250 gm/ha at seven days interval	6	4.3	39.5	38000	59250	21250	1.55
TO-2: Foliar spraying of diafenthiuron 50 WP @ 2 g/lt at PI stage	6	2.5	42	37500	63000	25500	1.68





#### **Nicobar KVK**

#### Effect of decomposers on soil properties and yield of coconut

Under coconut based traditional farming system of Car Nicobar district, a decreasing trend of coconut yield due to senile palms and nutrient deficiency of soil has been identified as a major problem. In order to solve this problem, Nicobar KVK took up a field trial involving use of decomposers for amending soil properties and increasing coconut yield. The result revealed that average coconut yield under different treatments viz. FP, TO-1 and TO-2 were 22.34, 28.25 and 32.50 nuts/palm/annum, respectively along with enrichment of soil properties. It can be concluded from the study that use of waste decomposer preand post-monsoon may increase the yield of coconut in the existing plantation at Car Nicobar.

Technology option	Available nutrients in kg/ha before use of decomposer				e of	Ava	ilable ni use d		s in kg/l mposer		ter	Coconut yield (nuts/	
	рН	EC	ос	N	P	K	рН	EC	ос	N	P	K	palm/year)
FP: Traditional farming (no management)	8.14	102.8	0.2	127.9	6.4	72	8.15	272.7	0.2	130.5	6.9	80	22.34
TO-1: Use of decomposer pre & post monsoon (100 ml/ 5 lt water/palm)	8.13	108.4	0.8	126.7	4.2	81	8.12	157.8	0.8	133.0	4.8	67	28.25
TO-2: External application of enriched compost/CIAR bio-consortia (1 kg effective microbes/100 kg compost)	8.22	115.6	0.2	123.0	4.9	76	8.20	128.4	0.6	131.0	5.7	89	32.50







Effect of organic manures on growth and yield of Nicobari Aloo (Diascoraea) at Car Nicobar

Nicobari Aloo is the main tuber crop of Nicobar. Nicobari Aloos are cultivated in traditional way without any nutrient and other management. The soil (sandy loam) is also deficient in many nutrients. The subsequent cultivation in same field leads to decreasing trend yield. Hence, Nicobarese practice shift cultivation year after year for their Nicobari Aloo production and return to the same site after five years. This leads to requirement of more labour and more area. Hence, to utilize every piece of land with maximum productivity year after year nutrient management of soil through organic inputs is called for. With this background, Nicobar KVK undertook a field trial at 5 different locations using organic manure for increasing yield. The result showed that the application of poultry manure yielded the highest maximum Nicobari Aloo from given unit area (400 m²) followed by waste decomposer, bio-zyme and farmers practice in the tune of 890.80 kg, 812.00 kg, 756.00 kg and 351.25 kg, respectively while the recpective B:C ratio were found to be 5.09, 4.99, 5.04 and 3.51. It was concluded from the trial that applying poultry manure @ 6 t/ha increased the yield of Nicobari Aloo under field conditions.

Technology option	Yield (kg/400 m²)	Yield (q/ ha)	Gross cost (Rs.)	Gross income (Rs.)	B:C ratio
FP: Traditional farming (digging, sowing and harvesting)	351.25	80.0	4000	14050	3.51
To-1: Application of waste decomposer (20 ml/lit. of water)	812.00	180.0	6500	32480	4.99
To-2: Application of bio-zyme (10 kg/acre) at sowing time	756.00	170.0	6000	30240	5.04
To-3: Application of poultry manure (@ 6t/ha)	890.80	200.0	7000	35632	5.09







#### Evaluation of supplementation of minerals and vitamins in enhancing growth of Teressa Goats

The Nicobarese rear goats in traditional way with minimal management practice and nutritional supplementation. This may be affecting overall body weight gain in field conditions compared to farm conditions. Considering this as a problem of goat production of Car Nicobar, a field level trial was conducted by Nicobar KVK to evaluate the performance of Teressa goats fed with minerals and vitamins supplementation. It was evident from the trial that supplementation of vitamin (B complex) and mineral mixture improved the body weight of Teressa goats at farmer's field. The average body weight at six months of age in different treatment groups viz. FP, TO-1, TO-2 and TO-3 were in the tune of 12.06 kg, 14.34 kg, 14.29 kg and 15.01 kg, respectively. The average net income from above treatment groups were in the tune of Rs. 2124/-, Rs.2936/-, Rs. 2966/- and Rs. 3154/-, respectively with the B:C ratio of 1.76, 2.05, 2.08 and 2.11, respectively. It was concluded that the combined supplementation of vitamin (B complex) and mineral mixture had a positive effect on body weight gain in Teressa goats and ultimately led to the higher returns.

Technology option	Average bwt. at 3 months (kg)	Average bwt. at 6 months (kg)	Average gross cost (Rs.)	Average gross income (Rs.)	Average net income (Rs.)	B:C ratio
FP: Traditional farming (No supplementation)	7.36	12.06	2700	4824	2124	1.79
TO-1: FP + 5g/d min. mix. for 3 months	7.31	14.34	2800	5736	2936	2.05
TO-2: FP + 10 ml/d vitamins (B complex) for 3 months	7.18	14.29	2750	5716	2966	2.08
TO-3: FP + 5 g/d min. mix. & 10 ml/d vitamins (B complex) for 3 months	7.40	15.01	2850	6004	3154	2.11





## Evaluation of different indigenous poultry birds under backyard condition at Nicobar

The Nicobarese rear poultry birds under backyard condition with minimum management practice. This leads to lower marketability of the birds. Hence evaluation of different poultry for their suitability in Nicobar condition is a must. Keeping this in view, Nicobar KVK carried out a field trial to evaluate different poultry birds under backyard farming system. The result revealed that the average body weight of adult desi birds, 'Nicobari Fowl' and 'Naked Neck' were in the tune of 1.71 kg, 1.59 kg and 1.96 kg, respectively and the average age of first egg laying were 182 days, 166 days and 184 days, respectively. The average egg production per annum was 70.96, 112.64 and 81.64 eggs with net income of Rs. 962/-, Rs. 1534/- and Rs.1125/- and B:C ratio of 2.10, 2.78 and 2.06, respectively for Desi birds, 'Nicobari fowl' and 'Naked Neck'. As per B:C ratio, the backyard farming of Nicobari fowl was more profitable followed by Desi birds and 'Necked Neck fowl'.



Technology option	Average bwt. at 8 months (kg)	Average age of first egg laying (days)	Egg production / annum (no.)	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B:C ratio
FP: Rearing of desi poultry birds	1.71	182	70.96	872	1834	962	2.10
TO-1: Backyard rearing of 'Nicobari Fowl'	1.59	166	112.64	872	2406	1534	2.78
TO-2: Rearing of 'Naked Neck fowl'	1.96	184	81.64	981	2106	1125	2.06





#### Evaluation of different papaya varieties at Car Nicobar

There is much demand of papaya fruits in Car Nicobar. The local varieties' yield is low. Hence, introduction and evaluation of new varieties of papaya is required. Therefore, a multi-locational field trial was taken up by Nicobar KVK at 7 different locations of the district for assessing the performance of different varieties of papaya. It was cleared that number of fruits per plant was higher in 'Arka Prabhat' (20.86) followed by 'Arka Surya' (18.57) and local variety (15.86). The same trend was observed for other parameters viz. fruit weight, gross return, net return and B:C ratio. It was concluded that 'Arka Prabhat' performed better in both yield and economic parameters, hence it was promoted in Car Nicobar.

Technology option	No. of	Yiel	d componen	t	weight of fruit	Yield (q/ha)	Cost of cultivation	Gross return	Net return	B:C ratio
	trials	Plant height 180 days (cm)	Days of flowering	No. of fruits/ plant	(kg)	(4)2)	(Rs./ha)	(Rs./ha)	(Rs./ha)	
FP: Local variety	7	189.29	142	15.86	0.79	386.66	654020	1546640	892620	2.36
TO-1: 'Arka Prabhat'	7	109.86	84	20.86	1.24	798.24	808320	3192960	2384640	3.95
TO-2: 'Arka Surya'	7	137.29	96	18.57	1.12	641.84	808320	2567360	1759040	3.18







#### 5.1.3 Front line demonstrations (FLDs)

The proven technologies derived either from research institutes or from OFTs of a particular KVK or from nearby KVKs were taken to the fields of selected farmers' through FLDs. Thus, farmers can get the opportunity to check the yield advantage of the demonstrated technology against their practiced technology. This is one of the ways to spread new technologies among the farmers within a very short period of time. The TSP/STC KVKs of this zone conducted many FLD programmes for the benefit of tribal farmers during the period under report.

#### 5.1.3.1 Total number of FLDs conducted

The KVK-wise total number of FLDs, area covered, number of beneficiaries including male and female and cost involved in different years have been shown in the following table.

Table: Details of FLDs conducted by the KVKs under TSP/STC during the year 2017-18 to 2022-23

Year	Name of KVK	Total no.	Total area of	No. c	of benefitted	Cost	
		of FLDs	demonstration (Acre)	Male	Female	Total	involved (Rs.)
2017-18	Gajapati	295	39.50	197	99	295	209821
	Kandhamal	325	47.50	195	130	325	68544
	Malkangiri	278	30.00	168	110	278	151200
	Mayurbhanj-l	278	15.00	169	109	278	29028
	Mayurbhanj-II	289	24.00	156	133	289	83550
	Nabarangapur	309	36.00	181	128	309	24000
	Rayagada	289	70.00	167	122	289	122900
	Sundargarh-I	298	32.50	165	133	298	145000
	Sundargarh-II	341	41.34	198	143	341	363948
	Nicobar	152	2.50	121	31	152	28000
Sub-total Sub-total		2854	338.34	1702	1152	2854	1225991



Year	Name of KVK	Total no.	Total area of demonstration (Acre)	No. c	of benefitted	Cost	
		of FLDs		Male	Female	Total	involved (Rs.)
2018-19	Gajapati	154	27.50	89	65	154	108460
	Kandhamal	198	27.50	123	75	198	80657
	Malkangiri	189	40.00	103	86	189	210000
	Mayurbhanj-l	177	20.26	104	73	177	19040
	Mayurbhanj-II	195	21.50	121	74	195	79400
	Nabarangapur	154	16.10	102	52	154	31000
	Rayagada	158	24.14	98	60	158	102400
	Sundargarh-I	208	25.00	145	63	208	401000
	Sundargarh-II	159	53.00	94	65	159	266520
	Nicobar	123	3.00	86	37	123	21000
	Sub-total	1715	258.00	1065	650	1715	1319477
2019-20	Gajapati	197	22.50	112	85	197	102897
	Kandhamal	210	32.50	156	54	210	89379
	Malkangiri	263	30.00	189	74	263	119200
	Mayurbhanj-l	216	9.68	124	92	216	32953
	Mayurbhanj-II	196	15.00	127	69	196	81600
	Nabarangapur	215	18.50	131	84	215	35000
	Rayagada	189	44.00	111	78	189	133140
	Sundargarh-I	207	15.00	126	81	207	287000
	Sundargarh-II	194	30.80	114	80	194	99825
	Nicobar	114	1.55	62	52	114	33000
	Sub-total	2001	219.53	1252	749	2001	1013994
2020-21	Gajapati	140	12.00	91	49	140	70399
	Kandhamal	131	42.50	111	20	131	100138
	Malkangiri	162	33.00	130	32	162	298200
	Mayurbhanj-l	81	14.01	50	31	81	25274
	Mayurbhanj-II	100	12.55	59	41	100	114200
	Nabarangapur	150	15.00	125	25	150	30000
	Rayagada	240	36.00	193	47	240	178180



Year	Name of KVK	Total no. of FLDs	Total area of demonstration	No. c	of benefitted	Cost involved	
		OFFLUS	(Acre)	Male	Female	Total	(Rs.)
	Sundargarh-I	270	32.5	174	96	270	212600
	Sundargarh-II	331	45.07	200	131	331	152135
	Nicobar	8	0.16	1	7	8	38000
	Sub-total	1613	242.79	1134	479	1613	1219126
2021-22	Gajapati	50	16.50	28	22	50	967
	Kandhamal	127	41.20	75	52	127	161293
	Malkangiri	175	50.00	89	86	175	340000
	Mayurbhanj-l	94	14.00	52	42	94	57322
	Mayurbhanj-II	128	18.00	71	57	128	94800
	Nabarangapur	158	16.00	87	71	158	45000
	Rayagada	148	13.00	74	74	148	176800
	Sundargarh-I	126	30.90	83	43	126	247900
	Sundargarh-II	148	31.00	82	66	148	273745
	Nicobar	22	0.40	13	9	22	76000
	Sub-total	1176	231.00	654	522	1176	1473827
2022-23	Gajapati	162	15.00	97	65	162	5400
	Kandhamal	186	17.50	113	73	186	179259
	Malkangiri	165	29.50	96	69	165	249000
	Mayurbhanj-l	144	16.00	84	60	144	12000
	Mayurbhanj-II	150	15.20	91	59	150	166289
	Nabarangapur	192	37.00	123	69	192	108450
	Rayagada	168	15.00	107	61	168	142016
	Sundargarh-I	198	30.00	109	89	198	333200
	Sundargarh-II	274	37.50	154	120	274	195960
	Nicobar	112	0.50	73	39	112	32000
	Sub-total	1751	213.20	1047	704	1751	1423574
	Grand total	11110	1502.86	6854	4256	11110	7675989

#### 5.1.3.2 Details of FLDs

The KVK-wise details of FLDs, varieties/breed/strain demonstrated, area/no. of units, number of beneficiaries including male and female and total cost involved are presented in the table shown below.

Table: Important demonstrations under TSP/STC by the KVKs of this zone during the period 2017-18 to 2022-23

Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
2017-18	Gajapati	Nutritional garden	Papaya- <i>Red lady,</i> drum stick- <i>PKM 1,</i> other vegetable seeds	4.0	4	21	25	19415
		Rice	IDM in rice	7.5	10	0	10	19880
		Brinjal	IDM in brinjal	2.5	5	0	5	16021
		Mango	IDM in mango	2.5	5	0	5	4480
		Wilt tolerant tomato hybrid	Swarna Sampada	1.0	3	2	5	7600
		Wilt tolerant brinjal	Swarna Shyamali	1.0	3	2	5	31300
		Broccoli	Green Magic	1.0	5	0	5	105600
		Maize planter	Use of maize planter	10.0	10	0	10	2000
		OUAT three row manual transplanter in rice	Three row manual transplanter	5.0	5	0	5	0
		Bullock drawn puddler in rice	Bullock drawn puddler	5.0	5	0	5	3525
		Tota	ıl	39.5	197	99	295	209821
	Kandhamal	Maize	Hybrid	5	24	14	38	3500
		Groundnut	Srumti	5	21	15	36	2150
		Turmeric	Roma	5	27	21	48	2150
		Garden pea	GS 10	18	59	32	91	35621
		Cabbage	Harekrishna	14.5	64	48	112	25123
		Total			195	130	325	68544
	Malkangiri	Paddy	HYV <i>Ajay</i>	6	25	16	41	9000
		Sweet corn	Sugar 75	6	40	23	63	90000
		Groundnut	Devi	6	23	14	37	19000
		Mushroom	P Sajarkaju	200 nos.	3	17	20	15000
		Green gram	IPM02-14	6	35	17	52	17000
		Rice	MTU-1001	6	35	15	50	1200
		Tota	ıl	30	168	110	278	151200
	Mayurbhanj- I	Capsicum	var. Indo American Bharat	4.95	25	18	43	5000
		Poultry	Rainbow Roaster	100 nos.	10	0	10	6500
		Mechanized line transplanting of rice	Four-row walk behind rice transplanter	5.00	28	26	54	6528
		Mechanized line sowing of maize	Tractor drawn seed cum fertilizer drill	5.00	29	13	42	6500
		Dal mill	Dal mill machine	10 nos.	15	10	25	1000
		Mechanized digging of groundnut	Bullock drawn groundnut digger	5.00	18	7	25	3500
		Lifting of water by solar pump	Solar pump	10 nos.	21	12	33	0



Name of KVI	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No. of benefitted farmers		Total cost involved	
			(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Mechanical thresher bench of sunflower	Sunflower thresher	10 nos.	14	8	22	0
	Groundnut stripper	Groundnut stripper	10 nos.	9	15	24	0
	Tota	ıl	15.00	169	109	278	29028
Mayurbhanj- I	Chick Pea	Shubhra	5.0	21	12	33	12400
	Maize	VNR 4226	5.0	19	13	32	12650
	Paddy	Swarna Sub-I	5.0	23	7	30	8400
	Cauliflower	Megha	5.0	21	14	35	14300
	Chilli	Utkal Rashmi	2.0	26	15	41	13500
	Mushroom	Paddy straw mushroom	10 nos.	12	23	35	8900
	Mahua	Value added products	10 nos.	16	28	44	5000
	Nutritional garden	Vegetables	1.0	18	21	39	8400
	Tota	d	24.00	156	133	289	83550
Nabarangpur	Black gram	PU-31	4	23	12	35	3000
	Rice	Mandakini	6	27	24	51	4000
	IPM of yellow stem borer in rice	Pest management practices	5	24	17	41	2000
	Vermicompost	Vermicompost production techniques	5	24	18	42	7000
	Wilt management in brinjal	Sclerotial wilt management	6	35	24	59	2000
	Green gram	IPM 02-03	5	24	18	42	4000
	Rice	Use of LCC	5	24	15	39	2000
	Tota	ıl	36	181	128	309	24000
Rayagada	Maize	Sweet corn	7.5	36	24	60	59400
	Blast management in rice	Application of Tricycloazole/ Isoprothialine	5.0	21	9	30	4500
	Sunflower	PAC 334	5.0	12	7	19	2500
	Pigeon pea	Asha	5.0	15	8	23	4000
	Black gram	PU-31	12.5	9	4	13	13000
	Pigeon pea	ICPL 14001	25.0	33	23	56	22000
	Cotton	RCH 688	2.5	12	6	18	5000
	Sunhemp	Sunhemp production practices	7.5	21	17	38	5000
	Backyard poultry rearing	,	100 nos.	8	24	32	7500
	Tota		70	167	122	289	122900
Sundargarh- I	Paddy	Swarna	5.0	10	8	18	18000
	Green gram	PDM 139	5.0	10	5	15	17000
	Chilli	Utkal Ragini	2.5	7	15	22	6000
	Mango	Amrapalli	10 nos.	6	4	10	5000
	Rice	Pratikshya	5.0	8	2	10	10000
	Mustard	Anuradha	5.0	40	10	50	20000
	Green gram	IPM-02-14	5.0	50	9	59	20000
	Nutritional garden	Improved varieties of vegetables	10 nos.	0	20	20	10000
	Oyster mushroom	P. sajarcaju	10 nos.	2	24	26	10000
	Backyard poultry rearing	Vanraja	10 nos.	1	19	20	10000



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
		Ragi	Bhairabi	5.0	31	17	48	19000
		Tota	I	32.50	165	133	298	145000
	Sundargarh-II	Rice	Naveen	2.5	17	5	22	15850
			Sahabhagi	2.5	16	5	21	14470
			Nutrient Management in hybrid rice	2.5	18	0	18	11320
		Cowpea	Kashi Kanchan	2.5	17	0	17	14180
		Tomato	Demonstration of staking in tomato	0.5	15	0	15	14600
		Sweet corn	Sugar-75	1.0	0	4	4	12440
		Okra	Nutrient management in okra	1.0	14	0	14	11680
		Onion	Bhima Shakti	1.0	12	0	12	11570
		Brinjal	Nutrient management in brinjal	1.0	15	0	15	11440
		Garden pea	High yielding variety	17.5	44	6	50	74450
		Nutritional garden	Backyard kitchen gardening	9.34	30	73	103	151948
		Mushroom cultivation	Paddy straw mushroom	200	0	20	20	6000
			Oyster mushroom	200	0	20	20	6000
		Poultry rearing	Calcium and mineral supplementation during egg laying period in backyard poultry	200 nos.	0	10	10	8000
		Total				143	341	363948
	Nicobar	Popularization of maize crop	Sweet corn	1.50	30	7	37	2000
		Organic manure production	Vermi composting	0.50	32	5	37	1000
		Organic manure production	Coconut composting	0.50	37	10	47	8000
		Dairy farming	Mineral mixture supplementation	19 nos.	14	5	19	2000
		Piggery	Intensive pig farming	12 nos.	8	4	12	15000
		Tota	ıl	2.50	121	31	152	28000
		Sub-to	338.34	1702	1152	2854	1225991	
2018-19	Gajapati	Black gram	Weed management in black gram	4.5	10	8	18	3235
		Green gram	INM in green gram	3.5	11	7	18	0
		Tomato	Weed management in tomato with var. Arka Samrat	3.5	14	9	23	3540
		Rice	Management of gall midge in rice	1.5	8	5	13	0
		Rice	Sheath blight management in rice	2.5	14	6	20	6502
		Cow pea	Bushy type YMV resistant cowpea var. <i>Kashi Kanchan</i>	2.5	6	2	8	12403
		Brinjal	Wilt tolerant brinjal var. <i>Swarna Shyamali</i> application	2.5	5	0	5	28980
		Broccoli	Arka Microbial Consortium (AMC) in broccoli	3.5	12	5	17	0
		Marigold	Seedling raising of marigold cultivar Seracole in Aug Sept.	2.5	9	3	12	53800
		Nutritional garden	Use of HYV crops in backyard	1	0	20	20	0
		Tota	I	27.5	89	65	154	108460



'ear	Name of KVK	or breeds or strains demonstrated demonstration		Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Kandhamal	Groundnut	Smruti	2.5	15	12	27	3000
		Turmeric	Rajendra Sonia	2.5	19	11	30	3000
		Garden pea	GS 10	7.5	34	19	53	36210
		Cabbage	Harekrishna	9.5	25	13	38	26251
		Field pea	Udaya	3	13	8	21	2564
		Sweet corn	Sugar 75	2.5	17	12	29	9632
		Tota	ıl	27.5	123	75	198	80657
	Malkangiri	Rice	MTU-1001	2.5	8	2	10	1200
		Rice	Pratikshya	5.00	6	4	10	2500
		Rice	Swarna Shreya (IET 24003)	2.5	7	5	12	1500
		Rice	LCC	5.00	8	2	10	6000
		Sweet corn	Sugar 75	2.50	10	0	10	11700
		Oyster mushroom	P Eryngii	2000 nos.	8	16	24	8000
		Backyard poultry	Vanaraja	1000 nos.	16	25	41	45000
		Backyard poultry	Kadaknath	1000 nos.	15	23	38	45000
		Groundnut	Devi	12.00	12	5	17	57600
		Sesame	GT-10	10.50	13	4	17	31500
		Tota	ı	40	103	86	189	210000
	Mayurbhanj- I	IWM in transplanted rice	Treatment of weeds	5.95	28	17	45	3600
		Toria	Sushree	4.95	24	12	36	1800
		Green gram	Pre- and post-emergence herbicide for control of weed in green gram	9.06	35	9	44	1500
		Maize + cowpea intercropping	Maize and cowpea	0.25	2	0	2	1200
		Ornamental plants cultivation in poly house throughout the year	Gerbera and Rose	5 nos.	5	0	5	6000
		Duckery for income generation of farm women	Khaki Campbell	100 nos.	10	0	10	2600
		Nutritional garden	Backyard nutritional garden for round the year production	0.05	0	10	10	2340
		farm women	NRRI paddy parboiling drum	15 nos.	0	15	15	0
		Drudgery reduction of farm women		15 nos.	0	10	10	0
		Tota		20.26	104	73	177	19040
	Mayurbhanj- II	Maize	VNR 4001	5.0	29	6	35	13600
		Paddy	Pooja	5.0	26	10	36	9800
		Brinjal	Swarna shakti	5.0	28	11	39	12600
		Tomato	Utkal Pragyan	5.0	29	18	47	12400
		Nutritional garden	Vegetables	1.5	9	8	17	8500
		Duck	Khaki Cambell	10 nos.	1	1	12800	1
		Tamarind	Value added products	10 nos.	10	10	4200	10
		Tomato	Value added products	10 nos.	10	10	5500	10
		Tota	d	21.5	121	74	195	79400



	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Nabarangpur	Nutritional garden	Vegetables and fruits	1	0	10	10	2000
		Oyster mushroom	Oyster mushroom production technology	4	0	10	10	2000
		IDM in banana	Disease management practices	0.4	10	3	13	2000
		IDM in ground nut	Disease management practices	1	9	4	13	2000
		Papaya	Red Lady	0.4	8	2	10	2000
		Tomato	Arka Rakshyak	1	7	3	10	3000
		Marigold	BM2	0.3	8	2	10	2000
		Maize-black gram intercropping	Intercropping of maize and black gram	1	8	3	11	2000
		Weed management in rice	Weed management practices	2	13	4	17	4000
		Maize-cowpea intercropping	Intercropping of maize and cowpea	1	9	5	14	2000
		INM in rice	Micronutrient management	1	7	4	11	2000
		INM in brinjal	INM practices	3	23	2	25	6000
		Tota	I	16.1	102	52	154	31000
	Rayagada	Sweet corn	Sugar-75	7.5	21	11	32	69300
		Ragi	Arjuna	2.5	15	9	24	1000
		Maize	Management of soil acidity	5	17	12	29	16800
		Rice	Management of blast disease	1.5	7	5	12	4500
		Cotton	Management of mealy bug	5.14	22	12	34	5800
		Onion	Bhima Super	2.5	16	11	27	5000
		Tota	ı	24.14	98	60	158	102400
	Sundargarh-I	Rice	Swarna Shreya	5	21	0	21	20000
		Mustard	Uttara	5	18	0	18	20000
		Bottle gourd	Local cultivar <i>Lephripara</i>	5	22	2	24	15000
		Sesamum	GT-10	10	34	3	37	15000
		Value addition of tomato	Tomato powder preparation technique of <i>Arka Rakshak</i> variety	50 kg	0	5	5	10000
		Paddy straw mushroom	Volvariella volveacea	20 nos.	0	5	5	45000
		Nutritional garden	Improved variety of vegetables	400 kits	40	45	85	135000
		Oyster mushroom	Pleurotus sajorcaju	30 nos.	0	3	3	21000
		Vermicomposting	E. foiditida	10 nos.	10	0	10	75000
		Rearing of backyard poultry	Vanraja	10 nos.	0	0	0	45000
		Tota	I	25	145	63	208	401000
	Sundargarh-II	Rice	Sahabhagi	2.5	6	2	8	14430
			Green manuring of sunhemp in rice	2.5	5	1	6	7850
			IPM in rice	5	6	2	8	16320
		Groundnut	IPM in groundnut	5	6	2	8	12740
		Tomato	Wilt management in tomato	2.5	6	2	8	8575
		Cabbage	IPM of diamond back moth in cabbage	2.5	7	1	8	8970



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration (Ac)/ Livestock	No.	of benefi farmers	tted	Total cost involved (Rs.)
				unit size (No.)	Male	Female	Total	(113.)
		Chick pea	Chickpea cultivation in rainfed rice fallow	2.5	8	3	11	12540
		Cow pea	Kashi Kanchan	2.5	6	0	6	14950
		Sweet potato	INM in sweet potato	2.5	8	6	14	9045
		Tomato	Arka Rakshak	2.5	8	2	10	8180
		Onion	Use of weedicide Oxyfluorfen in <i>rabi</i> onion	2.5	6	0	6	4720
		Nutritional garden	Vegetable production in backyard	1.5	2	4	6	56500
		Black gram	OBG-17 (Ujala)	8	7	5	12	25000
		Field pea	Prakash	7	7	3	10	23000
		Garden pea	Sweet pearl	4	6	8	14	19700
		Mushroom cultivation	Paddy straw mushroom	100 bed	0	8	8	7000
			Oyster mushroom	100 bed	0	8	8	7000
		Poultry	Rearing of <i>Kadaknath</i> under backyard system	10 units	0	8	8	10000
		Tota	ıl	53	94	65	159	266520
	Nicobar	Okra	Arka Anamika	1.5	29	14	43	2000
		Maize crop	Sweet corn	1.5	27	6 14 2 10 0 6 4 6 5 12 3 10 8 14 8 8 8 8 8 8 8 8 8 8 8 8 8 11 11 38 4 22 8 20 37 12 8 22 10 28 10 28 10 28 4 19 10 28 10 38 4 9 3 88 4 9	38	2000
		Goatery	Supplementation of mineral mixture	35 no.	18	4	8     7000       8     10000       159     266520       43     2000       38     2000       22     2000       20     15000       123     21000       1715     1319477       23     1302       19     3275	
		Piggery	Intensive pig farming	6 no.	12	8	20	15000
		Tota	ıl	3	86	37	123	21000
		Sub-to	otal	258	1065	650	1715	1319477
2019-20	Gajapati	BPH tolerant rice	Hasanta	2.5	15	8	23	1302
		Rice	Weed management in transplanted rice	2.5	15	4	19	3275
		Maize + cowpea (2:2) intercropping	Two rows of cowpea var. Kashi Kanchan	2.5	18	10	28	4750
		Green gram	Weed management in green gram (post-emergence)	2.5	10	6	16	3870
		Wilt tolerant brinjal	Swarna Shyamli during kharif season	1.25	5	3	8	28400
		Kharif onion	Arka Kalyan	1.25	5	4	9	41000
		Bullock drawn puddler	Bullock drawn puddler during <i>kharif</i> season	2.5	5	3	8	120
		Power Weeder in rice	Weeding using wet land power weeder during <i>kharif season</i>	2.5	5	4	9	120
			Manually operated dehusker-cum- sheller during <i>kharif season</i>	2.5	5	24	29	120
		INM in TC banana	G9 during rabi season	1.25	11	7	18	8640
		IPM in mango	IPM for fruit fly in mango during <i>rabi</i> season	1.25	5	5	10	11300
		Short videos on technology adoption	Video (1.5-2.0 min) show on different activities of production and process of selected commodities	0	13	7	20	0
		Tota	ıl	22.5	112	85	197	102897



	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Kandhamal	Turmeric	Rajendra Sonia	2.5	21	4	25	3000
		Garden pea	GS 10	12.5	54	15	69	37541
		Cabbage	Harekrishna	6.25	24	11	35	18256
		Field pea	Udaya	2.5	14	2	16	4526
		Sweet corn	Sugar 75	2.5	12	8	20	7800
		Cauliflower	Snow ball	6.25	31	14	45	18256
		Tota	ıl	32.5	156	54	210	89379
	Malkangiri	Paddy	MPU-1001	4.5	14	5	19	1200
		Paddy	Pratikshya	4.5	18	7	25	3500
		Paddy	Kalajeera	2.5	14	5	19	2000
		Paddy	MPU-1001	5	33	4	37	6000
		Leafy vegetable	Hybrid seeds of vegetables	10 nos.	4	9	13	5000
		Tomato	Arka Samrat	2.5	17	2	19	8500
		Sweet Corn	Sugar-75	2.5	15	2	17	12000
		Green gram	IPM-02-14	5	21	3	24	6500
		Mushroom	V. Volvacea	100 nos.	6	11	17	11000
		Cauliflower	Kurstaki	2.5	12	3	15	5500
		Poultry	Kadaknath	200 nos.	8	12	20	16000
		Mahua	Mahua	10 nos.	6	4	10	7500
		Pisciculture	Catla, Rohu, Mrigal	1	7	3	10	14000
		Duckery	White Pekin	100 nos.	6	4	10	6000
		Honey bee	Cerena Indica	10 nos.	8	0	8	14500
		Tota	ıl	30	189	74	263	119200
	Mayurbhanj-I	Ornamental plants cultivation in poly house throughout the year	Gerbera and Rose	1.5	20	11	31	6000
		Short duration video show for technology dissemination	Videos on different technologies	5 nos.	35	12	47	1800
		IMC	Fry-Fingerling production in small season ponds	2.24	24	8	32	3800
		IMC	Intercropping of minor carps	2.47	23	7	30	4500
		Carp-Mola polyculture	Carp-Mola	2.47	18	9	27	3500
		Multipurpose dry- grinder for preparation of <i>Chatua</i>	Multipurpose dry-grinder	10 nos.	0	10	10	3600
		Drudgery reduction of farm women	NRRI paddy parboiling drum	10 nos.	0	10	10	2200
	1 i	Nutritional garden for improving nutritional security of farm family	Production of different vegetables	2.5	4	15	19	6444
		Mango	Mango leather in Solar cabinet dryer	10 nos.	0	10	10	1109
		Tota	ı	9.68	124	92	216	32953
	Mayurbhanj-II	Mustard	Tapeswari	2.5	19	9	28	9700
		Cauliflower	Barkha	2.5	18	10	28	12400
		Poultry	Kadaknath	10 nos.	2	8	10	10200



	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefit farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
		Nutritional garden	Vegetables	1	2	14	16	7800
		Tomato	Arka Rakshak	2.5	21	7	28	11200
		Finger millet	CO 9	2.5	16	9	25	6500
		Capsicum	Indra	1.5	24	7	31	14900
		Pigeon pea	PRG-176	2.5	25	5	30	8900
		Tota	ı	15	127	69	196	81600
	Nabarangpur	IDM in rice	IDM practices	2.5	20	9	29	5000
		IPM in brinjal	IPM practices	1.5	10	8	18	3000
		IPM in onion	IPM practices	1.5	12	7	19	4000
		Tomato	Arka Rakshyak	2.5	21	7	28	4000
		Post harvest management in pulses	Technology to reduce post-harvest loss	3	7	15	22	5000
		INM in maize	INM practices	1	10	6	16	2000
		Weed management in maize	Weed management practices	1	10	6	16	2000
		Weeds management in rice	Direct seeded rice technology	1	10	5	15	2000
		INM in green gram	Nutrient management practices	1.5	14	8	22	3000
		INM in onion	Nutrient management practices	1.5	9	6	15	3000
		INM in cauliflower	Micronutrient management practices	1.5	8	7	15	2000
		Tota	ı	18.5	131	84	215	35000
	Rayagada	Paddy	Nua Acharmati	3.5	13	9	22	2000
		Sweet corn	Sugar-75	5.5	18	13	31	69300
		Ragi	Arjuna	4.5	16	8	24	1140
		Pigeon pea with cotton	Intercropping with 8:2 ratio	4.5	7	7	14	2500
		IWM in cotton	Weed management practices	4.5	8	7	15	4300
		Maize and cowpea	Intercropping with 2:2 ratio	3.5	10	8	18	6400
		Cotton	High density planting system	6.5	11	6	17	15600
		IDM in cotton	Mealy bug management practices	5.5	6	8	14	5400
		IDM in okra	YMV management practices	2.5	10	7	17	13800
		Wilt management in brinjal	Wilt management practices	3.5	12	5	17	12700
		Tota	ı	44	111	78	189	133140
	Sundargarh-l	IWM in rice	Weed management practices	2.5	17	0	17	20000
		IWM in groundnut	Kadaria	2.5	19	0	19	25000
		IDM in bottlegourd	Local cultivar <i>Lephripara</i>	2.5	16	1	17	20000
		Rice	Pratikshya	2.5	18	0	18	10000
		Value addition of tomato	Tomato powder preparation technique of <i>Arka Rakshak</i> variety	50 kg	0	10	10	20000
		Rearing of back yard poultry	Vanraja	400 nos.	4	6	10	20000
	Oveter much reem	Hyspizygus ulamarius	300 beds	0	15	15	20000	
		Oyster mushroom	r ryspizygus ulurriurius	SOO BCGS		13	15	20000



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration (Ac)/ Livestock		of benefi farmers		Total cost involved (Rs.)
				unit size (No.)	Male	Female	Total	
		Nutritional garden	Use of improved varieties of vegetable kit, seedling and saplings	0.5	0	12	12	65000
		Safe storage of pulses	Use of grain pro super bag	100 bags	14	4	18	22000
		Ragi	Biscuit preparation from Bhairabi ragi	5 kg	0	11	11	25000
		Mustard	Uttara	4.5	38	7	45	20000
		Tota	ıl	15	126	81	207	287000
	Sundargarh-II	Rice	Management of stem borer in kharif rice	2.5	8	0	8	5240
		Ragi	INM in ragi	2.5	6	2	8	3584
		Sesamum	GT-10	2.5	6	0	6	2870
		Black gram	Management of YMV in <i>kharif</i> black gram	2.5	8	2	10	3986
		Chickpea	Chick pea in rainfed rice fallow	2.5	9	1	10	6650
		Tomato	Arka Rakshak	2.5	10	2	12	4180
		Cauliflower	Arka microbial consortium for improvement of curd size of cauliflower	2.5	9	3	12	3780
		Banana	INM practices in banana	0.5	7	3	10	3450
		Marigold	Bidhan Marigold 2	0.5	8	3	11	3980
		Brinjal	Wilt management in brinjal	1.5	6	2	8	3575
		Maize + Cowpea	Crop diversification with maize + cowpea intercropping	2.5	8	3	11	4440
		Nutritional garden	Vegetable production in backyard kitchen garden	2.5	0	10	10	2000
		Black gram	Pu-31	1.5	9	6	15	14600
		Field Pea	Field pea var- Prakash	2.5	11	2	13	8880
		Garden pea	KSP-110	1.8	9	3	12	4610
		Mushroom cultivation	Paddy straw mushroom	300 beds	0	15	15	7000
			Oyster mushroom	300 beds	0	15	15	7000
		Poultry rearing	Brooding management	5 nos.	0	8	8	10000
		Tota	al .	30.8	114	80	194	99825
	Nicobar	Okra	Arka Anamika	1	19	9	28	2000
		Brinjal	CARI Brinjal 1	0.5	16	7	23	2000
		Nutri-gardening	Backyard kitchen garden	0.05	7	13	20	4000
		Poultry farming	Broiler	1000 nos.	15	12	27	20000
		Post harvest technology	Shreekhand production	4 kg	0	7	7	2500
		Post harvest technology	Paneer production	8 kg	5	4	9	2500
		Tota	ıl	1.55	62	52	114	33000
		Sub-to	otal	219.53	1252	749	2001	1013994
2020-21	Gajapati	BPH tolerant rice	Hasanta in kharif season	2.5	12	7	19	5200
		Rice	Weed management in transplanted rice (pre-emergence)	2	11	5	16	3110
		Maize + cowpea (2:2) intercropping	Two rows of cowpea var. Kashi Kanchan	2	13	6	19	6500
		<i>kharif</i> onion	Arka Kalyan	1.5	12	2	14	30000



1	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefit farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
		Chilli	INM in chilli	1	10	2	12	500
		INM in TC banana	G9 during <i>rabi</i> season	1	6	3	9	9600
		Bullock drawn puddler	Bullock drawn puddler during <i>kharif</i> season	1	9	2	11	212
		OUAT ragi thresher cum pearler	OUAT ragi thresher cum pearler during kharif season	0	0	5	5	212
		Short videos on technology adoption	Video (1.5-2.0 min) show on different activities of production and process of selected commodities	0	13	7	20	0
		IPM in mango	IPM for fruit fly in mango during <i>rabi</i> season	1	5	0	5	11800
		Cashew by-product	Preparation of cashew nut butter	0	0	10	10	3265
		Tota	ı	12	91	49	140	70399
K	andhamal	Groundnut	Smruti	2.5	5	5	10	8102
		Turmeric	Rajendra Sonia	2.5	7	3	10	3962
		Garden pea	GS 10	12.5	53	3	56	37852
		Cabbsge	Harekrishna	6.25	14	6	20	18258
		Field pea	Udaya	5	6	0	6	3025
		Sweet corn	Sugar 75	2.5	6	0	6	7900
		Cauliflower	Snow Ball	6.25	13	3	16	18527
		Cowpea	Kashi Kachan	5	7	0	7	2512
		Tota	I	42.5	111	20	131	100138
Μ	1alkangiri	Rice	Hasanta	2.5	9	1	10	8000
		Rice	Nua Kalajeera	2.5	7	0	7	5000
		Rice	MTU 1001	2.5	6	0	6	0
		Maize	Rishi 44	1.5	8	2	10	24000
		Groundnut	Dharani	1.5	6	4	10	89000
		Rice	MTU 1010	2.5	9	1	10	0
		Tomato	Arka Samrat	2.5	8	0	8	8000
		Green gram	IPM 02-14	2.5	6	0	6	4000
		Cauliflower	Kurstaki	2.5	7	0	7	1200
								2500
		Water melon	Arka Manik	2.5	3	0	3	3500
			Arka Manik PRG-176	2.5 2.5	3 8	0 2	3 10	9000
		Water melon						
		Water melon Pigeon pea	PRG-176	2.5	8	2	10	9000
		Water melon Pigeon pea Sweet Corn	PRG-176 Sugar-75	2.5 2.5	8	2	10 6	9000 13500
		Water melon Pigeon pea Sweet Corn Rice	PRG-176 Sugar-75 CLCC	2.5 2.5 3.5	8 6 6	2 0 4	10 6 10	9000 13500 6000
		Water melon Pigeon pea Sweet Corn Rice Ducks	PRG-176 Sugar-75 CLCC White Pekin	2.5 2.5 3.5 100 nos.	8 6 6 8	2 0 4 2	10 6 10 10	9000 13500 6000 8000
		Water melon Pigeon pea Sweet Corn Rice Ducks Mushroom	PRG-176 Sugar-75 CLCC White Pekin V. Volvacea	2.5 2.5 3.5 100 nos. 100 beds	8 6 6 8 0	2 0 4 2 5	10 6 10 10 5	9000 13500 6000 8000 6000
		Water melon Pigeon pea Sweet Corn Rice Ducks Mushroom Poultry	PRG-176 Sugar-75 CLCC White Pekin V. Volvacea Kadaknath	2.5 2.5 3.5 100 nos. 100 beds 100 nos.	8 6 6 8 0	2 0 4 2 5	10 6 10 10 5 5	9000 13500 6000 8000 6000 82000
		Water melon Pigeon pea Sweet Corn Rice Ducks Mushroom Poultry Mahua	PRG-176 Sugar-75 CLCC White Pekin V. Volvacea Kadaknath Mahua	2.5 2.5 3.5 100 nos. 100 beds 100 nos. 10 nos.	8 6 6 8 0 0 5	2 0 4 2 5 5	10 6 10 10 5 5 7	9000 13500 6000 8000 6000 82000 5000
		Water melon Pigeon pea Sweet Corn Rice Ducks Mushroom Poultry Mahua Pisciculture	PRG-176 Sugar-75 CLCC White Pekin V. Volvacea Kadaknath Mahua Rohu, Catla, Mrigal	2.5 2.5 3.5 100 nos. 100 beds 100 nos. 10 nos.	8 6 6 8 0 0 5 7	2 0 4 2 5 5 2	10 6 10 10 5 5 7 8	9000 13500 6000 8000 6000 82000 5000 14000



Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
			(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Fish	Grass carp	0.5	5	0	5	5000
	Tota	ı	33	130	32	162	298200
Mayurbhanj-l	Groundnut	Dharini	2.47	10	0	10	5792
	Black gram	IPU 2-43	2.55	5	1	6	2500
	Tomato	Arka Rakshak	1.75	10	0	10	10000
	IMC	Fry-fingerling production in small season ponds	2.24	5	0	5	3800
	IMC	Intercropping of minor carps	2.75	5	0	5	0
	Carp-Mola polyculture	Carp-Mola	2.25	5	0	5	0
	Mango	Mango leather in Solar cabinet dryer	10 nos.	0	10	10	0
	Nutritional garden for improving nutritional security of farm family	Production of different vegetables and fruits	10 nos.	0	10	10	3182
	Drudgery reduction of farm women	NRRI paddy parboiling drum	10 nos.	0	10	10	0
	Short duration video show for technology dissemination	Videos on different technologies	10 nos.	10	0	10	0
	Tota	I	14.01	50	31	81	25274
Mayurbhanj-II	Cabbage	BC 19	2.5	9	7	16	14500
	Tomato	Arka Rakshak	1.55	8	6	14	12600
	Brinjal	Arka Aanad	1.55	10	9	19	16900
	Sweet Potato	Kishan	2.45	9	5	14	14400
	Maize	Kalinga Raj	2	16	7	23	40200
	Chilli	HPH 5531	2.5	7	7	14	15600
	Tota	d	12.55	59	41	100	114200
Nabarangpur	Finger millet	Arjuna	1.5	10	0	10	4000
	Maize	Sugar 75	1.5	10	0	10	2000
	Weed management in rice	Weed management practices	1	10	0	10	2000
	INM in black gram	Nutrient management practices	1	10	2	12	2000
	INM in green gram	Nutrient management practices	1	10	2	12	2000
	INM in onion	Nutrient management practices	1	11	1	12	2000
	INM in cauliflower	Micronutrient management practices	1.5	10	0	10	2000
	Rice	Water stress management	1.5	14	0	14	2000
	INM in maize	Nutrient management practices	1	10	0	10	2000
	IDM in Rice	Disease management practices	1	10	0	10	2000
	IPM in maize	Pest management practices	1.5	10	0	10	2000
	IPM in tomato	Pest management practices	1.5	10	0	10	2000
	Paddy straw mushroom	Volvariella volvacea, strain-OSM-11	100 beds	0	10	10	2000
	Oyster mushroom	Hypsizygous ulmarius	100 beds	0	10	10	2000
	Tota		15	125	25	150	30000



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Rayagada	Rice	Aromatic rice production practices	3.5	16	2	18	4000
		Rice	Swarna Shreya	3.5	15	4	18	4520
		Rice	Hasanta	2.5	14	3	17	4520
		Ragi	Arjuna	3.5	14	3	17	1140
		Intercropping of cotton and pigeon pea	Intercropping of cotton and pigeon pea with 8:2 ratio	1.5	11	3	14	3200
		IDM in okra	YMV management in okra	2.5	12	3	15	13850
		Wilt management in brinjal	Wilt management practices	2.5	18	2	20	13100
		Intercropping of maize and cowpea	Intercropping of maize and cowpea with 2:2 ratio	1.5	13	3	16	7200
		Marigold	Seracole	2.5	6	2	8	7500
		Nutritional garden	Vegetables and fruit in backyard farming	2.5	14	3	17	18300
		IWM in cotton	Integrated weed management practices	2.5	17	4	21	4700
		IDM in cotton	Mealy bug management practices	2.5	16	3	19	9300
		Sweet corn	Sugar-75	2.5	10	1	11	39600
		Ragi	Ragi thresher cum pearler	2.5	8	2	10	6500
		Cotton	Cotton picker	10 nos.	7	3	10	40000
		Maize	Maize sheller	5 nos.	2	6	8	750
		Tota	d	36	193	47	240	178180
	Sundargarh-I	Rice	Swarna Shreya	4.5	15	7	22	12500
		Rice	CR Dhan311	5.5	21	6	27	16000
		Rice	Pratikshya	5	14	4	18	10000
		Arhar	PRG 176	3.5	15	8	23	14600
		Ragi	HYV variety <i>Arjuna</i>	4	12	7	19	12000
		IPM in Okra	Use of Spinosad 45% SC	2.5	13	7	20	8000
		Rice	Hasanta	3	11	5	16	7000
		Pisciculture	IMC practices	1.5	16	7	23	12000
		Feed management in fish pond	Use of fermented mustard cake oil + deoiled rice bran+ molasses as natural fertilizer	1.5	9	4	13	12000
		Poultry	Brooding management of Kadaknath	100 nos.	0	5	5	40000
		Nutritional garden	Improved varieties of vegetable seeds with poly tunnel	1.5	0	5	5	1500
		Apiary	Apis cerena Indica	10 boxes	10	0	10	25000
		Paddy straw Mushroom	Volvariella volvaceae in threshed straw	100 beds	0	10	10	15000
		Oyster mushroom	Hypsizygus ulmarius	100 beds	0	10	10	17000
		Vermicompost production	Eisenia foetida	10 beds	3	7	10	8000
		Short duration video show for technology dissemination	Videos on different technologies	5 nos.	35	4	39	2000
		Tota	ı	32.5	174	96	270	212600



•	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Sundargarh-II	Rice	Weed management in transplanted rice during <i>kharif</i>	2.5	10	4	14	5240
			Hasanta	2.5	9	3	12	5090
			Management of stem borer in medium land rice	2.5	10	2	12	5380
			INM in <i>Sahbhagi</i> dhan	2.5	7	2	9	6470
			Nutrient & pest management in hybrid rice	2.5	5	0	5	7280
			INM & IPDM in Naveen	2.5	5	2	7	7370
		Ragi	Arjun	2.5	9	1	10	3480
		Cauliflower	Arka microbial consortium for improvement of curd size of cauliflower	2.5	10	0	10	3900
		Marigold	Bidhan Marigold 2	2.5	10	0	10	8850
		Banana	INM in banana	2.5	10	0	10	5680
		Mango	Management of alternate bearing in mango	2.5	12	4	16	7400
		Black gram	Management of YMV in <i>kharif</i> black gram	2.5	10	0	10	4930
		Chilli	Demonstration on Integrated management of thrips in <i>rabi</i> chilli	2.5	10	0	10	5215
		Bitter gourd	IPM in melon fruit fly in <i>kharif</i> bitter gourd	2.5	10	0	10	4745
		Vegetables	Raising of vegetable seedlings	0.07	2	5	7	3080
		Cowpea	INM in cowpea	1	12	5	17	5140
		Tomato	Adoption of tomato with staking	0.5	14	4	18	4750
		Sweet corn	INM in sweet corn	1.5	4	5	9	4320
		Okra	Nutrient and pest management in okra	0.5	13	6	19	5320
		Bottle gourd	INM in bottle gourd	0.5	10	5	15	4840
		Garden pea	Demonstration of garden pea cultivation under TSP	3.5	16	5	21	15600
		Nutritional garden	Vegetables production in kitchen garden	2.5	2	18	20	5055
		Mushroom cultivation	Paddy straw mushroom	200 beds	0	20	20	7000
			Oyster mushroom	200 beds	0	20	20	7000
		Poultry production	Artificial brooding management	100 birds	0	10	10	4500
			Kadaknath	100 birds	0	10	10	4500
		Tota	al .	45.07	200	131	331	152135
	Nicobar	Okra	Arka Anamika	0.10	1	1	2	2000
		Vegetable cultivation	Kitchen gardening	0.05	0	1	1	4000
		Maize	Green cobs production	0.01	0	1	1	2000
		Poultry farming	Intensive broiler farming	50 nos.	0	1	1	15000
		Poultry farming	Nicobari fowl rearing under semi intensive system	50 nos.	0	3	3	15000
		Tota	al .	0.16	1	7	8	38000
		Sub-to	otal	242.79	1134	479	1613	1219126



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved		
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)		
2021-22	Gajapati	Crop ragi	Arjuna	5.5	9	1	10	444		
		IPM in maize	Control measures for Fall Army Worm	5.5	9	1	10	523		
		Ragi +pigeon pea	Ragi and pigeon pea cultivation	5.5	8	2	10	0		
		OUAT ragi thresher cum pearler	OUAT ragi thresher cum pearler during <i>kharif</i> season	4 nos.	1	9	10	0		
		Hand maize sheller	Octagonal hand maize sheller	4 nos.	1	9	10	0		
		Tota	ıl	16.5	28	22	50	967		
	Kandhamal	Rice	Sahabhagi	5	9	4	13	3500		
		Maize	Hybrid	8	8	6	14	23000		
		Ragi	Kalua	2.5	6	4	10	3500		
		Cabbage	Harekrisna	5	9	6	15	35210		
		Cauliflower	Snow ball	5	7	5	12	38529		
		Garden pea	GS 10	7.5	7	5	12	40256		
		Cow pea	Kashi Kachan	1	3	4	7	1256		
		Chilli	Suryamukhi	1.2	7	4	11	3500		
		Bittergourd	Sarita	1	7	4	11	3500		
		Groundnut	Smruti	2.5	6	5	11	4521		
		Niger	Utkal Niger 150	2.5	6	5	11	4521		
		Tota	I	41.2	75	52	127	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
	Malkangiri	Paddy	Hasanta	5.5	12	5	17	444 523 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
		Pigeon pea	PRG-176	6.5	11	2	13	17600		
		Rice	CLCC	5	9	2	11	16000		
		Tomato	Arka Samrat	5	9	3	12	13200		
		Finger millet	Arjun	5.5	10	3	13	15000		
		Sesame	GT-10	7.5	10	3	13	30000		
		Oyster mushroom	P. Sajarcaju	100 nos.	0	10	10	6000		
		Maize	Sugar 75	6.5	10	5	15	23500		
		Brinjal	Bluestar	5	10	5	15	10300		
		Poultry	Kadaknath	500 nos.	0	25	25	80000		
		Mahua	Mahua	1.5	1	8	9	75900		
		Ragi thresher	Popularization of ragi thresher	20 nos.	0	10	10	3200		
		Fish	Rohu, Catla, Mrigal	2	7	5	12	23150		
		Tota	d	50	89	86	175	340000		
	Mayurbhanj-I	Tomato	Arka Rakshak	2.5	10	0	10	12500		
		Groundnut	Dharaini	2.5	10	0	10	6751		
		Blackgram	IPU 2-43	2.5	10	0	10	5800		
		Paddy	IDM in rice	2.5	10	0	10	8500		
		Arhar	IDM in arhar	2.5	10	0	10	7500		
			NRRI paddy parboiling drum	10 nos.	0	10	10			
		Tomato to avoid distress sale	Preparation of tomato powder	10 nos.	2	2	4	2500		



ir	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
		Mango	Mango leather in Solar cabinet dryer	10 nos.	0	10	10	1500
		Mushroom	Scrambled paddy straw as substrate for Paddy straw mushroom cultivation	10 nos.	0	10	10	5200
		Nutritional garden for improving nutritional security of farm family	Production of different vegetables and fruits	1.5	0	10	10	2571
		Tota	ıl	14	52	42	94	57322
	Mayurbhanj-II	Maize	Kalinga Raj	10	31	15	46	39200
		Mustard	Tapeswari	3	12	7	19	14600
		Tomato	Arka Rakshak	2.5	17	8	25	13500
		Sweet Potato	Kishan	2.5	7	9	16	9600
		Mushroom	Paddy straw mushroom	100 beds	3	9	12	8700
		Mushroom	Oyster mushroom	100 beds	1	9	10	9200
		Tota	ıl	18	71	57	128	94800
	Nabarangpur	Weed management in maize	Weed management practices	1	7	2	9	2000
		Rice	CR Dhan 202	2	7	3	10	4000
		Weed management in black gram	Weed management practices	1	5	5	10	2000
		IPM in rice	Pest management practices	2	11	9	20	6000
		IDM in rice	Disease management practices	1	6	4	10	3000
		Tomato	Arka Rakshyak	1	6	4	10	4000
		Onion	Line 883	1	6	5	11	4000
		Mushroom	Paddy straw mushroom cultivation technology	100 beds	0	10	10	4000
		INM in maize	Nutrient management practices	1	6	7	13	3000
		INM in red gram	Nutrient management practices	1	5	5	10	2000
		INM in green gram	Nutrient management practices	2	7	4	11	3000
		IPM in chilli	Pest management practices	1	7	4	11	3000
		INM in black gram	Nutrient management practices	1	7	5	12	2000
		INM in maize	Nutrient management practices	1	7	4	11	3000
		Tota	ıl	16	87	71	158	45000
	Rayagada	Rice	Swarna Shreya	1.5	10	4	14	2500
		Rice	Hasanta	1.5	13	4	17	2500
		IDM in brinjal	Wilt complex management practices	0.5	9	3	12	13300
		IDM in okra	YMV management practices	1	6	4	10	14200
		IPM in cashew	Tea mosquito bug management practices	1.5	11	5	16	11500
		Mango	Fruit fly management practices	1.5	12	4	16	17800
		Honey bee	Scientific beekeeping	10 boxes	8	5	13	40000
		Paddy straw mushroom	Paddy straw mushroom with scrambled straw	1.5	1	9	10	5000
		Oyster mushroom	Pleurotus pulmorius	0.5	2	8	10	3000
		Nutritional garden	Vegetable production practices under backyard farming	0.5	0	10	10	20000



ar	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefit farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
		Mechanized ragi thresher-cum-pearler	Use of power operated OUAT ragi thresher-cum-pearler	1.5	0	10	10	7000
		Drudgery reduction for women farmers	Use of portable cotton picker	1.5	2	8	10	40000
		Tota	ıl	13	74	74	148	176800
	Sundargarh-I	Rice	Pratikshya	5	8	0	8	12000
		Ragi	HYV Arjuna	5	8	2	10	5000
		Maize	Hybrid Kalinga Raj	5	7	1	8	14000
		Arhar	PRG 176	5	8	0	8	18200
		INM in tomato	Nutrient management practices in Arka Rakshak variety	2.5	8	0	8	15000
		INM in brinjal	Nutrient management practices in <i>Bluestar</i> variety	2.5	9	1	10	8000
		Banana	G 9	5	8	0	8	12000
		Poultry	BroodingmanagementofSonalistrain	200 nos.	5	5	10	80000
		Pisciculture	Yearling production of IMC in seasonal ponds	5 units	5	0	5	15000
		Oyster mushroom	H. ulmarius	100 beds	0	10	10	9600
		Paddy straw mushroom	V. volvacea using threshed straw	100 beds	0	10	10	8000
		Nutritional garden for	Backyard vegetable production through polytunnel	0.5	0	5	5	12600
		Vermicomposting	Eisenia foetida	5 tanks	7	4	11	11500
		Apiary	Scientific rearing of Apis cerena Indica	10 boxes	10	0	10	15000
		Tomato	Long term preservation techniques of Arka Rakshak variety	0.4	0	5	5	12000
		Tota	ıl	30.9	83	43	126	247900
	Sundargarh-II	Rice	BPH tolerant variety <i>Hasanta</i>	2.5	7	2	9	25140
		Ragi	INM in ragi	1.5	2	5	7	18900
		Mustard	INM in mustard	1	7	1	8	18700
		Nutritional garden	Vegetable production in backyard kitchen garden	2.5	2	17	19	17925
		Chilli	INM in chilli	1	4	4	8	16560
		Mango	Management of alternate bearing in mango	1	7	3	10	15150
		Banana	INM in banana	1	7	2	9	10570
		Bottlegourd	INM in bottle gourd	0.5	5	2	7	13780
		Marigold	Management of mites in marigold	0.5	0	5	5	14840
		Tomato	Leaf curl disease management in tomato	1	7	1	8	14200
		Chilli	Integrated management of thrips in rabi chilli	1	5	2	7	12000
		Tomato	Management of blossom end rot in tomato	0.5	5	1	6	15680
		Maize	Kalinga Raj	8	12	5	17	48000
		Garden pea	Hybrid variety garden pea cultivation	9	12	6	18	22300
		Poultry rearing	Kadaknath	10 units	0	10	10	10000



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Nicobar	Crop diversification	Protected cultivation	0.05	4	2	6	20000
		Nutri-garden	Vegetables cultivation under backyard	0.15	4	2	Involved (Rs.)   Invo	
		Bio-control of pests and diseases	Use of biocapsule	0.1	4	0	4	2000
		Bio-control of pests and diseases	CIARI Bio Consortia	0.1	1	1	2	20000
		Pig farming	Nicobari Pig	5 nos.	0	2	2	15000
		Goat farming	<i>Teressa</i> goat farming under semi-intensive system	5 nos.	0	2	2	15000
		Tota	i e	0.4	13	9	22	76000
		Sub-to	otal	231.00	654	522	1176	1473827
2022-23	Gajapati	Groundnut	Herbicides for weed management in groundnut (pre-emergence)	2.5	21	14	35	2900
		Sesame	INM in Sesame	2.5	19	11	30	2500
		Single row vegetable transplanter	Use of single row vegetable transplanter	5	31	21	52	0
		Drudgery reduction	Mini dryland power weeder	5	26	19	45	0
		Tota	ıl	15	97	65	162	5400
	Kandhamal	Finger Millet	Kalua	5.5	35	23	58	59259
		Rice	Lalata	5.5	33	21	54	60000
		Onion	Arka Niketan	6.5	45	29	29 74 60	60000
		Tota	l	17.5	113	186	179259	
	Malkangiri	Rice	Hasanta					
		Rice	Hasanta	5	9	1	10	12000
		Pigeon pea	PRG-176	3.5	8	1	9	13000
		Rice	Nua Kalageera	3.5	7	1	8	12000
		Tomato	Arka Samrat	2.5	7	1	8	11000
		Finger millet	Arjun	2.5	8	1	9	10000
		Sesame	Smarak	2.5	7	1	8	16000
		Ducks	White Pekin	0	0	10	10	14000
		Mushroom	V. Volvacea	20 beds	0	2	2	6000
		Maize	Kalingaraj	4	6	3	9	10000
		Brinjal	Hybrid	0	9	2	11	6000
		Poultry	Kadaknath	200 nos.	2	8	10	40000
		Mahua	Mahua processing	0	3	7		5000
		Ragi	Ragi Thresher	20 nos.	0	20	20	
		Fish	Gift Tilapia	2	8	1	9	15000
		Fish	Jayanta Rohu	1.5	8	3	11	15000
		Fish	Desi Magur	1.5	8	3	11	21000
		Fish	IMC	1	6	4	10	30000
		Tota	ıl	29.5	96	69	165	249000



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Mayurbhanj-I	CRIJAF cycle weeder in ragi	CRIJAF cycle weeder	5	34	24	58	0
		Tomato	Ridge and furrow irrigation with organic mulching in tomato	5	28	21	49	12000
		Bullock drawn CIAE four row seed drill for sowing mustard	Bullock drawn CIAE four row seed drill	3	14	11	25	0
		Wetting and drying method of irrigation in puddled rice	Alternate wetting and drying method of irrigation	3	8	4	12	0
		Tota	ıl	16	84	60	144	12000
	Mayurbhanj-II	Mushroom	Volvarila volvacea and Pleurotus sajorcaju	100 beds	0	5	5	7000
		Poultry	Aseel	100 nos.	0	5	5	40000
		Marigold	Bidhan 1 and Bidhan II	2	8	6	14	12000
		Papaya	Papaya cultivation with different vegetables	1.5	28	4	32	25600
		IDM in vegetables	Single line trellis system in bitter gourd	0.4	10	1	11	13240
			Management of bacterial wilt in tomato	2.5	10	0	10	3059
		IPM in vegetables	Management of red spider mite in brinjal	2.5	10	0	10	8750
		Cultivation of mushroom	Oyster mushroom (Hysipigygus ulmarius)	100 nos.	0	5	5	3800
		Jackfruit	Value addition	1kg	0	5	5	2300
		Nutri-garden	Cultivation of vegetables under backyard system	0.4	0	5	5	8640
		Ragi	Use of CRIJAF weeder	2.5	10	0	10	1500
		Seed drill equipment	Use of bullock drawn CIAE three row seed drill	1.5	10	0	10	1500
		IDM in brinjal	Practicing single line trellis system in brinjal	0.4	3	7	10	5600
		Maize	Kalingraj	1.5	2	4	6	25900
		Tomato	Value addition	50 kg	0	6	6	1000
		Manual maize sheller	Use of flexible maize sheller	5 nos.	0	6	6	6400
		Tota	ıl	15.2	91	59	150	166289
	Nabarangpur	Maize	Pioneer	8	25	5	30	13750
		Direct seeded rice	Bharati	2.5	21	5	26	11500
		Rice	MTU 1010	2.5	10	5	15	7800
		Rice	MTU 1010	3.5	10	4	14	6150
		Rice	Kaveri	2.5	10	4	14	7500
		Maize	Pioneer	2.5	8	5	13	5500
		Arahar	PRG-176	1.5	9	2	11	5000
		Groundnut	Dharani	2.5	10	4	14	12350
		Black gram	INM in PU-31	2.5	10	2	12	7450
		Maize	INM in <i>DKC 9126</i>	2.5	10	3	13	14250



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefit farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
		Kharif onion	Line 883	2.5	0	10	10	7850
		Paddy straw mushroom	OSM-12	2	0	10	10	3000
		Bio-fortified sweet potato	Bhu Sona, Bhu Krishna	2	0	10	10	6350
		Tota	l	37	123	69	192	108450
	Rayagada	Rice	Santha Bhima (CR Dhan 102)	2	14	2	16	4200
		Rice	Sheath blight management in rice	2	17	1	18	12580
		Pigeon pea	Pod borer management in pigeon pea	2	14	1	15	25000
		Tomato	Arka Samrat	2	16	2	18	5386
		Maize	Management of fall armyworm (Spodoptera frugiperda)	2	14	1	15	16480
		Bitter gourd	Fruit fly management	2	12	3	15	12020
		Paddy straw mushroom	Production of paddy straw mushroom with scrambled straw	50 beds	0	5	5	1650
		Oyster mushroom in winter	Pleurotus pulmonarius	100 beds	0	10	10	2500
		Nutritional garden	Cultivation practices of vegetables and fruits in backyard	1	0	8	8	19750
		Drudgery reduction	Groundnut decorticator	2 nos.	4	6	10	5500
		Bullock drawn puddler	Use of bullock drawn puddler	2 nos.	0	8	8	3750
		Mini dry land power weeder in maize	Mini dry land power weeder	2 nos.	0	8	8	4200
		Single row vegetable transplanter	Single row vegetable transplanter	2	9	3	12	22000
		Fruit harvester	Fruit harvester	2 nos.	7	3	10	7000
		Tota	ıl	15	107	61	168	142016
	Sundargarh-I	Rice	Pratikshya	5.5	10	0	10	25000
		Maize	Kalinga Raj	5	18	10	28	28000
		Ground nut	Devi	4.5	10	2	12	25000
		Tomato	Utkal Kumari	4.5	9	2	11	24000
		Brinjal	F1 Hybrid Syngenta	4.5	10	2	12	18000
		Banana	Bantal	5.5	10	0	10	32000
		Pisciculture	IMC	5 nos.	5	2	7	20000
		Oyster mushroom	Oyster mushroom	100 bag	0	10	10	12000
		Paddy mushroom	Paddy straw mushroom	100 beds	0	20	20	14000
		Vermicomposting	Eisenia foetida	20 tanks	10	0	10	10000
		Honey bee	Apis cerena indica	10 boxes	6	4	10	10000
		Crop	Nutrigarden	0.5	0	12	12	15200
		Poultry	Kadaknath	50 nos.	0	5	5	20000
		Machinery	Power sprayer	20 nos.	0	20	20	80000
		Video showing	Short videos on technology adoption	5 nos.	21	0	21	0
		Tota	ı	30	109	89	198	333200



Year	Name of KVK	Demonstrations on	Details of demonstrations/varieties or breeds or strains demonstrated	Area of demonstration	No.	of benefi farmers	tted	Total cost involved
				(Ac)/ Livestock unit size (No.)	Male	Female	Total	(Rs.)
	Sundargarh- II	Groundnut	Weed management in <i>kharif</i> groundnut	2.5	6	4	10	8320
		Maize	Integrated management of FAW	2.5	7	3	10	7340
		Rice	Integrated management of BLB	2.5	7	3	10	7920
		Mango	Integrated management of mango hopper	2.5	8	2	10	6870
		Marigold	Integrated management of mites	2.5	5	4	9	7380
		Cowpea	Kashi Nidhi	4	10	1	11	3640
		Bitter gourd	Nutrient management	2.5	10	0	10	6970
		Mango	Management of alternate bearing	2.5	7	3	10	7320
		Tomato	Production under staking	1	10	2	12	6540
		Poultry	Artificial brooding management	200 nos.	1	10	11	9800
		ICT	short duration videos showing	0	20	8	28	2200
		Black gram	PU-10-23	2.5	12	5	17	7300
		Field pea	Pant B-243	2.5	14	4	18	7700
		Groundnut	GJG-32	2.5	11	6	17	12000
		Garden pea	Garden pea	2.5	12	5	17	7400
		Poultry	Kadaknath	200 nos.	0	20	20	60000
		Maize	Kalinga Raj	2.5	14	11	25	11000
		Nutri-garden	Cultivation of vegetables in backyard	1	0	17	17	8960
		Mushroom	Paddy straw mushroom	1.5	0	12	12	7300
		Tota	al	37.5	154	120	274	195960
	Nicobar	Tomato	Arka Rakshak	0.05	15	7	22	2000
		Okra	Kashi Lalima	0.06	16	9	25	2000
		Okra	Arka Nikitha	0.12	13	4	17	2000
		Brinjal	Pusa B5	0.05	18	8	26	2000
		Nutri-garden	Vegetable cultivation in backyard	0.2	3	9	12	4000
		Protected cultivation	Use of rain shelter	0.02	8	2	10	20000
		Tota	al	0.5	73	39	112	32000
	Sub-total			213.2	1047	704	1751	1423574
		Grand	total	1502.86	6854	4256	11110	7675989









## 5.1.4 Details of training

Tribal farmers of different districts were trained by the scientists and staff of respective KVKs through organizing on-campus and off-campus training programmes on various agri-operations for improving their skill and scientific knowledge. The KVKs also conducted various hands-on-trainings for the farmers.



#### 5.1.4.1 Training of farmers/farm women and rural youth

The year-wise details of number of training programmes conducted by different KVKs of this zone and number of beneficiaries including farmer/farm women and rural youth during the period of six years have been shown in the table given below.

Table: Details of farmers, farm women and rural youth trained by KVKs during the year 2017-18 to 2022-23

Year	Name of KVK	F	armers and	farm women		Rural youth				
		No. of	No. of k	eneficiaries	(Lakh)	No. of	No. of b	eneficiaries	(Lakh)	
		programme conducted	Male	Female	Total	programme conducted	Male	Female	Total	
2017-18	Gajapati	34	0.00763	0.00231	0.00994	10	0.00195	0.00085	0.00280	
	Kandhamal	33	0.00719	0.00238	0.00957	16	0.00310	0.00131	0.00441	
	Malkangiri	34	0.00684	0.00297	0.00981	14	0.00256	0.00149	0.00405	
	Mayurbhanj-l	31	0.00578	0.00293	0.00871	15	0.00297	0.00124	0.00421	
	Mayurbhanj-II	42	0.00480	0.00689	0.01169	16	0.00247	0.00178	0.00425	
	Nabarangapur	37	0.00687	0.00349	0.01036	23	0.00445	0.00199	0.00644	
	Rayagada	63	0.01023	0.00552	0.01575	23	0.00433	0.00207	0.00640	
	Sundargarh-I	46	0.00753	0.00412	0.01165	38	0.00553	0.00412	0.00965	
	Sundargarh-II	46	0.00580	0.00701	0.01281	21	0.00411	0.00165	0.00576	
	Nicobar	12	0.00225	0.00161	0.00386	10	0.00141	0.00113	0.00254	
9	Sub-total	378	0.06492	0.03923	0.10415	186	0.03288	0.01763	0.05051	
2018-19	Gajapati	34	0.00585	0.00315	0.00900	12	0.00273	0.00104	0.00377	
	Kandhamal	41	0.00795	0.00435	0.01230	21	0.00410	0.00162	0.00572	
	Malkangiri	38	0.00815	0.00325	0.01140	20	0.00335	0.00196	0.00531	
	Mayurbhanj-l	35	0.00552	0.00392	0.00944	15	0.00306	0.00127	0.00433	
	Mayurbhanj-II	36	0.00628	0.00457	0.01085	15	0.00328	0.00112	0.00440	
	Nabarangapur	44	0.00778	0.00457	0.01235	23	0.00405	0.00250	0.00655	
	Rayagada	68	0.01118	0.00582	0.01700	27	0.00586	0.00192	0.00778	
	Sundargarh-I	45	0.00797	0.00501	0.01298	33	0.00535	0.00351	0.00886	
	Sundargarh-II	47	0.00612	0.00563	0.01175	17	0.00384	0.00119	0.00503	
	Nicobar	11	0.00213	0.00138	0.00351	10	0.00182	0.00085	0.00267	
S	Sub-total	399	0.06893	0.04165	0.11058	193	0.03744	0.01698	0.05442	
2019-20	Gajapati	44	0.00828	0.00454	0.01282	14	0.00310	0.00101	0.00411	
	Kandhamal	53	0.01059	0.00477	0.01536	24	0.00494	0.00213	0.00707	
	Malkangiri	51	0.00997	0.00523	0.01520	26	0.00459	0.00243	0.00702	
	Mayurbhanj-l	31	0.00621	0.00309	0.0093	21	0.00364	0.00213	0.00577	
	Mayurbhanj-II	33	0.00489	0.00537	0.01026	19	0.00377	0.00192	0.00569	
	Nabarangapur	50	0.00817	0.00632	0.01449	26	0.00565	0.00175	0.00740	
	Rayagada	81	0.01324	0.00824	0.02148	33	0.00606	0.00371	0.00977	
	Sundargarh-I	44	0.00571	0.00796	0.01367	24	0.00199	0.00399	0.00598	
	Sundargarh-II	59	0.00878	0.00598	0.01476	21	0.00473	0.00147	0.00620	
	Nicobar	12	0.00191	0.00121	0.00312	2	0.00024	0.00012	0.00036	
5	Sub-total	458	0.07775	0.05271	0.13046	210	0.03871	0.02066	0.05937	



Year	Name of KVK	F	armers and	farm women			Rural youth			
		No. of	No. of L	peneficiaries	(Lakh)	No. of	No. of L	peneficiaries	(Lakh)	
		programme conducted	Male	Female	Total	programme conducted	Male	Female	Total	
2020-21	Gajapati	29	0.00312	0.00420	0.00732	13	0.00186	0.00049	0.00235	
	Kandhamal	20	0.00345	0.00190	0.00535	9	0.00129	0.00037	0.00166	
	Malkangiri	13	0.00232	0.00143	0.00375	5	0.00089	0.00032	0.00121	
	Mayurbhanj-l	25	0.00539	0.00206	0.00745	9	0.00141	0.00036	0.00177	
	Mayurbhanj-II	19	0.00260	0.00305	0.00565	4	0.00065	0.00028	0.00093	
	Nabarangapur	24	0.00306	0.00324	0.00630	7	0.00147	0.00031	0.00178	
	Rayagada	47	0.00817	0.00548	0.01365	9	0.0017	0.00052	0.00222	
	Sundargarh-I	11	0.00061	0.00230	0.00291	24	0.00241	0.00365	0.00606	
	Sundargarh-II	30	0.00397	0.00458	0.00855	7	0.00123	0.00047	0.00170	
	Nicobar	5	0.00062	0.00038	0.00100	6	0.00067	0.00036	0.00103	
	Sub-total	223	0.03331	0.02862	0.06193	93	0.01358	0.00713	0.02071	
2021-22	Gajapati	14	0.00219	0.00131	0.00350	3	0.00056	0.00014	0.00070	
	Kandhamal	41	0.00549	0.00492	0.01041	5	0.00075	0.00009	0.00084	
	Malkangiri	28	0.00605	0.00225	0.00830	4	0.00081	0.00019	0.00100	
	Mayurbhanj-l	30	0.00448	0.00302	0.00750	14	0.00162	0.00065	0.00227	
	Mayurbhanj-II	35	0.00437	0.00608	0.01045	6	0.00057	0.00033	0.00090	
	Nabarangapur	60	0.00901	0.00584	0.01485	20	0.00240	0.00060	0.00300	
	Rayagada	48	0.00737	0.00563	0.01300	16	0.00237	0.00163	0.00400	
	Sundargarh-I	31	0.00354	0.00556	0.00910	28	0.00254	0.00456	0.00710	
	Sundargarh-II	50	0.00732	0.00547	0.01279	8	0.00073	0.00047	0.00120	
	Nicobar	14	0.00219	0.00131	0.00350	3	0.00056	0.00014	0.00070	
9	Sub-total	342	0.05038	0.04114	0.09152	106	0.01257	0.00875	0.02132	
2022-23	Gajapati	14	0.00221	0.00129	0.00350	5	0.00054	0.00006	0.00060	
	Kandhamal	24	0.00130	0.00470	0.00600	4	0.00025	0.00060	0.00085	
	Malkangiri	48	0.00878	0.00197	0.01075	4	0.00044	0.00036	0.00080	
	Mayurbhanj-l	29	0.00379	0.00379	0.00758	16	0.00250	0.00148	0.00398	
	Mayurbhanj-II	34	0.00422	0.00578	0.01000	13	0.00182	0.00107	0.00289	
	Nabarangapur	55	0.00943	0.00412	0.01355	20	0.00240	0.00060	0.00300	
	Rayagada	55	0.00776	0.00599	0.01375	14	0.00254	0.00076	0.00330	
	Sundargarh-I	35	0.00402	0.00549	0.00951	4	0.00048	0.00068	0.00116	
	Sundargarh-II	50	0.00616	0.00664	0.01280	8	0.00099	0.00051	0.00150	
	Nicobar	25	0.00645	0.00320	0.00965	2	0.00024	0.00009	0.00033	
5	Sub-total	369	0.05412	0.04297	0.09709	90	0.0122	0.00621	0.01841	
	Total	2169	0.34941	0.24632	0.59573	878	0.14738	0.07736	0.22474	









































#### 5.1.4.2 Training of extension personnel

Training of extension personnel plays important role in disseminating technology very quickly among the farmers at every nook and corner of the district. The total number of training programmes conducted by the KVKs under ICAR-ATARI Kolkata and number of benefitted farmers in different years have been presented in the table as under.

Table: Details of extension personnel trained by the KVKs under TSP/STC during the year 2017-18 to 2022-23

Year	Name of KVK		Extension person	nnel trained	
		No. of programme	No.	of beneficiaries (Lak	h)
		conducted	Male	Female	Total
2017-18	Gajapati	7	0.00137	0.00035	0.00172
	Kandhamal	8	0.00147	0.00052	0.00199
	Malkangiri	9	0.00138	0.00055	0.00193
	Mayurbhanj-l	7	0.00097	0.00054	0.00151
	Mayurbhanj-II	12	0.00168	0.00058	0.00226
	Nabarangapur	11	0.00182	0.00071	0.00253
	Rayagada	12	0.00204	0.00074	0.00278
	Sundargarh-l	12	0.00097	0.00181	0.00278
	Sundargarh-II	8	0.00125	0.00065	0.00190
	Nicobar	7	0.00137	0.00035	0.00172
	Sub-total	89	0.01335	0.00659	0.01994
2018-19	Gajapati	5	0.00082	0.00041	0.00123
	Kandhamal	8	0.00109	0.00056	0.00165
	Malkangiri	9	0.00134	0.00021	0.00155
	Mayurbhanj-I	6	0.00093	0.00018	0.00111
	Mayurbhanj-II	8	0.00111	0.00043	0.00154
	Nabarangapur	12	0.00168	0.00087	0.00255
	Rayagada	12	0.00172	0.00098	0.00270
	Sundargarh-I	11	0.00089	0.00174	0.00263
	Sundargarh-II	9	0.00137	0.00069	0.00206
	Nicobar	2	0.00022	0.00080	0.00102
	Sub-total	82	0.01117	0.00687	0.01804
2019-20	Gajapati	6	0.00082	0.00024	0.00106
	Kandhamal	7	0.00098	0.00061	0.00159
	Malkangiri	7	0.00084	0.00066	0.00150
	Mayurbhanj-l	5	0.00078	0.00044	0.00122
	Mayurbhanj-II	9	0.00119	0.00098	0.00217
	Nabarangapur	11	0.00164	0.00078	0.00242
	Rayagada	10	0.00136	0.00089	0.00225
	Sundargarh-I	6	0.00092	0.00041	0.00133
	Sundargarh-II	7	0.00074	0.00035	0.00109



Year	Name of KVK	Extension personnel trained					
		No. of programme	No. o	of beneficiaries (Lak	h)		
		conducted	Male	Female	Total		
	Nicobar	2	0.00019	0.00009	0.00028		
	Sub-total	70	0.00946	0.00545	0.01491		
2020-21	Gajapati	2	0.00033	0.00012	0.00045		
	Kandhamal	3	0.00031	0.00011	0.00042		
	Malkangiri	2	0.00024	0.00009	0.00033		
	Mayurbhanj-I	3	0.00034	0.00012	0.00046		
	Mayurbhanj-II	3	0.00047	0.00023	0.00070		
	Nabarangapur	6	0.00050	0.00014	0.00064		
	Rayagada	4	0.00047	0.00021	0.00068		
	Sundargarh-l	5	0.00025	0.00045	0.00070		
	Sundargarh-II	5	0.00037	0.00013	0.00050		
	Nicobar	1	0.00009	0.00004	0.00013		
	Sub-total	34	0.00337	0.00164	0.00501		
2021-22	Gajapati	2	0.00038	0.00012	0.0005		
	Kandhamal	4	0.00073	0.00023	0.00096		
	Malkangiri	3	0.00045	0.00011	0.00056		
	Mayurbhanj-l	4	0.00063	0.00033	0.00096		
	Mayurbhanj-II	6	0.00098	0.00094	0.00192		
	Nabarangapur	8	0.00161	0.00039	0.002		
	Rayagada	3	0.00069	0.00017	0.00086		
	Sundargarh-l	4	0.00024	0.00072	0.00096		
	Sundargarh-II	4	0.00074	0.00031	0.00105		
	Nicobar	2	0.00016	0.00007	0.00023		
	Sub-total	39	0.00661	0.00339	0.01000		
2022-23	Gajapati	2	0.00034	0.00010	0.00044		
	Kandhamal	2	0.00015	0.00015	0.00030		
	Malkangiri	4	0.00050	0.00025	0.00075		
	Mayurbhanj-I	6	0.00102	0.00045	0.00147		
	Mayurbhanj-II	7	0.00126	0.00049	0.00175		
	Nabarangapur	5	0.00080	0.00018	0.00098		
	Rayagada	5	0.00075	0.00041	0.00116		
	Sundargarh-l	5	0.00060	0.00050	0.00110		
	Sundargarh-II	4	0.00058	0.00017	0.00075		
	Nicobar	1	0.00010	0.00004	0.00014		
	Sub-total	41	0.00610	0.00274	0.00884		
	Total	355	0.05006	0.02668	0.07674		

## 5.1.5 Participants in extension activities

The KVKs of this zone conducted various extension activities viz. field day, kisan mela, kisan gosthi, exhibition, film show, workshop, farmers' seminar, exposure visit, field visit, ex-trainee sammelan etc. for the tribal farmers during the period under report. Total number of such programmes along with details of participants have been depicted in the following table.

Table: Details of participants in different extension activities during the year 2017-18 to 2022-23

Year	Name of KVK	Pa	rticipants in exten	sion activities	
		No. of programme	No.	of beneficiaries (L	akh)
		conducted	Male	Female	Total
2017-18	Gajapati	136	0.04327	0.01827	0.06154
	Kandhamal	180	0.06429	0.01294	0.07723
	Malkangiri	114	0.03659	0.00998	0.04657
	Mayurbhanj-l	194	0.06755	0.03716	0.10471
	Mayurbhanj-II	161	0.05089	0.02648	0.07737
	Nabarangapur	126	0.03557	0.02127	0.05684
	Rayagada	267	0.06539	0.02831	0.09370
	Sundargarh-l	109	0.03483	0.01115	0.04598
	Sundargarh-II	59	0.01809	0.00549	0.02358
	Nicobar	136	0.04327	0.01827	0.06154
	Sub-total	1440	0.43982	0.18690	0.62672
2018-19	Gajapati	128	0.04184	0.01560	0.05744
	Kandhamal	158	0.04895	0.01152	0.06047
	Malkangiri	167	0.04571	0.01343	0.05914
	Mayurbhanj-l	129	0.03912	0.01567	0.05479
	Mayurbhanj-II	116	0.03268	0.01820	0.05088
	Nabarangapur	167	0.06311	0.02112	0.08423
	Rayagada	285	0.08633	0.05462	0.14095
	Sundargarh-l	186	0.04434	0.02408	0.06842
	Sundargarh-II	84	0.02064	0.01428	0.03492
	Nicobar	66	0.01118	0.00673	0.01791
	Sub-total	1486	0.4339	0.19525	0.62915
2019-20	Gajapati	192	0.06440	0.02603	0.09043
	Kandhamal	67	0.01250	0.01000	0.02250
	Malkangiri	184	0.05601	0.02025	0.07626
	Mayurbhanj-l	166	0.04385	0.02505	0.06890
	Mayurbhanj-II	139	0.02753	0.04780	0.07533
	Nabarangapur	96	0.01801	0.01057	0.02858
	Rayagada	247	0.07967	0.03885	0.11852
	Sundargarh-l	234	0.06150	0.03003	0.09153
	Sundargarh-II	42	0.00789	0.00649	0.01438



Year	Name of KVK	Pa	rticipants in exten	sion activities	
		No. of programme	No.	of beneficiaries (L	akh)
		conducted	Male	Female	Total
	Nicobar	54	0.01012	0.00669	0.01681
	Sub-total	1421	0.38148	0.22176	0.60324
2020-21	Gajapati	141	0.02306	0.01067	0.03373
	Kandhamal	68	0.01452	0.00732	0.02184
	Malkangiri	145	0.02350	0.01081	0.03431
	Mayurbhanj-l	117	0.01478	0.01045	0.02523
	Mayurbhanj-II	53	0.01686	0.01059	0.02745
	Nabarangapur	93	0.03233	0.01338	0.04571
	Rayagada	174	0.03618	0.01551	0.05169
	Sundargarh-l	242	0.03670	0.01195	0.04865
	Sundargarh-II	53	0.00778	0.00784	0.01562
	Nicobar	95	0.01163	0.00877	0.02040
	Sub-total	1181	0.21734	0.10729	0.32463
2021-22	Gajapati	237	0.03991	0.01481	0.05472
	Kandhamal	258	0.03829	0.01711	0.0554
	Malkangiri	246	0.03952	0.01230	0.05182
	Mayurbhanj-l	241	0.04271	0.01604	0.05875
	Mayurbhanj-II	132	0.02730	0.01523	0.04253
	Nabarangapur	210	0.04075	0.01278	0.05353
	Rayagada	238	0.03814	0.01440	0.05254
	Sundargarh-l	121	0.02009	0.00841	0.0285
	Sundargarh-II	47	0.00603	0.00527	0.0113
	Nicobar	73	0.01242	0.00722	0.01964
	Sub-total	1803	0.30516	0.12357	0.42873
2022-23	Gajapati	122	0.03030	0.01120	0.04150
	Kandhamal	57	0.00750	0.0100	0.01750
	Malkangiri	131	0.02952	0.01530	0.04482
	Mayurbhanj-l	101	0.02199	0.01541	0.03740
	Mayurbhanj-II	94	0.01412	0.01589	0.03001
	Nabarangapur	128	0.03582	0.01041	0.04623
	Rayagada	145	0.03836	0.01208	0.05044
	Sundargarh-l	132	0.03270	0.01484	0.04754
	Sundargarh-II	125	0.01411	0.01700	0.03111
	Nicobar	26	0.0032	0.00195	0.00515
	Sub-total	1061	0.22762	0.12408	0.35170
	Total	8392	2.00532	0.95885	2.96417



















# 5.1.6 Seed production

The KVKs of this zone dealt with TSP/STC not only guided the farmers to produce various crop seeds at farmers' field but also they produced quality seeds in the KVK campuses. Those quality seeds were supplied to the farmers in their respective districts either free of cost or sometimes with nominal cost. The details of seed production by the KVKs and number of benefitted farmers in different years during the period have been given in the table.

Table: Details of seed production by the KVKs and benefitted farmers during the year 2017-18 to 2022-23

Year	Name of KVK	Name of seed(s) produced	Quantity (qt)	No. of farmers (Lakh)
2017-18	Kandhamal	Mustard	2.10	0.00200
		Niger	4.20	
		Turmeric	140.0	
	Malkangiri	Rice ( <i>MTU-1001</i> ) FS	52.60	0.02182
		Sesamum ( <i>Uma</i> )	2.00	
	Mayurbhanj-l	Rice	490.0	0.03210



Year	Name of KVK	Name of seed(s) produced	Quantity (qt)	No. of farmers (Lakh)
	Mayurbhanj-II	Pratikhya	31.40	0.00122
		Tejaswini	11.00	
		Lalata	8.60	
		DRR-42	5.20	
	Nabarangapur	Rice	52.20	0.00143
		Black gram	8.00	
	Rayagada	Rice	131.6	0.00178
		Pigeon pea	3.30	
		Sunhemp	1.00	
	Sundargarh-l	Rice	39.40	0.00232
	Sub-total		982.60	0.06267
2018-19	Kandhamal	Mustard	7.00	0.0041
		Niger	2.10	
		Turmeric	112.00	
	Malkangiri	Rice ( <i>MTU-1001</i> ) FS	75.00	0.0035
	Mayurbhanj-l	Rice	406.40	0.0039
	Mayurbhanj-II	Pratikhya	76.00	0.00465
		Naveen	23.00	
		Pigeon pea ( <i>PGR 176</i> )	0.80	
		Toria (Anuradha)	1.50	
		Sweet corn (Sugar 75)	1.30	
		Maize ( <i>P-3401</i> )	8.00	
		Dhaincha (local)	0.80	
	Nabarangapur	Rice	52.30	0.00189
		Arhar	14.80	
	Rayagada	Rice	109.60	0.00237
	Sundargarh-l	Rice	26.50	0.00168
	Sub-total		917.10	0.02209
2019-20	Kandhamal	Mustard	4.90	0.0075
		Niger	3.20	
		Turmeric	221.00	
	Malkangiri	Rice ( <i>MTU-1001</i> ) FS	22.00	0.00165
	Mayurbhanj-l	Rice	452.80	0.00345
	Mayurbhanj-II	Pratikhya	45.00	0.00322
		Manaswani	22.30	
		Pigeonp pea ( <i>Maruti</i> )	0.28	
		Toria (Anuradha)	0.60	
		Sweet corn (Sugar 75)	1.40	



Year	Name of KVK	Name of seed(s) produced	Quantity (qt)	No. of farmers (Lakh)
		Maize ( <i>VNR</i> )	8.00	
		Dhaincha (local)	0.32	
	Nabarangapur	Rice	35.20	0.00185
		Arhar	6.00	
		Niger	5.00	
	Rayagada	Rice	52.80	0.00116
	Sundargarh-l	Rice	24.20	0.00122
	Sub-total		905.00	0.02005
2020-21	Kandhamal	Mustard	8.70	0.00329
		Niger	6.30	
		Turmeric	137.50	
	Malkangiri	Rice ( <i>MTU-1001</i> ) FS	106.00	0.00127
		Green gram (IPM 02-14)	2.20	
	Mayurbhanj-l	Rice	604.00	0.00415
	Mayurbhanj-II	Pratikhya	122.40	0.00238
	Nabarangapur	Rice	52.80	0.00235
		Niger	6.20	
	Rayagada	Rice	95.80	0.0033
		Ragi	2.60	
		Pigeon pea	6.50	
	Sundargarh-I	Rice	42.00	0.00125
	Sundargarh-II	Ragi ( <i>Arjuna</i> )	14.10	0.00016
	Sub-total		1207.1	0.01815
2021-22	Kandhamal	Mustard	9.98	0.0072
		Niger	2.20	
		Turmeric	213.00	
		Rice	26.25	
	Malkangiri	Rice ( <i>MTU-1001</i> )	95.00	0.00325
		Green gram (IPM 02-14)	5.40	
	Mayurbhanj-l	Rice	567.00	0.00398
	Mayurbhanj-II	Pratikhya	108.00	0.00402
		Maize ( <i>Kalinga Raj</i> )	12.84	
	Nabarangapur	Rice	47.40	0.00142
		Niger	1.50	
	Rayagada	Rice	175.00	0.00153
		Ragi	2.76	
		Pigeon pea	3.50	
		Green gram	2.32	



Year	Name of KVK	Name of seed(s) produced	Quantity (qt)	No. of farmers (Lakh)
	Sundargarh-I	Rice	53.00	0.00172
	Sundargarh-II	Mustard (Pusa Mustard 28)	4.50	0.00012
	Sub-total		1329.65	0.02324
2022-23	Kandhamal	Turmeric	187.75	0.00191
		Niger	4.46	
		Toria	5.30	
	Malkangiri	Rice	97.00	0.00162
		Green gram	2.00	
		Sesame	2.50	
	Mayurbhanj-l	Rice	756.00	0.00525
	Mayurbhanj-II	Rice	107.00	0.00134
	Nabarangapur	Rice	79.00	0.00543
		Ragi	12.80	
		Niger	3.47	
	Rayagada	Paddy ( <i>MTU 1172</i> )	166.60	0.00757
		Paddy ( <i>Bina dhan-17</i> )	84.80	
		Ragi ( <i>Arjuna</i> )	1.34	
		Pigeon pea ( <i>LRG-52</i> )	3.50	
		Black gram (OBG 33)	4.00	
		Green gram (Virat)	7.00	
	Sundargarh-I	Paddy ( <i>Pratikshya</i> )	78.60	0.00123
	Sub-total	1603.12	0.02435	
	Total		6944.57	0.37602











## 5.1.7 Planting materials production

The TSP/STC KVKs under ICAR-ATARI Kolkata produced various types of quality planting materials at their campuses for distribution among the tribal farmers mostly at free of cost and sometimes with nominal charges. The details of planting materials production and number of benefitted farmers in different years are presented in the following table.

Table: Details of planting materials production by the KVKs during the year 2017-18 to 2022-23

Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
2017-18	Gajapati	Vegetable seedlings	0.27380	0.00572
		Mango	0.00200	
		Papaya	0.01120	
	Kandhamal	Cauliflower	0.10000	0.00621
		Cabbage	0.54000	
		Tomato	0.10400	
	Malkangiri	Tomato ( <i>Arka Rashyak</i> )	0.02000	0.00134
		Brinjal ( <i>Blue Star</i> )	0.04000	
		Chilli (Surya Mukhi)	0.04000	
		Papaya ( <i>Red Lady</i> )	0.02000	
	Mayurbhanj-l	Vegetable seedlings	0.55700	0.00376
	Mayurbhanj-II	Brinjal	0.0100	0.00353
		Tomato	0.01500	
		Cabbage	0.0100	
		Chilli	0.05500	
		Cauliflower	0.01200	
		Broccoli	0.01200	
		Papaya	0.02000	
		Capcicum	0.00200	
	Nabarangapur	Hyb. vegetables	0.23310	0.00525
		Papaya	0.04500	
		Drumstick	0.03130	
	Rayagada	Papaya	0.01500	0.00412
		Drumstick	0.01200	
		Brinjal	0.02810	
		Tomato	0.03500	
		Onion	0.04371	
		Chilli	0.02700	
	Sundargarh-I	Tomato	0.08000	0.00277
		Brinjal	0.07000	
		Chilli	0.15000	
		Cabbage	0.02000	
		Cauliflower	0.02000	
		Capsicum	0.02000	



Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
		Onion	0.20000	
		Papaya	0.05000	
		Drumstick	0.05000	
	Sub	-total	2.97421	0.03270
2018-19	Gajapati	Vegetable seedlings	0.85370	0.00658
		Papaya	0.00020	
	Kandhamal	Cauliflower	0.10000	0.00623
		Cabbage	0.20000	
		Tomato	0.02000	
		Drumstick	0.04500	
		Papaya	0.00300	
		Brinjal	0.01000	
	Malkangiri	Tomato ( <i>Arka Rakshak</i> )	0.00900	0.00159
		Brinjal ( <i>Blue Star</i> )	0.00230	
		Chilli ( <i>Bullet</i> )	0.01200	
		Papaya ( <i>Red Lady</i> )	0.00100	
		Drumstick ( <i>PKM-1</i> )	0.00100	
	Mayurbhanj-l	Vegetable seedlings	0.82000	0.00727
	Mayurbhanj-II	Brinjal	0.14700	0.00432
		Tomato	0.16260	
		Cabbage	0.07380	
		Chilli	0.07340	
		Cauli flower	0.02000	
		Brocolii	0.00500	
		Papaya	0.00500	
		Capcicum	0.01071	
	Nabarangapur	Hyb. vegetables	0.20000	0.00197
		Papaya	0.03700	
		Drumstick	0.02500	
	Rayagada	Papaya	0.01000	0.00120
		Drumstick	0.00500	
		Marigold	0.20000	
	Sundargarh-l	Tomato	0.09700	0.00614
		Brinjal	0.07820	
		Chilli	0.16600	
		Cabbage	0.03120	
		Cauliflower	0.03110	
		Broccoli	0.01020	
		Broccon		
		Capsicum	0.01100	



Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
		Papaya	0.02860	
		Banana	0.00100	
		Drumstick	0.02900	
		Maul sari (Bakula)	0.10000	
		Marigold	0.01000	
	Sub	-total	3.85351	0.03530
2019-20	Gajapati	Vegetable seedlings	0.74450	0.00307
		Mango	0.00200	
		Litchi	0.00100	
		Papaya	0.00270	
	Kandhamal	Cauliflower	0.14320	0.00759
		Cabbage	0.40000	
		Tomato	0.01390	
		Chilli	0.00730	
		Drumstick	0.04850	
		Papaya	0.04740	
		Brinjal	0.05060	
	Malkangiri	Tomato ( <i>Arka Rakshak</i> )	0.02000	0.003
		Brinjal ( <i>Blue Star</i> )	0.01000	
		Chilli ( <i>Pusa Jwala</i> )	0.02000	
		Papaya ( <i>Red Lady</i> )	0.01420	
		Drumstick ( <i>PKM-1</i> )	0.00430	
		Capsicum (California Wonder)	0.0050	
	Mayurbhanj-l	Vegetable seedlings	0.68050	0.0054
	Mayurbhanj-II	Brinjal	0.11000	0.00257
		Tomato	0.11820	
		Cabbage	0.04000	
		Chilli	0.02000	
		Cauli flower	0.02202	
		Papaya	0.01000	
		Capcicum	0.09900	
	Nabarangapur	Hyb. vegetables	0.09000	0.00105
		Papaya	0.03700	
		Drumstick	0.02400	
	Rayagada	Marigold seedling	0.12000	0.00123
		Papaya	0.01000	
		Drumstick	0.01000	
		Brinjal	0.02900	
		Tomato	0.03900	



Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
		Chilli	0.02700	
		Cauliflower	0.01200	
		Cabbage	0.01900	
	Sundargarh-I	Tomato	0.04500	0.00846
		Brinjal	0.04200	
		Chilli	0.06100	
		Cabbage	0.03250	
		Cauliflower	0.03010	
		Color cauliflower	0.00500	
		Red cabbage	0.00650	
		Chinese cabbage	0.00420	
		Broccoli	0.02050	
		Cherry tomato	0.02000	
		Capsicum	0.01050	
		Color capsicum	0.00200	
		Onion	0.02850	
		Papaya	0.02860	
		Banana	0.00250	
		Drumstick	0.02200	
		Maul sari ( <i>Bakula</i> )	0.04000	
		Marigold	0.01550	
		African marigold	0.01000	
		Mango	0.00500	
		Guava	0.01200	
		Apple Ber	0.00210	
		Anla	0.0020	
		Stone apple	0.0020	
		Debdaru	0.00150	
	Sub	-total	3.50232	0.03237
2020-21	Gajapati	Vegetable seedlings	3.64150	0.0115
		Mango	0.00690	
		Papaya	0.00090	
	Kandhamal	Cauliflower	0.05200	0.00325
		Cabbage	0.06300	
		Tomato	0.02200	
		Chilli	0.02700	
		Drumstick	0.00420	
		Papaya	0.06150	
		Brinjal	0.00800	



Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
	Malkangiri	Tomato ( <i>Laxmi</i> )	0.01000	0.00425
		Brinjal ( <i>Blue Star</i> )	0.01000	
		Chilli ( <i>Pusa Jwala</i> )	0.01600	
		Papaya ( <i>Pusa Nanha</i> )	0.04440	
		Drumstick ( <i>Dwarf Moringa</i> )	0.03180	
	Mayurbhanj-l	Vegetable seedlings	2.10810	0.01810
	Mayurbhanj-II	Brinjal	0.14000	0.00241
		Tomato	0.26000	
		Cabbage	0.07500	
		Chilli	0.03000	
		Cauliflower	0.10500	
		Papaya	0.02150	
		Capcicum	0.01400	
	Nabarangapur	Hyb. vegetables	0.21500	0.00335
		Papaya	0.03500	
		Drumstick	0.02000	
	Rayagada	PKM-1, Odishi	0.03200	0.00328
		K. Lime	0.01300	
		Red Lady	0.0300	
		Ganesh	0.00250	
		OP	0.15000	
		Marble, Amazing	0.01200	
		Champ	0.01000	
		Arka Rakshak and Arka Samrat	0.05000	
		BSS-1030	0.07900	
		Hungama	0.07500	
		Arka Mohini	0.00300	
	Sundargarh-I	Tomato	0.09050	0.00981
		Brinjal	0.08020	
		Chilli	0.18600	
		Cabbage	0.03120	
		Cauliflower	0.04550	
		Color cauliflower	0.00700	
		Red cabbage	0.00720	
		Chinese cabbage	0.00500	
		Broccoli	0.03500	
		Cherryt tomato	0.04200	
		Capsicum	0.03400	
		Color capsicum	0.00250	



Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
		Onion	0.24050	
		Papaya	0.03060	
		Banana	0.00400	
		Drumstick	0.04500	
		Maul sari (Bakula)	0.02000	
	Nicobar	Marigold	0.01980	0.00020
		African marigold	0.01580	
		Calendula	0.01800	
		Aster	0.01540	
		Zinnia	0.01490	
		Salvia	0.01570	
		Dalia	0.01370	
		Dianthus	0.01200	
		Gerbera	0.00500	
		Mango	0.00550	
		Guava	0.00750	
		Anla	0.00250	
		Stone apple	0.00140	
		Debdaru	0.00250	
		CARI Brinjal 1 & 2	0.0020	
	Sub	-total	8.53720	0.05615
2021-22	Gajapati	Vegetable seedlings	1.77340	0.00304
		Mango	0.00294	
		Litchi	0.00150	
		Papaya	0.02330	
	Kandhamal	Papaya	0.09690	0.00421
		Cauliflower	0.01300	
		Cabbage	0.04730	
		Tomato	0.02590	
		Chilli	0.00560	
		Drumstick	0.00520	
		Papaya	0.02710	
	Malkangiri	Brinjal	0.01200	0.00432
		Tomato ( <i>Arka Rakshak</i> )	0.01500	
		Brinjal ( <i>Blue Star</i> )	0.01500	
		Chilli ( <i>Pusa Jwala</i> )	0.01500	
		Papaya ( <i>Pusa Nanha</i> )	0.01500	
	Mayurbhanj-l	Vegetable seedlings	1.983500	0.01054
	Mayurbhanj-I Mayurbhanj-II	Vegetable seedlings  Vegetable seedlings	1.983500 0.248200	0.01054 0.00402



Tomato	Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
Chilli			Tomato	0.06000	
Cauliflower   0,01050   Papaya   0,02000			Cabbage	0.15600	
Papaya			Chilli	0.22450	
Nabarangapur			Cauliflower	0.01050	
Hyb. vegetables   0.04000			Papaya	0.02000	
Papaya		Nabarangapur	Capcicum	0.50600	0.00385
Cabbage			Hyb. vegetables	0.04000	
Cabbage 0.01100 Tomato 0.03700 Brinjal 0.04940 Chilli 0.05400 Onion 0.02400 Others (Drumstick) 0.01860 Capsicum 0.00500 Mango 0.00300 Lime 0.00560 Papaya 0.02330 Banana 0.00450 Ornamental plants (Marigold) 0.0420 Medicinal and Aromatic plants 0.00050 Sundargarh-I Tomato 0.12050 0.00562 Brinjal 0.08500 Chilli 0.17050 Cabbage 0.03508 Cauliflower 0.05510 Color cauliflower 0.01000 Red cabbage 0.01100 Broccoli 0.04520 Chiery tomato 0.04000 Capsicum 0.04000 Capsicum 0.04000 Color capsicum 0.03570 Banana 0.00550 Drumstick 0.03500 Maul sari (Bakula) 0.02000			Papaya	0.03000	
Tomato 0,03700 Brinjal 0,04940 Chilli 0,06400 Onion 0,02400 Others (Drumstick) 0,01860 Capsicum 0,00500 Mango 0,00300 Lime 0,00560 Papaya 0,02330 Banana 0,00450 Ornamental plants (Marigold) 0,0420 Medicinal and Aromatic plants 0,00050 Sundargarh-I Tomato 0,12050 0,00562 Brinjal 0,08500 Chilli 0,17050 Cabbage 0,03508 Cauliflower 0,05510 Color cauliflower 0,01000 Red cabbage 0,01100 Broccoli 0,04520 Chiery tomato 0,04500 Capsicum 0,04000 Color capsicum 0,04000 Color capsicum 0,03500 Onion 0,03260 Papaya 0,03500 Banana 0,00550 Drumstick 0,03500 Maul sari (Bakula)		Rayagada	Cauliflower	0.00800	0.00283
Brinjal			Cabbage	0.01100	
Chilli			Tomato	0.03700	
Onion         0.02400           Others (Drumstick)         0.01860           Capsicum         0.00500           Mango         0.00300           Lime         0.00560           Papaya         0.02330           Banana         0.00450           Ornamental plants (Marigold)         0.0420           Medicinal and Aromatic plants         0.00050           Sundargarh-I         Tomato         0.12050         0.00562           Brinjal         0.08500         0.03500           Chilli         0.17050         0.05510         0.05510           Color cauliflower         0.05510         0.01000         0.01000           Red cabbage         0.01100         0.01000         0.04520           Chinese cabbage         0.01100         0.04520         0.04520           Cherry tomato         0.04600         0.04520         0.04600         0.03500           Capsicum         0.00350         0.00350         0.00350         0.003500           Papaya         0.03570         Banana         0.00550         0.00550         0.00550           Drumstick         0.03500         0.002000         0.00000         0.000000         0.00000         0.000000			Brinjal	0.04940	
Others (Drumstick) 0.01860 Capsicum 0.00500 Mango 0.00300 Lime 0.00560 Papaya 0.02330 Banana 0.00450 Ornamental plants (Marigold) 0.0420 Medicinal and Aromatic plants 0.00050 Sundargarh-I Tomato 0.12050 0.00562 Brinjal 0.08500 Chilli 0.17050 Cabbage 0.03508 Cauliflower 0.05510 Color cauliflower 0.01000 Red cabbage 0.01000 Red cabbage 0.01100 Broccoli 0.04520 Cherry tomato 0.04600 Capsicum 0.04000 Color capsicum 0.04000 Color capsicum 0.03500 Onion 0.03500 Papaya 0.03570 Banana 0.00550 Drumstick 0.03500 Maul sari (Bakula) 0.02000			Chilli	0.06400	
Capsicum			Onion	0.02400	
Mango			Others (Drumstick)	0.01860	
Lime 0.00560 Papaya 0.02330 Banana 0.00450 Ornamental plants (Marigold) 0.0420 Medicinal and Aromatic plants 0.00050  Sundargarh-I Tomato 0.12050 0.00562  Brinjal 0.08500 Chilli 0.17050 Cabbage 0.03508 Cauliflower 0.05510 Color cauliflower 0.01000 Red cabbage 0.01200 Chinese cabbage 0.01100 Broccoli 0.04520 Cherry tomato 0.04600 Capsicum 0.04000 Color capsicum 0.00350 Onion 0.03260 Papaya 0.03570 Banana 0.00550 Drumstick 0.03500 Maul sari (Bakula) 0.02000			Capsicum	0.00500	
Papaya			Mango	0.00300	
Banana			Lime	0.00560	
Ornamental plants (Marigold)         0.0420           Medicinal and Aromatic plants         0.00050           Sundargarh-I         Tomato         0.12050         0.00562           Brinjal         0.08500         0.01000           Chilli         0.17050         0.03508           Cauliflower         0.09510         0.01000           Red cabbage         0.01000         0.01200           Chinese cabbage         0.01100         0.04520           Cherry tomato         0.04600         0.04600           Capsicum         0.004000         0.00350           Onion         0.03260         0.03570           Banana         0.00550         0.00050           Maul sari (Bakula)         0.02000			Papaya	0.02330	
Medicinal and Aromatic plants			Banana	0.00450	
Sundargarh-I			Ornamental plants (Marigold)	0.0420	
Brinjal 0.08500 Chilli 0.17050 Cabbage 0.03508 Cauliflower 0.05510 Color cauliflower 0.01000 Red cabbage 0.01200 Chinese cabbage 0.01100 Broccoli 0.04520 Cherry tomato 0.04600 Capsicum 0.04000 Color capsicum 0.00350 Onion 0.03260 Papaya 0.03570 Banana 0.00550 Drumstick 0.03500 Maul sari (Bakula) 0.02000			Medicinal and Aromatic plants	0.00050	
Chilli       0.17050         Cabbage       0.03508         Cauliflower       0.05510         Color cauliflower       0.01000         Red cabbage       0.01200         Chinese cabbage       0.01100         Broccoli       0.04520         Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000		Sundargarh-l	Tomato	0.12050	0.00562
Cabbage       0.03508         Cauliflower       0.05510         Color cauliflower       0.01000         Red cabbage       0.011200         Chinese cabbage       0.01100         Broccoli       0.04520         Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Brinjal	0.08500	
Cauliflower       0.05510         Color cauliflower       0.01000         Red cabbage       0.01200         Chinese cabbage       0.01100         Broccoli       0.04520         Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Chilli	0.17050	
Color cauliflower       0.01000         Red cabbage       0.01200         Chinese cabbage       0.01100         Broccoli       0.04520         Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Cabbage	0.03508	
Red cabbage       0.01200         Chinese cabbage       0.01100         Broccoli       0.04520         Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Cauliflower	0.05510	
Chinese cabbage       0.01100         Broccoli       0.04520         Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Color cauliflower	0.01000	
Broccoli       0.04520         Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Red cabbage	0.01200	
Cherry tomato       0.04600         Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Chinese cabbage	0.01100	
Capsicum       0.04000         Color capsicum       0.00350         Onion       0.03260         Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000			Broccoli	0.04520	
Color capsicum         0.00350           Onion         0.03260           Papaya         0.03570           Banana         0.00550           Drumstick         0.03500           Maul sari (Bakula)         0.02000			Cherry tomato	0.04600	
Onion         0.03260           Papaya         0.03570           Banana         0.00550           Drumstick         0.03500           Maul sari (Bakula)         0.02000			Capsicum	0.04000	
Onion         0.03260           Papaya         0.03570           Banana         0.00550           Drumstick         0.03500           Maul sari (Bakula)         0.02000					
Papaya       0.03570         Banana       0.00550         Drumstick       0.03500         Maul sari (Bakula)       0.02000					
Banana         0.00550           Drumstick         0.03500           Maul sari (Bakula)         0.02000					
Drumstick 0.03500  Maul sari (Bakula) 0.02000					
Maul sari (Bakula) 0.02000					
			Marigold	0.02560	



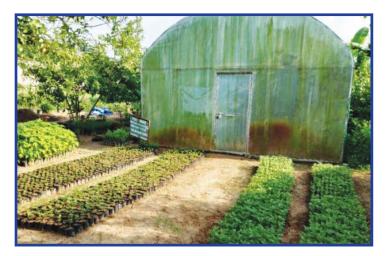
Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
		African marigold	0.01800	
		Calendula	0.02090	
		Aster	0.02500	
		Zinnia	0.024100	
		Salvia	0.01800	
		Dalia	0.01500	
		Dianthus	0.01560	
		Gerbera	0.00590	
		Mango	0.00500	
		Guava	0.00600	
		Anla	0.00220	
		Stone apple	0.00210	
		Debdaru	0.00230	
	Nicobar	CARI Brinjal 1 & 2	0.00280	0.00092
		Arka Samrat, Rakshak & Abhed F1	0.00260	
		Arka Harita F1	0.00150	
		Arka Surya and Prabhat	0.00160	
	Sub-	-total	6.94562	0.03935
2022-23	Gajapati	Tomato	0.14620	0.00935
		Brinjal	0.12070	
		Chilli	0.07490	
		Cauliflower	0.02060	
		Knolkhol	0.00300	
		Cabbage	0.01810	
		Onion	0.65570	
		Broccoli	0.00300	
		Capsicum	0.00123	
		Marigold	0.00950	
		Mango	0.00910	
		Papaya	0.01730	
		Litchi	0.00220	
		Drumstick	0.01350	
	Kandhamal	Tomato, brinjal, chilli, cabbage, cauliflower	1.18200	0.00982
		Papaya, drumstick, banana	0.05000	
	Malkangiri	Papaya	0.01200	0.00300
		Drumstick	0.02600	
		Tomato	0.02500	
		Chilli	0.00100	
		Brinjal	0.001500	



Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
	Mayurbhanj-l	Rooted vegetable seedlings	1.92300	0.08785
		Papaya	0.07600	
	Mayurbhanj-II	Brinjal	0.31350	0. 00334
		Tomato	0.12700	
		Cabbage	0.10600	
		Cauliflower	0.09600	
		Chili	0.14000	
		Capsicum	0.03000	
		Papaya	0.01330	
		Drumstick	0.00250	
		Marigold	0.30200	
	Nabarangapur	Cauliflower	0.15000	0.00757
		Cabbage	0.15000	
		Tomato	0.15000	
		Brinjal	0.15000	
		Chilli	0.15000	
		Papaya	0.01500	
		Banana	0.00060	
		Drumstick	0.01000	
		Marigold	0.15000	
	Rayagada	Cauliflower	0.14500	0.00685
		Cabbage	0.02850	
		Tomato	0.08400	
		Brinjal	0.08190	
		Chilli	0.02350	
		Onion	0.25100	
		Others (Drumstick)	0.03200	
		Capsicum	0.00540	
		Broccoli	0.04050	
		Red cabbage	0.00500	
		Mango	0.00300	
		Papaya	0.02200	
		Others (Rose apple)	0.00050	
		Ornamental plants (Marigold)	0.06600	
	Sundargarh-l	Cauliflower	0.05000	0.00768
		Cabbage	0.05000	
		Tomato	0.05000	
		Brinjal	0.05000	
		Chilli	0.05000	
		Onion	0.05000	



Year	Name of KVK	Name of planting materials	No. of planting materials produced (in lakh)	No. of farmers benefitted (in lakh)
		Others	0.05000	
		Mango	0.05000	
		Guava	0.05000	
		Lime	0.05000	
		Papaya	0.05000	
		Banana	0.05000	
		Medicinal and Aromatic plants	0.00160	
		Plantation	0.05500	
	Nicobar	CARI Brinjal 1 & 2	0.00390	0.00298
		Arka Samrat, Rakshak and Abhed F1	0.00250	
		Arka Surya & Prabhat	0.00350	
		Arka Meghna	0.00260	
		CARI SP-1 & 2	0.00200	
		PKM-1	0.00200	
	Sub	-total	7.90883	0.04725
	To	otal	33.72169	0.24312





























### 5.1.8 Livestock breeds/strains and fish fingerlings production

Livestock breeds/strains and fish fingerlings production were also the part of different activities of KVK particularly where manpower was available with KVKs. Those produces were generally distributed by the KVKs among the tribal farmers mostly at free of cost and sometimes, those were sold with minimum prices. The details of livestock breeds/strains and fish fingerlings produced by different KVKs and number of benefitted farmers in different years are shown in the table below.

Table: Details of livestock strains and fish fingerlings production by the KVKs during the year 2017-18 to 2022-23

Year	Name of KVK	Type of livestock strains and fish fingerlings	Number (in lakh) of livestock strains and fish fingerlings	No. of benefitted farmers (in lakh)
2017-18	Mayurbhanj-l	Poultry chicks of 21 days old (Rainbow Rooster, Kadaknath and RIR)	0.03311	0.00400
	Mayurbhanj-II	Poultry (Rainbow Rooster)	0.01750	0.00130
	Rayagada	Fish fingerlings (Rohu, Mrigal and Catla)	0.11433	0.00021
	Sundargarh-l	Poultry (Kadaknath)	0.01000	0.00132
		Sub-total	0.17494	0.00683
2018-19	Kandhamal	Poultry (Kadaknath and Kalinga Brown)	0.00167	0.00008
	Malkangiri	Poultry (Vanaaraja)	0.03160	0.00222
		Poultry (Kadaknath)	0.01229	
	Mayurbhanj-l	Poultry chicks of 21 days old (Rainbow Rooster)	0.08230	0.00430
		Large White Yorkshire pig	0.00120	
	Mayurbhanj-II	Poultry (Rainbow Roster)	0.04670	0.00230
	Rayagada	Poultry (Vanraja)	0.00184	0.00010
	Sundargarh-l	Poultry (Vanraja, Rainbow Rooster, Kaveri and White Leghorn)	0.02980	0.00160
		Sub-total	0.20740	0.01060
2019-20	Kandhamal	Poultry (Kadaknath and Kalinga Brown)	0.01913	0.00095
	Malkangiri	Poultry (Vanaaraja)	0.02000	0.00450
		Poultry (Kadaknath)	0.01000	
	Mayurbhanj-l	Poultry chicks of 21 days old (Rainbow Rooster)	0.06100	0.00480
	Mayurbhanj-II	Poultry (Rainbow Roster)	0.02943	0.00180
	Rayagada	Fish (Rohu, Mrigal and Catla)	0.28000	0.00050
	Sundargarh-I	Poultry (Vanraja, Rainbow Rooster, Kaveri, White Leghorn, and Kadaknath)	0.01222	0.00125
		Sub-total	0.43178	0.01380



Year	Name of KVK	Type of livestock strains and fish fingerlings	Number (in lakh) of livestock strains and fish fingerlings	No. of benefitted farmers (in lakh)
2020-21	Kandhamal	Poultry (Kadaknath and Kalinga Brown)	0.01200	0.00060
	Malkangiri	Poultry (Vanaraja)	0.02000	0.00321
		Poultry (Kadaknath)	0.02000	
		IMC (Rohu, Mrigal and Catla)	0.48030	
	Mayurbhanj-l	Poultry chicks of 21 days old (Rainbow Rooster)	0.03240	0.00640
	Mayurbhanj-II	Poultry (Rainbow Rooster)	0.02080	0.00180
	Rayagada	Poultry ( <i>Vanraja</i> )	0.00600	0.00150
		Fish (Rohu, Mrigal and Catla)	0.11000	
	Sundargarh-l	Poultry (Vanraja, Rainbow Rooster and Kadaknath)	0.00879	0.00090
		Sub-total	0.71029	0.01441
2021-22	Kandhamal	Poultry (Kadaknath and Kalinga Brown)	0.00100	0.00010
	Malkangiri	Poultry (Kadaknath)	0.00500	0.00280
		Poultry (Sonali)	0.00350	
		IMC (Rohu, Mrigal and Catla)	0.20000	
	Mayurbhanj-l	Poultry chicks of 21 days old (Rainbow Rooster)	0.02290	0.00210
	Mayurbhanj-II	Poultry (Rainbow Rooster)	0.01200	0.00120
	Rayagada	Fish (Rohu, Catla and Mrigal)	0.04129	0.00045
	Sundargarh-l	Poultry (Vanraja, Rainbow Roster, Kaveri and White Leghorn)	0.01010	0.00120
		Sub-total	0.29579	0.00785
2022-23	Kandhamal	Poultry (Kadaknath, Kalinga Brown and Sonali)	0.00330	0.00084
	Malkangiri	Poultry	0.01500	0.00150
		IMC (Rohu, Catla and Mrigal)	0.75000	
	Mayurbhanj-l	Poultry chicks of 21 days old (Rainbow Rooster)	0.05500	0.00490
	Mayurbhanj-II	Poultry (Rainbow Rooster, RIR and Vanaraja)	0.01800	0.00150
	Rayagada	Poultry (Vanraja)	0.00800	0.00060
	Sundargarh-I	Poultry (Vanraja and Kadaknath)	0.00987	0.00100
		IMC (Rohu, Mrigal and Catla)	0.50000	
		Sub-total	1.35917	0.01034
		Total	3.17937	0.06383





















### 5.1.9 Soil and water sample testing

Like other KVKs, scientists of TSP KVKs of this zone were also engaged in analyzing soil and water samples of tribal farmers to let the farmers know about the status of their soil and water used for agricultural production. They were also guided for soil test-based fertilizer use to reduce the cost of production and to reduce the cost of unnecessary use of different fertilizers. The total number of soil and water tested by the KVKs and number of benefitted farmers in different years are presented below.

Table: Details of soil and water sample tested by the KVKs during the year 2017-18 to 2022-23

Year	Name of KVK	Number of soil and water samp	les tested (in lakh)	No. of benefitted farmers
		Soil	Water	(in lakh)
2017-18	Gajapati	0.00351	0	0.00817
	Kandhamal	0.00497	0	0.01472
	Malkangiri	0.00394	0	0.00950
	Mayurbhanj-l	0.00176	0	0.00453
	Mayurbhanj-II	0.00568	0	0.01507
	Nabarangapur	0.00462	0	0.01260
	Rayagada	0.00355	0	0.01120
	Sundargarh-I	0.00227	0	0.00952
	Sundargarh-II	0.00343	0	0.00828
	Nicobar	0.00054	0	0.00344
	Sub-total	0.03427	0	0.09703
2018-19	Gajapati	0.00478	0	0.01054
	Kandhamal	0.01258	0	0.02322
	Malkangiri	0.00657	0	0.01475
	Mayurbhanj-l	0.00260	0.00020	0.00630



Year	Name of KVK	Number of soil and water samp	les tested (in lakh)	No. of benefitted farmers
		Soil	Water	(in lakh)
	Mayurbhanj-II	0.00466	0	0.01073
	Nabarangapur	0.01092	0	0.02532
	Rayagada	0.00794	0	0.01941
	Sundargarh-I	0.00673	0	0.01747
	Sundargarh-II	0.00585	0	0.01150
	Nicobar	0.00029	0	0.00115
	Sub-total	0.06292	0.00020	0.14039
2019-20	Gajapati	0.00175	0	0.00512
	Kandhamal	0.00831	0	0.02131
	Malkangiri	0.00426	0	0.01523
	Mayurbhanj-l	0.00150	0.00050	0.00158
	Mayurbhanj-II	0.00120	0	0.00284
	Nabarangapur	0.00378	0	0.01230
	Rayagada	0.00302	0	0.00824
	Sundargarh-I	0.00240	0	0.00372
	Sundargarh-II	0.00369	0	0.00875
	Nicobar	0.0008	0	0.00025
:	Sub-total	0.02999	0.00050	0.07934
2020-21	Gajapati	0.00188	0	0.00675
	Kandhamal	0.00754	0	0.01683
	Malkangiri	0.00432	0	0.01801
	Mayurbhanj-l	0.00109	0.00125	0.00327
	Mayurbhanj-II	0.00127	0	0.00294
	Nabarangapur	0.00365	0	0.00918
	Rayagada	0.00386	0	0.01025
	Sundargarh-I	0.00278	0	0.00532
	Sundargarh-II	0.00329	0	0.00750
	Nicobar	0.00010	0	0.00010
:	Sub-total	0.02978	0.00125	0.08050
2021-22	Gajapati	0.00160	0	0.00492
	Kandhamal	0.00890	0	0.02154
	Malkangiri	0.00456	0	0.01206



Year	Name of KVK	Number of soil and water samp	les tested (in lakh)	No. of benefitted farmers
		Soil	Water	(in lakh)
	Mayurbhanj-I	0.00197	0	0.00398
	Mayurbhanj-II	0.00178	0	0.00405
	Nabarangapur	0.00372	0	0.00950
	Rayagada	0.00356	0	0.00924
	Sundargarh-I	0.00238	0	0.00871
	Sundargarh-II	0.00243	0	0.00715
	Nicobar	0.00010	0	0.00092
	Sub-total	0.03100	0	0.08207
2022-23	Gajapati	0.00167	0	0.00454
	Kandhamal	0.00350	0	0.01220
	Malkangiri	0.00300	0	0.01270
	Mayurbhanj-I	0.00215	0.00005	0.00563
	Mayurbhanj-II	0.00260	0	0.00441
	Nabarangapur	0.01200	0	0.03110
	Rayagada	0.00414	0	0.01480
	Sundargarh-I	0.00310	0	0.00578
	Sundargarh-II	0.00380	0	0.00896
	Sub-total	0.03596	0.00005	0.10012
	Total	0.22392	0.00200	0.57945















### 5.1.10 Agro-advisories provided to the farmers

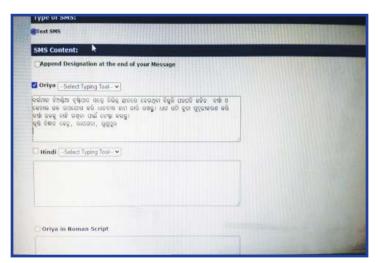
Tribal farmers were provided with various types of agro-advisorories related to weather forecast, sowing time of different crops, field and horticultural crop production, livestock and fish production, insect and pest controls in crops, livestock/fish diseases, harvesting of crops, market rate of different commodities, marketing of various agri-produces and so on. The total number of advisories and benefitted farmers from messages sent by the KVKs of this zone in different years are shown in the table as under.

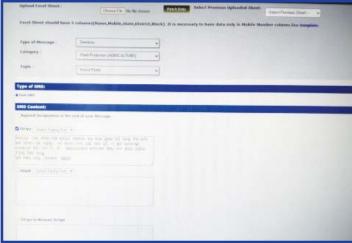
Table: Details of mobile agro-advisory services provided to the farmers by TSP/STC KVKs during the year 2017-18 to 2022-23

Year	Name of KVK	Number of agro-advisories sent to the farmers	No. of benefitted farmers (in lakh)
2017-18	Gajapati	96	0.43900
	Kandhamal	37	0.33634
	Malkangiri	47	0.23270
	Mayurbhanj-l	70	0.19820
	Mayurbhanj-II	42	0.35630
	Nabarangapur	35	0.22450
	Rayagada	63	0.29200
	Sundargarh-I	42	0.61000
	Sundargarh-II	52	0.59690
	Nicobar	50	0.02075
	Sub-total	534	3.30669
2018-19	Gajapati	96	0.95926
	Kandhamal	40	0.98717
	Malkangiri	48	0.96891
	Mayurbhanj-l	60	0.54542
	Mayurbhanj-II	44	0.62351
	Nabarangapur	60	0.97407
	Rayagada	66	0.89945
	Sundargarh-I	48	0.97212
	Sundargarh-II	54	1.24570
	Nicobar	50	0.04453
	Sub-total	566	8.22014
2019-20	Gajapati	86	0.46234
	Kandhamal	38	0.59960
	Malkangiri	50	0.42563
	Mayurbhanj-l	36	0.54280
	Mayurbhanj-II	41	0.86920
	Nabarangapur	40	0.48975
	Rayagada	48	0.46783
	Sundargarh-I	40	0.97700

Year	Name of KVK	Number of agro-advisories sent to the farmers	No. of benefitted farmers (in lakh)
	Sundargarh-II	54	0.94300
	Gajapati	50	0.01791
	Sub-total	483	5.79506
2020-21	Gajapati	74	1.09051
	Kandhamal	44	1.12964
	Malkangiri	56	1.24978
	Mayurbhanj-l	54	1.27628
	Mayurbhanj-II	40	1.42416
	Nabarangapur	64	0.96553
	Rayagada	48	1.22494
	Sundargarh-I	42	0.99217
	Sundargarh-II	56	1.21455
	Gajapati	50	0.07994
	Sub-total	528	10.64750
2021-22	Gajapati	68	1.54242
	Kandhamal	48	1.62984
	Malkangiri	76	1.83398
	Mayurbhanj-l	66	1.12850
	Mayurbhanj-II	44	1.28950
	Nabarangapur	66	1.55460
	Rayagada	56	1.70400
	Sundargarh-I	32	1.54750
	Sundargarh-II	40	1.40544
	Gajapati	50	0.09782
	Sub-total	546	13.73360
2022-23	Gajapati	49	1.44230
	Kandhamal	42	1.52820
	Malkangiri	27	1.52860
	Mayurbhanj-l	54	1.17854
	Mayurbhanj-II	31	1.14830
	Nabarangapur	48	1.42320
	Rayagada	48	1.58194
	Sundargarh-I	24	1.31926
	Sundargarh-II	40	1.38380
	Gajapati	50	0.06786
	Sub-total	413	12.60200
	Total	3070	54.30499











### 5.1.11 Other special programmes organized/conducted

During the year 2017-18 to 2022-23, TSP/STC KVKs of this zone organized/conducted various special programmes throughout the year for the benefit of tribal farmers. Some of the important programmes, total number of programmes including benefitted farmers have been presented in the following table.

Table: Details of others special programmes conducted by the KVKs during 2017-18 to 2022-23

Year	Name of some special programmes organized/ conducted by the TSP/STC KVKs	Number of special programmes organized/conducted	Total no. of farmers attended/ benefitted from the programmes (in Lakh)
2017-18	<ul> <li>'Sankalp Se Siddhi' programme,</li> <li>An awareness- cum -cleanness drive</li> <li>'World Food Day 2017'</li> <li>'Mahila Kisan Diwas'</li> <li>'Women in Agriculture Day'</li> <li>'Agricultural Education Day'</li> <li>'Jai Kisan Jai Vigyan'</li> <li>'World Soil Day' etc.</li> </ul>	268	0.30820



Year	Name of some special programmes organized/ conducted by the TSP/STC KVKs	Number of special programmes organized/conducted	Total no. of farmers attended/ benefitted from the programmes (in Lakh)
2018-19	<ul> <li>'Kisan Diwas'</li> <li>Interaction of Hon'ble PM with SHGs groups &amp; women groups</li> <li>Interaction of Hon'ble PM with farmers</li> <li>'World Food Day 2018'</li> <li>'Mahila Kisan Diwas'</li> <li>'Women in Agriculture Day'</li> <li>'Agricultural Education Day'</li> <li>'Jai Kisan Jai Vigyan'</li> <li>'World Soil Day'</li> <li>'Swachha Bharat' etc.</li> </ul>	362	O.39895
2019-20	<ul> <li>Celebration of 150th Birth Anniversary of Mahatma Gandhi,</li> <li>'Tree Plantation Program'</li> <li>'National Animal Disease Control' Programme for FMD and brucellosis and Artificial Insemination</li> <li>'World Food Day'</li> <li>'Mahila Kisan Diwas'</li> <li>'Women in Agriculture Day'</li> <li>'Agricultural Education Day'</li> <li>'Jai Kisan Jai Vigyan'</li> <li>'World Soil Day'</li> <li>Training to Pump Technician etc.</li> </ul>	266	0.25208
2020-21	<ul> <li>'Swachhta Pakhwada'</li> <li>Dealers Training programme</li> <li>Scientific Bee Keeping Training programme</li> <li>Honourable PM's interaction with farmer programme</li> <li>'Poshan Maah' programme</li> <li>Certificate course for dealers on pesticides programme</li> <li>Vermicompost Training programme for women self-help group</li> <li>PKVY programme</li> </ul>	557	0.19495
2021-22	<ul> <li>'World Food Day' programme</li> <li>'Women in Agriculture Day'</li> <li>'Agricultural Education Day'</li> <li>'Jai Kisan Jai Vigyan'</li> <li>'World Soil Day'</li> <li>'World Water Day'</li> <li>'National Girl Child Day'</li> <li>Live telecast programme of Hon'ble PM on Natural Farming- Pre-Vibrant Gujarat Summit 2021, Anand</li> <li>'International Women Day'</li> </ul>	495	0.40427



Year	Name of some special programmes organized/ conducted by the TSP/STC KVKs	Number of special programmes organized/conducted	Total no. of farmers attended/ benefitted from the programmes (in Lakh)
2022-23	<ul> <li>'ICAR Foundation Day' celebration</li> <li>'Swachta Activity'</li> <li>'Input Dealers Training' programme</li> <li>Farmer-Scientist interaction programme (ATMA)</li> <li>'E-Farmers Fair'</li> <li>'Vigilance Awareness Week'</li> <li>Web-casting programme of PM KISAN</li> <li>'National Unity Day'</li> <li>'Millet Food Festival' etc.</li> </ul>	492	0.40701
	Total	2440	1.96546















































# 5.2 Physical outcome

The physical outcomes in terms of change in family income, family consumption, availability of agricultural implements/tools per tribal household, number of tribal farmers upgraded with knowledge and skills, increase availability of seeds etc. resulted from conducting various activities in the identified tribal dominated districts of this zone during the year 2017-18 to 2022-23 have been presented in the following table.

Table: Details of physical outcome under TSP/STC in different KVKs during the year 2017-18 to 2022-23

Year	Name of KVK	Change in family income (%)	Change in family consumption level (%)	Change in availability of agricultural implements/tools (no. per household)	Number of technologies identified after assessment	Upgraded skills and knowledge offarmers (in lakh)	Oriented extension personnel in frontier areas of agricultural technology (in lake)	Increased availability of quality seed (q)	Increased availability of quality planting material (in lakh)	Increased availability of live-stock strains and fingerlings (in lakh)	Testing of soil & water samples for balance fertilizer use (in lakh)
2017-18	Gajapati	10	22	2	-	0.01324	0.00221	00.00	1.37758	0.01210	0.00234
	Kandhamal	22	19	S	2	0.01476	0.00164	181.53	2.25000	0.02340	0.00602
	Malkangiri	25	18	2	-	0.01534	0.00206	152.00	0.06500	0.01120	0.00649
	Mayurbhanj-I	25	21	9	-	0.01355	0.00174	450.00	2.54448	0.06753	0.00153
	Mayurbhanj-II	22	20	7	-	0.01575	0.00244	66.20	0.10060	0.02258	0.00303
	Nabarangapur	28	20	4	-	0.01975	0.00260	68.20	0.19000	0.02314	0.00312
	Rayagada	21	18	е	2	0.02168	0.00358	109.00	0.30685	0.08745	0.00335
	Sundargarh-I	21	18	2	-	0.02075	0.00335	67.90	0.43500	0.07856	0.00320
	Sundargarh-II	20	25	2	-	0.01812	0.00217	00.00	0.00000	0.12450	0.00231
	Nicobar	18	10	4	-	0.00578	0.00185	0.01	0.00100	0.00243	0.00590
	Sub-total	212	161	49	12	0.15872	0.02364	1094.84	7.27051	0.45289	0.03729
	Average	21.2	19.1	4.9	•	•	ı	•	•	1	•
2018-19	Gajapati	4	15	-	0	0.02124	0.00021	0.00.00	0.50400	0.00000	0.00478
	Kandhamal	20	41	1	-	0.02412	0.00047	86.10	0.37800	0.000050	0.01058
	Malkangiri	25	21	2	-	0.01785	0.00008	42.00	0.17400	0.04561	0.00657
	Mayurbhanj-I	22	17	2	-	0.01908	0.00049	319.80	0.57000	0.07898	0.00260
	Mayurbhanj-II	19	18	2	0	0.01808	0.00092	102.40	0.56000	0.05286	0.00466
	Nabarangapur	21	21	က	0	0.02325	0.00080	47.00	0.46000	0.00000	0.01035
	Rayagada	19	22	က	-	0.02478	0.00063	64.00	0.31400	0.00000	0.00794
	Sundargarh-I	15	20	က	-	0.02143	0.00067	26.50	0.89000	0.02945	0.00689
	Sundargarh-II	20	19	2	0	0.02087	0.00023	00.00	0.00000	0.00000	0.00585
	Nicobar	15	20	-	0	0.00671	0.00008	0.01	0.00000	0.00000	0.00290
•	Sub-total	190	187	20	5	0.19741	0.00458	687.81	3.85000	0.20740	0.06312
	Average	19	18.7	7	•	1	•		•	1	1

Year	Name of KVK	Change in family income (%)	Change in family consumption level (%)	Change in availability of agricultural implements/tools (no. per household)	Number of technologies identified after assessment	Upgraded skills and knowledge of farmers (in lakh)	Oriented extension personnel in frontier areas of agricultural technology (in lake)	Increased availability of quality seed (q)	Increased availability of quality planting material (in lakh)	Increased availability of live-stock strains and fingerlings (in lakh)	Testing of soil & water samples for balance fertilizer use (in lakh)
2019-20	Gajapati	15	15	2	-	0.01667	0.00020	00.00	0.75118	0.00000	0.00194
	Kandhamal	25	13	-	2	0.02321	0.00059	258.00	0.86800	0.08116	0.0082
	Malkangiri	24	27	4	-	0.02108	0.00089	55.00	0.05500	0.02000	0.00426
	Mayurbhanj-I	30	27	9	-	0.00792	0.00022	478.40	0.34069	0.06100	0.002
	Mayurbhanj-II	18	12	4	-	0.01531	0.00035	09.86	0.41820	0.01882	0.0012
	Nabarangapur	30	29	9	-	0.02147	0.00112	56.29	0.21100	0.00000	0.00378
	Rayagada	20	23	က	2	0.03082	0.00078	97.00	0.23150	0.30100	0.00344
	Sundargarh-I	17	24	4	-	0.01973	0.00123	39.00	0.79000	0.01000	0.0024
	Sundargarh-II	21	26	0	-	0.02050	0.00079	00.00	0.00000	0.00000	0.00352
	Nicobar	01	10	-	-	0.00408	0.00028	0.01	0.00000	0.00000	0.00008
S	Sub-total	210	206	31	12	0.18079	0.00645	1052.30	3.66557	0.49198	0.03082
	Average	21.0	20.6	3.1	ı	,	1	1		1	•
2020-21	Gajapati	17	17	က	-	0.01028	0.00091	00.00	1.41950	0.00000	0.00475
	Kandhamal	23	18	-	2	0.01452	0.00045	245.64	0.62965	0.01200	0.00527
	Malkangiri	21	25	4	-	0.01515	0.00046	189.4	0.32300	0.51100	0.00185
	Mayurbhanj-I	19	20	2	-	0.01195	0.00074	575.00	1.70812	0.03050	0.00314
	Mayurbhanj-II	25	22	Ŋ	1	0.01147	0.00027	172.40	0.96550	0.02180	0.00297
	Nabarangapur	21	25	4	-	0.01125	0.00102	118.30	0.87035	0.00000	0.00440
	Rayagada	19	23	4	2	0.01446	0.00082	231.00	0.82100	0.12600	0.00250
	Sundargarh-I	21	25	4	2	0.00639	0.00078	178.00	1.86000	0.00899	0.00470
	Sundargarh-II	23	26	-	-	0.01430	0.00089	0.00	0.00000	0.00000	0.00134
	Nicobar	15	10	က	-	0.00195	0.00027	0.00	0.00450	0.00000	0.00010
S	Sub-total	204	211	34	13	0.11172	0.00661	1709.74	8.60162	0.71029	0.03102
	Average	20.4	21.1	3.4	1	1	1	ı	ı	ı	•
2021-22	Gajapati	17	20	4	4	0.01120	0.00050	00.0	1.48976	0.00000	0.00160
	Kandhamal	33	18	ന	4	0.01614	960000	286.00	0.64621	0.00100	0.00890
	Malkangiri	23	28	2	က	0.01459	0.00056	178.20	0.06527	0.20826	0.00456
	Mayurbhanj-I	27	23	4	7	0.01862	960000	673.00	2.29350	0.03390	0.00197
	Mayurbhanj-II	15	20	2	4	0.01735	0.00192	123.00	0.91470	0.01200	0.00178
	Nabarangapur	30	32	2	9	0.01875	0.00200	80.90	0.96000	0.00000	0.00372



Year	Name of KVK	Change in family income (%)	Change in family consumption level (%)	Change in availability of agricultural implements/	Number of technologies identified after	Upgraded skills and knowledge of farmers	Oriented extension personnel in frontier areas	Increased availability of quality seed (q)	Increased availability of quality planting	Increased availability of live-stock strains and	Testing of soil & water samples for balance
				tools (no. per household)	assessment	(in lakh)	of agricultural technology (in lakh)		material (in Iakh)	fingerlings (in lakh)	fertilizer use (in lakh)
	Rayagada	19	24	4	2	0.01956	98000'0	245.00	0.19500	0.04129	0.00356
	Sundargarh-I	20	27	Ŋ	7	0.01930	9600000	92.06	0.91000	0.01010	0.00238
	Sundargarh-II	20	31	2	က	0.01227	0.00105	00.00	0.00000	0.00000	0.00243
	Nicobar	16	01	4	က	0.00462	0.00023	0.01	0.08450	0.00000	0.00010
	Sub-total	220	233	41	43	0.15240	0.01000	1678.17	7.55894	0.30655	0.03100
	Average	22	23.3	4.1			1		1		•
2022-23	Gajapati	23	23	Ŋ	က	0.01265	0.00044	0	1.89484	0.00000	0.00220
	Kandhamal	21	25	m	က	0.01396	0.0030	271.08	2.10000	0.00330	0.00390
	Malkangiri	23	28	Ŋ	က	0.01378	0.00108	154.26	0.98620	0.76500	0.00375
	Mayurbhanj-I	30	34	S	က	0.01043	0.00157	959.15	2.23400	0.05500	0.00276
	Mayurbhanj-II	30	36	വ	2	0.01027	0.00189	196.30	1.07050	0.01800	0.00026
	Nabarangapur	21	20	4	4	0.01525	0.00112	261.12	1.28704	0.00000	0.01460
	Rayagada	21	16	വ	4	0.01732	0.00146	267.24	0.38011	0.00800	0.00340
	Sundargarh-I	19	21	4	4	0.01312	0.00110	148.00	0.68100	0.50987	0.00422
	Sundargarh-II	19	21	ო	4	0.01587	0.00123	00.00	0.00000	0.00000	0.00382
	Nicobar	15	16	က	2	0.00965	0.00014	0.00015	0.01640	0.00000	0.00000
·	Sub-total	222	240	42	32	0.13230	0.01303	2257.15	10.65009	1.35917	0.03891
	Average	22.2	24	4.2	ı		ı	ı	ı	•	•
	Total	1258	1268	217	117	0.93334	0.06431	8480.01	41.5967	3.52828	0.23216
ŏ	Overall average	20.97	21.13	3.62	1	1	1	1	1	-	ı







# CHAPTER 6

# **TECHNOLOGIES SCALED-UP**

The potential technologies which were successfully demonstrated by the KVKs were scaled up with the help of state line departments and other organizations for their wider adoption of the farmers in the districts. The KVK-wise details of those scaled up technologies done by the KVKs under TSP/STC during the period from 2017-18 to 2022-23 have been shown in the table below.

Table: Details of scaled-up technologies demonstrated by the KVKs under TSP/STC during 2017-18 to 2022-2023

Name of state/UT	Name of KVK	Name/title of technology scaled up	Brief about technology	Area covered in the district (in ha)	Unit established in the district (No.)	Total no. of farmers involved
Odisha	Gajapati	Introducing maize var. <i>'Kalinga Raj'</i>	Maize var. 'Kalinga Raj' is medium duration, suitable for kharif upland situation with potential yield of 79.5 q/ha. The var. is resistant to common rust, moderately resistant to MLB and TLB	300	-	750
		Popularizing improved ragi variety 'Arjuna' in kharif	Ragi var. 'Arjuna (OEB-526)', is 126 days duration, moderately resistant to leaf blast, finger blast and brown seed disease. It has high yield (20 q/ha) potential	700	-	2500
		Popularization of on octagonal hand maize sheller	Octagonal in shape and mild steel body with four tapered cutting fins	400	-	1000
	Kandhamal	INM and IPM technology in garden pea	High yielding variety garden pea 'GS-10', FYM 5 t/ha, seed rate 50 kg/ha, seed treatment with rhizobium 20 g/kg of seed, spacing 30 x 10 cm, application of biofertilizers @ 12 kg/ha (Azotobacter + Azospirillum + PSB: 4+4+4= 12 kg/ha), application of boron @ 1kg/ha at the time of sowing, application of 75 % of recommended dose of N:P2O5:K2O as per soil test results and need based application of plant protection chemicals	1200	-	9600
		INM and IPM technology in cabbage	Hybrid cabbage variety 'Hare Krishna', seed rate – 0.3 kg/ha, FYM 5 t/ha, spacing (60 x 45) cm, seed treatment with vitavax power @ 2 gm /kg seed, application of biofertilizers @ 12 kg/ha (Azotobacter + Azospirillum + PSB: 4+4+4= 12 kg/ha), soil application of boron @ 1 kg/ha at the time of sowing, application of 75 % of recommended dose of N:P2O5:K2O as per soil test results and need based application of plant protection chemicals	950	-	6650
		INM and IPM technology in cauliflower	Hybrid cauliflower variety 'Poornima', seed rate- 0.3 kg/ha, FYM 5 t/ha, spacing (60 x 45) cm, seed treatment with vitavax power @ 2 gm/kg seed, application of biofertilizers @ 12 kg/ha (Azotobacter + Azospirillum + PSB: 4+4+4= 12 kg/ha), soil application of boron @ 1 kg/ha at the time of sowing, application of 75 % of recommended dose of N:P2O5:K2O as per soil test results and need based application of plant protection chemicals	1020	-	9180
		Cultivation of paddy straw and oyster mushroom	Technologies of paddy straw mushroom spawn production during <i>kharif</i> and oyster mushroom spawn production during <i>rabi</i> were popularized among farmers	-	100	510
		Popularizing different improved poultry breed	Improved breed like 'Kaberi', 'Sonali', 'Kadaknath', 'Vanaraja' etc. have been popularized in the district	-	7000	2000



Name of state/UT	Name of KVK	Name/title of technology scaled up	Brief about technology	Area covered in the district (in ha)	Unit established in the district (No.)	Total no. of farmers involved
	Malkangiri	Popularizing backyard poultry	Poultry breeds like <i>'Kadaknath'</i> and <i>'Sonali'</i> were popularized under backyard poultry farming 20 birds per unit		1000	500
		Drudgery reduction through using small implements	Improved sickle, rake, khurpi, okra pluckier, maize sheller, spray machine, spade, crow bar etc. were distributed		250	250
		Popularizing mushroom farming	Cultivation of oyster mushroom var. P sajarcaju		300	300
		Use of micro nutrient management in oil seed crops (sesame and sunflower)	Use of sulphur in oilseed crops like sesame variety <i>'Smarak'</i> and Sun flower variety <i>'Kaveri'</i>	100	-	106
	Mayurbhanj-l	Popularizing poultry rearing	Popularized the rearing of 'Rainbow Rooster', 'Kadaknath', 'Aseel' and 'Vezaguda' poultry birds under backyard rearing	-	624	600
		Popularizing mushroom cultivation	Popularized scientific mushroom cultivation—i) Paddy straw mushroom production by using mushroom spawn var. <i>Volvariella volvaceae</i> . Bundled paddy straw substrate (3 layers) with normal practice (soaking of 7 kg straw in water for 10–12 hrs, bed preparation with addition of spawn and pulse powder 3%); ii) Oyster mushroom production by using mushroom spawn var. <i>Pleurotus sajor-caju</i> , bundled paddy straw substrate (3 layers) with normal practice (soaking of 2 kg straw (1.5–2" in water for 10–12 hrs, oyster mushroom bag preparation with addition of spawn and boiled wheat–3%)	-	540	540
		Hybrid gyno- dioecious papaya based nutritional gardening in backward condition under TSP programme	Gyno-dioecious papaya var. 'Red lady' in backyard condition to alleviate nutritional deficiency (mostly vit. A) common in tribal villages of Mayurbhanj	591	-	1120
		Community- based nursery raising	Engagement of migrant's labours for their sustainable livelihood through group approach through providing 200 micron UV stabilized polythene sheet	-	522	522
	Mayurbhanj-II	Scientific rearing of poultry birds under free-range system	Rearing of poultry breed 'Rainbow Rooster', 'Kadaknath', 'Aseel', 'Palishree' and 'Vezaguda' after vaccination and scientific feeding	-	859	800
		Mushroom cultivation for nutritional security	Cultivation of paddy straw mushroom (Volvareilla volvaceae) and oyster mushroom (Pleurotus sajorcaju and P. Florida, Hypsizygus ulmarius) with scientific management practices	-	538	500
		Hybrid maize production through improved package and practices	Hybrid maize variety <i>'Kalinga Raj (OMH 14-27)'</i> production through INM and IPM technologies	215	-	514
		Mechanized DSR	Line sowing of rice after pre monsoon in well prepared seed bed by seed cum fertilizer drill followed by following herbicide protocols	945	-	1120



Name of state/UT	Name of KVK	Name/title of technology scaled up	Brief about technology	Area covered in the district (in ha)	Unit established in the district (No.)	Total no. of farmers involved
		Papaya based vegetable farming	Popularizing vegetable production in papaya field with INM technologies	225	-	562
		Mechanized sowing of maize	Line sowing of maize by tractor drawn seed cum fertilizer drill	570	-	1425
		Value addition of finger millet	Preparation of value added products from millet (50%) + 50% maida such as laddu, kurkure, biscuit, muduku etc		556	1570
		fall armyworm in	Applying <i>Beauveria bassiana</i> @ 400 gm/acre. Apply 1.5% Chloropyrifos dust thickly in the field bund for avoiding migrating from one field to another field	1400	-	2750
		of practices of mustard	Scientific cultivation of improved variety mustard through-i) Spraying of Azadirachtin 0.15 % and Acephate + Fenvalerate 0.028 % to control aphids, ii) Line sowing by seed cum fertilizer drill and iii) STBF application	750	-	1840
		for improving nutritional security of farm	Nutritional garden with protein vitamins & iron rich vegetables and fruits with consumers preference, trellis structure with pp rope for raising cucurbit, protray for raising seedlings in small quantity, and cement ring tank for vermi composting	-	780	780
	Nabarangpur	finger millet var. 'Arjun (OEB526)'	Popularized OUAT developed high yielding finger millet variety 'Arjun (OEB526)' with the help of district Agril. Department, Nabarangpur. The variety was incorporated in the 'Odisha Millet Mission Programme' in all 10 blocks of Nabarangpur district	300	-	700
		Scientific oyster mushroom cultivation	Popularized scientific cultivation practices of oyster mushroom	-	512	1575
	Rayagada	sweet corn var. <i>'Sugar-75'</i>	Sweet corn was introduced with following package of practices- Spacing: 60 x 25 cm, fertilizer dose of NPK:80:40:40 kg/ha, seed rate: 6 kg/ha	264	-	512
			<i>Vanaraja'</i> was introduced with following management practices- 21 days old birds, timely vaccination and supplementary feeding and birds become upto 2.6 kg within 8 months	-	616	616
		sunflower var.	Cultivation of hybrid sunflower var. 'PAC 334' with spacing of 60 x 30 cm, fertilizer dose- 80:80:60 kg NPK/ha, foliar spraying of Boron @ 1kg/ha and need based PP chemicals	343	-	660
		Popularization of finger millet var. 'Arjun (OEB526)'	Popularized finger millet var. <i>'Arjun (OEB526)' against</i> var. <i>'Bada Mandia'</i>	218	-	568
		management in	Application of Pendimethalin @ 1.0 Kg a.i./ ha as pre- emergence with Qiizalofop-p-ethyle @ 50g a.i./ ha and one hand weeding at 45 DAS	428	-	710
		Introduction of intercropping of cotton in pigeon pea with 8:2 ratio	Popularized the intercropping of cotton with pigeon pea with 8:2 ratio	1225	-	2130
		Introduction of drought tolerant rice varieties in rain-fed uplands	Drought tolerant var. <i>'Swarna Shreya'</i> was introduced against existing var. <i>'Sahabhagi Dhan'</i> . in rainfed uplands	387	-	932
		Introduction of medium duration rice var. 'Hasanta' for BPH tolerance	Variety 'Hasanta' was introduced against farmers existing var. 'Pratikshya'	254	-	620



Name of Name of KVK state/UT	Name/title of technology scaled up	Brief about technology	Area covered in the district (in ha)	Unit established in the district (No.)	Total no. of farmers involved
	Introduction of pigeon pea var. <i>'PRG-176'</i> in rainfed upland	Drought and pod borer pest tolerant var. 'PRG-176' was inintroduced	412	-	810
	Management of tea mosquito bug in cashew	Application of Lambda cyhalothrin @ 2 ml/lt. at new flushing stage, Malathion @ 2 ml/lt. at flowering and Profenophos @ 2 ml/lt. at fruiting stage	342	-	822
	Introduction of ragi thresher- cum-pearler	A ragi thresher cum pearler has been developed for simultaneous threshing and pearling operation of harvested and dried ragi fingers. The output of the machine was 80-85 kg/h with 92% threshing efficiency. This machine can be operated by 1.0 hp electric motor and threshing and cleaning efficiency of this equipment were 90-93% and 90-92%, respectively	314	-	805
	Scientific paddy straw mushroom cultivation	Scientific (soaking substrate in lime water, cultivation in bundles, covering polythene till completion of mycelium, adequate watering and proper bed dimension) cultivation of paddy straw mushroom	-	612	612
	Management of fall armyworm	Dusting 1.5% D Chlorpyriphos in bund @ 25 kg/ha just after germination, need based spraying of Chloropyriphos + Cypermethrin @ 2 ml/ lit and Chlorantraniliprole 18.5% SC @ 0.4 ml/ lit, alternately at 10 days interval	480	-	864
	Introduction of oyster mushroom ( <i>P. pulmonarius</i> ) cultivation during winter	Introduced oyster mushroom cultivation (Biological efficiency > 20-30 days, crop cycle 45-60 days, soft in texture & appreciable taste & flavour and farmers and accepted for high biological efficiency and more yield)	-	583	583
	Pod borer management in pigeon pea	Maize as border crop, pheromone traps & helilure @ 20 nos./ha, spraying of Azadiractin 0.15% @ 1.5 I/ha at 50% flowering followed by Flubendiamide 48SC @ 200ml/ha (2ml/5 litre water) at pod formation stage and Bt @ 1kg/ha (2g/litre) at 15 days intervals	386	-	640
Sundargarh-I	Application of Zinc and Boron in transplanted rice	STBF + Basal application of $\rm ZnSo_4$ (21% Zn) @ 25kg/ha + Foliar application of Boron (20%) @ 1.5g/lt at flowering stage	500	-	1200
	Effect of short duration technology videos on technology adoption	Prepared short duration (1.5-2.0 minutes) videos on different technologies of selected commodities and the same were sent through <i>Whatsapp</i> of identified farmers for its adoption	-	1000	2500
	Introduction of milky mushroom cultivation for income generation (Calocybe indica)	Milky mushroom ( <i>Calocybe indica</i> ) was introduced	-	500	500
	Popularizing paddy straw mushroom	Popularized paddy straw mushroom	-	8000	8000
	Introduction of honey bee rearing	Scientific beekeeping with Apis-cerana indica introduced	-	500	500
	Popularized vermicomposting	Vermicomposting was popularized	-	1000	1000
	Iron toxicity management in rice	Iron toxicity in rice was managed with application of 25 kg $\rm ZnSo_4/ha$ and top dressing of MOP@ 30 kg/ha after drainage of water	530	-	1600



Name of state/UT	Name of KVK	Name/title of technology scaled up	Brief about technology	Area covered in the district (in ha)	Unit established in the district (No.)	Total no. of farmers involved
		Nutritional garden for nutritional security of farm families	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits	-	650	650
		Popularizing oyster mushroom (Hyspizygus ulmarius)	Scientific oyster mushroom (Hyspizygus ulmarius) cultivation (straw cutting 2-3 inches, soaking in 2% CaCo <sub>3</sub> for 6 hrs straining with moisture 65%, Spawn-150 gm) cultivation was popularized	-	550	550
		Introduced scientific rearing of coloured poultry birds under backyard system	Rearing of coloured poultry bird under backyard system with proper vaccination was introduced.	-	600	600
		Introduction of drought tolerant rice variety 'Swarna Shreya'	Line transplanting of drought tolerant rice var. 'Swarna Shreya' with RDF (60:30:30 Kg/ha) and application of post emergence herbicide Bispyribac sodium (200 ml/ha) for controlling weed	600	-	1650
		Preparing ragi biscuits for nutritional security	Ragi biscuit preparation was introduced for nutritional security	-	500	500
	Sundargarh-II	Introduction of garden pea cultivation	Garden pea variety 'KSP-110' were introduced; seed treated with Carbendazim; sown in spacing 50 x 20 cm; NPK applied @ 50:75:50 kg/ha	80	-	370
		Popularized nutritional garden	Trellis structure with Plastic rope for raising cucurbits, protray/ low-cost poly tunnel for raising seedlings in small quantity + vermi bed for composting. Growing of vegetables round the year covering leafy vegetables, Solanaceous vegetables, roots and tubers, cucurbits suiting to consumption pattern + two papaya plants, one lemon, one drumstick and two banana and floriculture in bunds	-	650	650
		Scientific backyard poultry rearing	Rearing of poultry bird i.e. <i>'Kadaknath', 'Saurangi'</i> and <i>'Assel'</i> under backyard free range system with vaccination and healthcare	-	300	300
		Paddy straw and oyster mushroom cultivation	Popularization of paddy straw and oyster mushroom cultivation following scientific methods	-	330	330
		Introduction of hybrid maize ('Kalinga Raj')	Introduced OUAT developed hybrid variety 'Kalinga Raj' with spacing 60 x 25 cm, NPK 120:60:60 and weed management by application of Atrazine	50	-	250
A & N Islands	Nicobar	Popularizing vegetable cultivation	Round the year vegetable (Okra, brinjal, and cowpea) cultivation was popularized	10	-	20
		Popularizing scientific pig rearing	Scientific pig rearing was popularized among Island farmers		30	20
		Popularizing integrated farming system	Horticulture-based integrated pig and poultry farming were popularized	7	-	12

### CHAPTER 7

# **SELECTED SUCCESS STORIES**

The KVKs of this zone guided the tribal farmers to establish their agri-business and documented the success cases of many tribal farmers during the period under report which are described as under.

# Gajapati KVK

### Farm innovator becomes an opinion leader



Name : Sri Rama Badamundi

Address : Village- Alama, G.P.- Subalada, Block- R. Udayagiri,

District- Gajapati, Odisha

Land holding : 6 Acre

Contact no. : 09439160795 (M)

Sri Rama Badamundi is a progressive farmer who has 6 acre farm land where he used to grow maize in 2 acre (rainfed unbunded upland), rice in 2 acre (rainfed medium land) in *kharif* season and vegetable during *rabi* season. With the intervention of KVK scientists, he adopted intercropping of maize + cowpea (2:2) at 30 x 90 cm (plant to plant-30 cm) spacing and gained profit as compared to sole cropping of maize. As per the advice of the scientist, he used hybrid maize variety *PAC 740* and a bushy type YMV resistant cowpea variety *Kashi Kanchan* for intercropping. He followed seed treatments in cowpea with *Rhizobium* culture and using *Azotobacter* and *PSB* in vegetables. He applied fertilizers on the basis of soil test results as per recommendations given by KVK scientists. The integrated nutrient (INM) and pest management (IPM) practices were also practiced in rice which increased his income. The income from vegetables was raised due to INM in offseason cauliflower and *rabi* knolkhol. He cultivated high value vegetable crops like broccoli, carrot, radish, tomato and garden pea. Sri Badamundi also encouraged his fellow farmers to follow the above technologies and practices.





Not only that, Sri Badamundi has designed a three tyne cycle weeder which is being used for weeding, hoeing and hedging operation in the vegetable fields. The implement works 3 times better than manual labour with a capacity of 180-200 m<sup>2</sup> per hour in comparison to human capacity of 50-60 m<sup>2</sup> per hour, and the cost of operation is only Rs.1250/-. His innovation has



been appreciated at the district as well as state level. He was recognized by ICAR-ATARI Kolkata and felicitated in the Farm Innovators' Meet at ATARI Kolkata during the year 2018-19. Farmers of his village and nearby villages are also procuring his designed weeder and are using in their field operations.

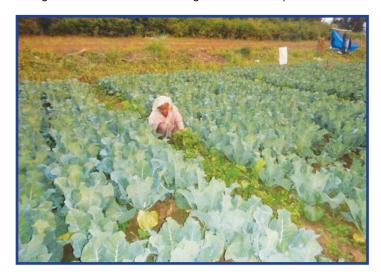




Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B:C Ratio					
Before intervention									
Rice	24000	41600	17600	1.73					
Maize	26250	45000	18750	1.71					
Mango	17500	37500	20000	2.14					
Total	67750	124100	56350						
After intervention									
Rice	27600	60800	33200	2.20					
Maize + Cowpea	25800	64000	38200	2.48					
Mango	22125	52500	30375	2.37					
Vegetables	27470	80000	52530	2.91					
Total	102995	257300	154305						

Enterprise	Horizontal spread		Vertical spread		Overall				
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*				
Before intervention									
Rice	3 ha	14	7 ha	38	3				
Maize	5 ha	23	10 ha	46	4				
Mango	11 ha	54	17 ha	67	3				
After intervention									
Rice	17 ha	54	24 ha	76	4				
Maize+Cowpea	28 ha	96	34 ha	178	5				
Mango	21 ha	83	37 ha	157	4				
Vegetables	19 ha	134	31 ha	192	4				

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

He has been recognized as an innovative and progressive farmer among his fellow farmers. His interview was telecasted in Doordarshan's Kristi Darshan programme which created more popularity among the farming community of nearby villages. He also encourages his farmer friends to follow soil test-based fertilizer application and use of organic manures in agricultural farming. The farmers of nearby villages have been influenced by his technology adoption.



### High value vegetable cultivation as a source of additional agricultural income



Name : Sri Iswar Raita

Address : Village- Kankadaguda, G.P.- Sabarpalli, Block- R. Udayagiri,

District- Gajapati, Odisha

Land holding : 4 Acre

Contact no. : 08480305782 (M)

Sri Iswar Raita, a small farmer of Kankadaguda village, was heading a five-member family. He had 4 acre land in which he usually cultivated maize in 2 acre, rice in 2 acre during *kharif* season. He also had 4 dairy cows. He used to cultivate maize wherein the seed and all other critical inputs were supplied by Sahukar of his village from which he could earn very low profit. Due to lack of knowledge and guidance, he was unable to utilize the perennial water source nearby his fields during *rabi* season. He came in contact with the scientists of Gajapati KVK. During one training programme in the year 2016-17 at the KVK, he was identified as a very hard working and adoptive farmer. After sincere advice, technical guidance and motivation from the KVK scientists, he procured hybrid maize seed and other inputs from his own and adopted improved package of practices, soil test-based fertilizer application in rice and maize, used micronutrients in maize, adopted pest management practices in rice and saved other input costs out of it. He procured a pair of cattle and one pump set from the saved money which he utilized in vegetable cultivation during *rabi* season in half acre land.





During different OFT and FLD programmes, he was provided with two honey bee boxes and high value vegetable (broccoli, cauliflower, tomato, brinjal and onion) seedlings. He had regular contact with the KVK, attended different meetings including farmer-scientist interaction and the scientists used to visit his farm frequently.









### Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice	36000	47600	11600	1.32
Maize	29600	51000	21400	1.72
Desi cow	24000	31200	7200	1.30
Total	89600	129800	40200	
After intervention				
Rice	17000	35100	18100	2.06
Maize + Garden pea	25800	64000	38200	2.48
Vegetables	84000	192000	108000	2.29
Dairy cow	32400	43200	10800	1.33
Total	159200	334300	175100	

Enterprise	Horizontal spread		Vertical spread		Overall				
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*				
Before intervention									
Rice	3 ha	14	7 ha	29	2				
Maize	5 ha	23	14 ha	71	3				
Cow	2 in no.	12	2 in no.	16	3				
After intervention									
Rice	19 ha	76	34 ha	119	5				
Maize + Garden pea	31 ha	95	48 ha	137	5				
Vegetables	17 ha	123	39 ha	182	4				
Cow	3 in no.	34	3 in no.	41	4				

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

As a small tribal farmer, he becomes a role model for all the other farmers of Kanakadaguda and nearby villages of R. Udayagiri block. He was also a member of SAC of Gajapati KVK during 2016-17 to 2018-19. Now, he increased the area up-to 1 acre for vegetable cultivation throughout the year and is planning to buy a tractor for agricultural operations.

### Kandhamal KVK

## Nutritional security through backward poultry rearing and mushroom cultivation



Name : Mrs. Bhaktimala Nayak

Address : Village-Guduripadi, P.O.-Kanbagiri, Block- G.Udayagiri,

District- Kandhamal, Odisha

Land holding : 2.5 Acre

Contact no. : 08280804452 (M)

Mrs. Bhaktimala Nayak, W/O-Shri Samson Nayak of village Guduripadi, district-Kandhamal, Odisha, is a progressive lady with a zeal to do something substantial to benefit her family and society. As her husband had a marginal land holding, it



became very difficult for them to earn their livelihood from the existing resources. They had a very harsh life with lots of grief and hunger. Mrs. Nayak approached Krishi Vigyan Kendra Kandhamal and attended the trainings of oyster mushroom cultivation and backyard poultry rearing with high yielding colour breeds during September, 2019. Then, she started mushroom cultivation in her house as per the guidance and support from the scientists of KVK and supplied with the required number of spawn bottles from KVK Kandhamal under TSP project. Inspired by the initial success with encouraging support from her husband, she constructed a low-cost mushroom production unit at the cost of Rs. 30000/- which was attached to her house and started producing mushroom regularly. She also made a small night shelter for 100 birds at the cost of Rs. 10000/- and started backyard poultry rearing. To begin with the poultry brooding unit, KVK provided her 100 numbers of 21-day-old *Vanaraja*, *Kadaknath* and *Kalinga* brown poultry chicks under TSP project.





Based on her experience, she started offering hands-on training to other farm women in groups and to the youths to disseminate the technologies. Inspired by her success, many farm women from the nearby areas started approaching KVK Kandhamal during COVID-19 lockdown period for starting those small income generating enterprises at their backyards for sustenance and managing the livelihood. Due to her initial effort, many mushroom growers have come up in G. Udayagiri block and for which there was no scarcity of mushroom during the winter season.







### Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice	12000	33600	21600	1.8
Total	12000	33600	21600	
After intervention				
Rice	15000	42000	27000	1.8
Poultry	20000	72000	52000	2.6
Oyster mushroom	40800	220800	180000	4.4
Total	75800	334800	259000	

Enterprise	Horizontal spread		Vertical spread	Overall	
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	110 ha	120	8.57 ha	120	4
After intervention					
Paddy	215 ha	312	10.7 ha	312	5
Poultry	78 ha	21	78 ha	21	4
Oyster mushroom	102 ha	10	100 ha	10	5

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

N.B.: Sale rate paddy @ 1400/qtl, Sale rate of oyster mushroom @ Rs. 115/- per kg, Cost of poultry chicks @ Rs. 400/- per chick.

Mrs. Nayak could able to put around 1600 bags of oyster mushroom during October to March and produced a total of 19.20 q mushroom during 2020-21. The produce could earn her a total net profit of Rs. 180000/- within 6 months. She sold all the produces from home in retail mode. She started producing dry mushroom in case of excess production and during distress sale. During summer months, owing to the reduction in yield of oyster mushroom, she put more effort on backyard poultry rearing by which she could earn an additional income of Rs. 52000/- from 200 numbers of poultry birds. In total, Mrs. Nayak earns around Rs. 232000/- per annum without having any land resources from two above enterprises.

## Off season vegetable cultivation as an alternate source of livelihood improvement



Name : Mr. Janardan Pradhan

Address : Village- Penala, Block- Tikabali,

District- Kandhamal, Odisha

Land holding : 5 Acre

Contact no. : 09692968823 / 0876392589 (M)

During COVID-19 pandemic, one 28 years old tribal youth, Sri Janardan Pradhan, the brother of three, belongs to Penala village of Kandhamal district, returned home from Kerala with lots of despair, grief and hunger. He had no idea of his future as



his family was having marginal land holding with no background of modern agricultural practices. He had only 0.4 ha rainfed medium land for paddy cultivation and 0.4 ha irrigated upland on which his family was cultivating various vegetables like tomato, brinjal and cucurbits following traditional practices. They could earn an annual income of Rs. 50000/- from their existing land and bound to sustain miserably. He heard the name of KVK Kandhamal from somebody. When the scientists of KVK Kandhamal were surveying his village in search of some young, energetic and enthusiastic farmers for involving in different activities under tribal sub plan project. Under TSP project, KVK included Mr. Pradhan as a beneficiary for conducting the activity of off-season chilli cultivation during *kharif* 2020. He was advised to conduct the demonstration which included, use of highly pungent HYV chilli var. *Suryamukhi* with tolerance to wilt & thrips, application of vermicompost @ 5 q/ha, soil test-based fertilizer and micronutrient application and application of VAM @ 20 kg/ha and bio-consortia @ 12 kg/ha and following need-based plant protection measures. All the critical inputs were provided from the project fund and fields were regularly monitored by the KVK scientists. The demonstration started during July 2<sup>nd</sup> fortnight by raising nurseries, the 1<sup>st</sup> picking was done after 70 DAT and continued for as long as 4 months with a total of 11 pickings.





After completion of the crop period, it was found that Mr. Pradhan could able to harvest a total of 64.4 q green chilli from his 0.4 ha land which accounted to a yield of about 161.2 q/ha with reduced disease and pest incidence. He got a higher price of Rs. 5000/- per q due to more market demand in the peak season as well as the high pungency character of the variety. He got a net profit of Rs. 211000/- from his 0.4 ha land which was around 65% more than the traditional practice followed by other farmers in his village.

Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio				
Before intervention								
Rice	3200	8960	5760	1.8				
Tomato	14004	36325	22321	1.6				
Brinjal	12643	34562	21919	1.73				
Total	29847	79847	50000					
After intervention								
Rice	4000	11200	7200	1.8				
Chilli	62546	273746	211000	3.37				
Total	66546	284946	218200					



Enterprise	Horizontal spread		Vertical spread	Overall		
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*	
Before intervention						
Rice	121 ha	25	8.57 ha	25	4	
Tomato	321 ha	45	250.40 ha	45	4	
Brinjal	250 ha	39	258.60 ha	39	4	
After intervention						
Rice	185 ha	32	10.60 ha	32	4	
Chilli	398 ha	52	136.10 ha	52	5	

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

The outcome of the demonstration has motivated the other nearby farmers to adopt chilli cultivation with recommended package of practices during off-season period to fetch more and more net profit. Mr. Pradhan's success was recognized by many leading farmers, Govt. officials and other NGOs during the crop period and he got lots of confidence. From this success, Mr. Pradhan could able to purchase one motorbike for easy transporting of his produce and an android mobile set. He could able to engage 2 labourers for 4 months in his farm and renovated his dilapidated house. Now, he has become a source of inspirations for other farmers in the nearby villages and other farmers also following chilli cultivation.

## Malkangiri KVK

### Tribal youth becomes pioneer farmer in the district



Name : Mr. Prakash Chandra Durka

Address : Village- Korkonda,

District-Malkangiri, Odisha

Land holding : 6 Acre

Contact no. : 09777104108 (M)

Mr. P. C. Durka is a very young, energetic and hardworking tribal youth from Korkonda Village, District- Malkangiri, Odisha who belonged to 6 acres parental upland irrigated land in South Eastern Ghat Zone for agricultural production. He had keen interest in agriculture from his childhood and used to help his father in different agri-operations. In their land, with his parents, he used to cultivate rice and groundnut under conventional methods. From which they could earn an annual profit of Rs. 1.76 lakh which was not satisfactory. Mr. Prakash was searching for the new available technologies for agriculture and approached scientists of KVK Malkangiri. As per advice of scientists, he attended various skill development training programmes at the KVK on scientific management of rice, groundnut, sweet corn, water melon and many others. He diversified his total land for all the above crops in place of only two crops in a year. Finally, he requested KVK Malkangiri to demonstrate those crops in his field along with new available package of practices. Accordingly, KVK demonstrated 'Kalinga dhan-1203', 'Kalinga dhan-1205', 'Mandakini', 'CR Dhan-202', disease resistant variety of groundnut and sweet corn var. 'VL Sweet Corn-1' and 'Pusa Sweet Corn-1' in his fields. It resulted increase in his annual profit of about Rs. 3.2 lakh which was substantially higher than his earlier annual income.









Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice	70000	122472	52472	1.74
Groundnut	176000	300000	124000	1.70
Total	246000	422472	176472	
After intervention				
Rice	70000	147852	77852	2.11
Groundnut	192500	342500	150000	1.77
Sweet corn	38000	85000	47000	2.23
Water melon	42300	85000	42700	2.0
Total	342800	660352	317552	

Enterprise	Horizontal spread		Vertical spread	Overall		
	Acre or hectare covered/no. of livestock unit or no. of livestock	No. of farmers	Acre or hectare covered/ no. of livestock unit or no. of livestock		impact*	
Before intervention						
Paddy	100 ha	20	3.8 ha	05	4	
Groundnut	70 ha	40	7.5 ha	10	3	
After intervention						
Rice	170 ha	32	20 ha	12	4	
Groundnut	150 ha	60	45 ha	20	4	
Sweet corn	50 ha	25	04	10	5	
Water melon	30 ha	22	14	20	4	

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

His hard work and curiosity in agriculture made him a 'Role Model' in the village. Now, he has become one famous youth tribal farmer in the district and is helping other farmers to start agri-business. People from his village and from the adjacent villages are being convinced with his farming and are taking his advice time to time.



### Mayurbhanj-I KVK

### Integrated farming: An approach to boost up farmers family income



Name : Mr. Radhanath Singh

Address : Village-Salbani, GP-Rangamatia, Block-Shayamakhunta,

District-Mayurbhanj, Odisha

Land holding : 6 Acre

Contact no. : 09437855455 (M)

The integrated farming system (IFS) approach introduces a change in the farming techniques for maximum production in the cropping pattern and takes care of optimal utilization of resources. The farm wastes are better recycled for productive purposes in the integrated system. The KVK plays active role in propagating the technologies, which were developed by different institutes with the help of line departments, among the farmers in the district. Among those farmers, Mr. Radhanath Singh, is a well-educated progressive and successful farmer from Salbani village of Mayurbhanj district, was very interested in developing IFS in his agricultural land. Seeing his enthusiasm in IFS, scientists of Mayurbhanj-I were visiting time to time to his farms to provide disease diagnostic services. Sometimes, Animal Husbandry and Fisheries department of the state were involved for the services. The KVK trained him for integrated insect pest, disease and nutrient management of different agricultural and horticultural crops. Mr. Singh was also enriched with knowledge on scientific fish management through state Fisheries department. He started cultivating papaya var. 'Red Lady' which was supplied by the KVK. Mr. Singh started IFS near his residence with 2 fish ponds, 150 desi poultry birds, 8 milking cows and 6 acres crop field including horticulture. After adopting IFS, he is able to earn Rs 2.75 lakh to 3.5 lakh per annum from his land.





Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice	105000	146000	51000	1.39
Total	105000	146000	51000	
After intervention				
Maize	60000	102000	42000	1.70
Papaya	120000	250000	130000	2.08
Dairy	225000	350000	125000	1.56
Pisciculture	55000	125000	70000	2.27
Total	460000	827000	367000	



Enterprise	Horizontal spread		Vertical spread	Overall	
	Acre or hectare covered/no. of livestock unit or no. of livestock	No. of farmers	Acre or hectare covered/ no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	160 ha	32	5.25 ha	32	3
After intervention					
Maize	154 ha	45	10.50 ha	45	4
Papaya	143 ha	36	8.63 ha	36	5
Dairy	09	6	2	6	5
Pisciculture	15	8	3	8	5

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

The IFS provides him a sustainable income throughout the year for his family and he has improved his socio-economic status. He has been instrumental in facilitating exposure visit of farmers to his farm and he is famous as 'Role Model' among his fellow farmers especially to the rural youths. Mr. Singh helped 12 farmers in adopting IFS which raised the productivity and income of farmers by several folds and thus, boosted their morale. He is providing spawn, fry and fingerlings for IMC to different farmers and is encouraging them for IFS. He is also providing chicks and raw materials for poultry sheds to the tribal farmers with the collaboration of Integrated Tribal Development Agency (ITDA). Integrated farming system has become a profitable venture if managed it scientifically and its adoption reduces the cost of external inputs and raises the productivity and profitability of the farm with a scope of earning additional income through value added products from milk and vegetables.

### Tribal woman farmer achieved self-sufficiency through agri-enterprises



Name : Mrs. Sonali Soren

Address : Village- Raikanjharan, GP- Betna, Block- Baripada,

District-Mayurbhanj, Odisha

Land holding : 3 Acre

Contact no. : 09437252582 (M)

Mrs. Sonali Soren is a hard-working tribal woman who proved herself as a successful agri-farmers in Mayurbhanj district of Odisha. She had 3 acres of land where she used to cultivate rice under traditional methods. The production was not sufficient enough to fill the stomach of her family members. She came in contact with the KVK scientists, discussed her problems with them and was motivated by the scientists. The scientists suggested her to take trainings for scientific farming. In some portion of her land was converted to mango orchard, other parts for hybrid maize, vegetables and mushroom production along with backyard poultry rearing. After converging with line departments, benefits were given from line departments for various Govt. schemes. Simultaneously, at the KVK, she was trained for hybrid maize cultivation, mushroom production, backyard poultry and adoption of intercropping in orchards.







### Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice	36000	52000	16000	1.44
Total	36000	52000	16000	
After intervention				
Maize	30500	49000	18500	1.61
Mango	65000	145000	80000	2.23
Mushroom	36000	93000	57000	2.58
Poultry	18000	45000	27000	2.50
Vegetables	125000	282000	157000	2.26
Total	274500	614000	339500	

Enterprise	Horizontal spread		Vertical spread		Overall
	Acre or hectare covered/no. of livestock unit or no. of livestock	No. of farmers	Acre or hectare covered/ no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	181 ha	38	7.40 ha	38	3
After intervention					
Maize	114 ha	45	6.50 ha	45	4
Mango	69 ha	36	8.63 ha	36	4
Mushroom	89	31	04	31	5
Poultry	105	42	09	42	5
Vegetables	165 ha	54	10.2 ha	54	5

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

Now, Mrs. Soren is producing hybrid maize, paddy straw mushroom, different types of vegetables during *kharif* and *rabi* season and poultry eggs and meat which resulted her to generate annual profit of Rs. 339500/-. She has not only increased her annual income but also improved her social status in the district. She is guiding many tribal farmers in the district and has become master trainer in horticultural crop production and mushroom cultivation. Other tribal women farmers get inspiration from her to start their agri-business in the area.

## Mayurbhanj-II KVK

## Jawan to Kisan: The tribal farmer proved- where there is a will, there is a way



Name : Sri Debananda Pingua

Address : Village- Askipali, Block- Sukruli,

District-Mayurbhanj, Odisha

Land holding : 16 Acre

Contact no. : 07077853587 (M)

A retired army officer having strong determination become a successful farmer and now, he is leading a comfortable retirement life. He had 16 acres parental land in which he used to cultivate rice in the first year and got very less profit. Then, he approached KVK Mayurbhanj-II, Jashipur. As per advice of scientists of KVK, he participated in various skill training



programmes at the KVK on ICM, IPM and farm mechanization. The KVK started to provide technology on IPM, ICM and farm mechanization and convinced him to convert his uplands for maize cultivation. Accordingly, he started to cultivate rice in 12 acres and maize in 4 acres. He acquired knowledge and skill to use seed-cum-fertilizer drill machine in various crops including DSR. He also used power weeder-cum-ridger in maize, followed management practices of maize and mustard with insect/pest management through TSP programme of KVK. After that, he procured multi-crop seed-cum-fertilizer drill machine, power weeder-cum-ridger, rotavator, tractor, power tiller, axial flow thresher etc. and started a custom hiring centre from his own. In *rabi* season, he started cultivating wheat in 6 acres of land. Now, his annual net income is around Rs. 6.6 lakh and generated employment of 7 to 8 man-days throughout the year.





Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio			
Before intervention							
Rice	84790	220000	135210	1:62			
Vegetables	110122	302000	191878	1:57			
Poultry/ goatery	40500	90000	49500	1:81			
Total	235412	612000	376588				
After intervention							
Rice/maize/wheat/mustard/sunflower	186744	470000	283256	1:65			
Vegetables and fruits	214562	480000	265438	1:80			
Poultry/goatery	176144	2,90,000	113856	2:54			
Total	577450	1240000	662550				

Enterprise	Horizontal spread		Vertical spread		Overall	
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*	
Before intervention						
Rice	93 ha	122	9.6 ha	122	4	
Vegetables	121 ha	63	89.7 ha	63	4	
Poultry/goatery	12 nos.	38	5 nos.	38	3	
After intervention						
Rice/maize/wheat/ mustard/sunflower	143 ha	122	16.8 ha	122	4	
Vegetables and fruits	204 ha	63	126 ha.	63	4	
Poultry/goatery	25 nos.	38	13 nos.	38	4	

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest







Recently, with the assistance of ITDA, he cultivated maize in 70 acres by taking lease through participatory methods. He adopted DSR technology in 20 acres. Due to the adoption of DSR technology, he was able to reduce the cost of cultivation in rice and got more profit. By converting uplands from rice to maize and through mechanization, he fetched higher income from the same land. The initiative taken by Mr. Pingua has proved that tribals of the district can become successful entrepreneurs in agriculture. After his success in cultivation practices, hundreds of farmers of his village and nearby villages started cultivation of hybrid maize during *kharif* and mustard during *rab*i.





Integrated farming: Curiosity in farming leads to sustainability in livelihood



Name : Sri Bhakta Bandhu Chattar

Address : Village- Tilusahi, Block- Raruan,

District-Mayurbhanj, Odisha

Land holding : 20 Acre

Contact no. : 07894221700 (M)

Coming from an ordinary tribal family Sri Bhakta Bandhu Chattar has become a successful farmer because of his curiosity in agricultural farming. With 20 acres of land, he used to cultivate rice following traditional methods but was not satisfied with his the then earnings. One day a team of scientists from KVK Mayurbhanj-II visited his village. He was the first person to



welcome them and expressed his keen interest in scientific farming. He enquired about improved practices in agriculture, horticulture and livestock. Then, he came to know about integrated farming and decided to adopt that. He participated in various skill training programmes of KVK related to INM, IPM, IWM and backyard poultry rearing. After that, he started to cultivate rice in 8 acre and maize in 4.5 acre in *kharif* and 6 acre of mustard and 2 acres of wheat in *rabi* season. He acquired knowledge and training in poultry management and started backyard poultry rearing which gave him additional income for sustainability. He followed scientific management practices of vegetable cultivation which was provided to him through TSP programme of KVK. At present, he is growing vegetables in 3.5 acres. His annual net income comes around Rs. 4.8 lakh which was substantially higher than his earlier income from agriculture. Not only that he generated employment for 5 to 8 man-days in a year.





Table: Economics of farming spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio				
Before intervention								
Rice	64599	187564	122965	1.52				
Vegetables	91164	211077	119913	1.76				
Total	115763	398641	242878					
After intervention								
Rice/Maize/Wheat/Mustard	115145	291000	175855	1.65				
Vegetables	183889	404326	265438	2.19				
Poultry	38452	84750	46298	1.83				
Total	337486	780076	487591					

Enterprise	Horizontal spread		Vertical spread		Overall
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	65 ha	87	6.26 ha	87	4
Vegetables	223 ha	78	78.9 ha	78	4
After intervention					
Rice/Maize/Wheat/Mustard	118 ha	87	14.5 ha	87	4
Vegetables	325 ha	63	226 ha	78	4
Poultry	16 nos.	33	9 nos.	33	4

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest



He got training on scientific goat farming from the KVK recently and is going to start goatery. Mr. Chattar has established himself as successful farmer and has become a role model for other tribal farmers in the locality. After his success in cultivation practices, more than 150 farmers of his village and nearby villages ere cultivating rice, vegetables, maize etc. throughout the year.





## Nabarangpur KVK

### Tribal farmer changed his income and social recognition through agri-farming



Name : Shri Dambarudhar Nayak

Address : Village- Bhamini, Block- Umerkote,

District- Nabarangpur, Odisha

Land holding : 22 Acre

Contact no. : 08984731856 (M)

Shri Nayak from Bhamini village of Nabarangpur was associated with agricultural farming with his 22 acres of land following conventional methods. Rice and maize were the main crops and among vegetables, brinjal was selected by him. Out of his 22 acres land, he could utilize maximum 14 acres, remaining was unutilized. From 14 acres, he could earn around 3 lakh annually. The scientists of KVK Nabarangpur were searching the farmers who had sufficient agricultural land for conducting various demonstrations under TSP programme. He was contacted by the KVK. The KVK scientists visited his fields and explored the farming situations. He had rainfed medium land where he followed rice/maize-maize/vegetables-vegetable cropping system and also had 2 bore wells for winter and summer vegetables cultivation. After thorough discussion with him, scientists suggested him to include more vegetable crops like tomato, cauliflower in his cropping system and also to start new enterprise i.e. fishery after renovation of unutilized water body so that total land can be utilized for the agricultural production. Accordingly, Sri Dambarudha Nayak was provided with trainings on vermitechnology, INM, IPM, IDM on major field crops and mushroom cultivation in a phased manner. Apart from that, he was supplied with, small agri-implements, quality vegetable seedlings, plastic mulching sheet etc. by the KVK Nabarangpur. It resulted substantial increase in his annual profit which recorded more than Rs. 9 lakh.











Mr. Nayak is very enthusiastic farmer who uses to visit KVK Nabarangpur very often and he is being guided by the KVK for technical support time to time. Others farmers from his village and surrounding villages are frequently visiting his farm and are being motivated by him for agricultural farming. Through scientific farming, not only he has increased his income, but also gained social recognition in his area.

Table: Economics of farming spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio			
Before intervention							
Rice (8 acre)	88000	204000	116000	1.32			
Maize (5 acre)	60000	170000	110000	1.83			
Brinjal (1 acre)	40000	120000	80000	2.0			
Total	188000	494000	306000				
After intervention							
Rice (10 acre)	130000	361000	231000	1.78			
Maize (6 acre)	90000	288000	198000	2.2			
Brinjal (2 acre)	50000	192000	142000	2.84			
Tomato (2 acre)	50000	168000	118000	2.36			
Cauliflower (1 acre)	30000	104000	74000	2.47			
Fishery (1 acre)	55000	225000	170000	3.09			
Total	405000	1338000	933000				

Enterprise	Horizontal spread		Vertical spread		Overall
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	159 ha	34	20 ha	20	3
Maize	212 ha	29	130 ha	34	4
Brinjal	140 ha	22	45 ha	32	4
After intervention					
Rice	207 ha	51	21.50 ha	24	4
Maize	245 ha	44	48 ha	20	
Brinjal	75 ha	18	55 ha	29	4
Tomato	67 ha	20	40 ha	15	5
Cauliflower	50 ha	15	32 ha	14	4
Fishery	5 ha	18	7 ha	10	5

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest



#### Agri-farming: A boon to the tribal farmers for increasing livelihood income



Name : Shri Miri Bhatra

Address : Village- Managuda, Block- Jharigaon,

District- Nabarangpur, Odisha

Land holding : 13 Acre

Contact no. : 09556659487 (M)

Shri Miri Bhattra is a hard-working tribal farmer of Managuda village of Nabarangpur, Odisha. agriculture was the main source of his family income. He was cultivating rice, maize and brinjal in 9 acres area. Although he had 12 acres of cultivable land, 1 acre of pond and 2 nos. of borewell. He was not getting anything from his pond and other 3 acres land. His annual earning was around 2.2 lakh. When KVK team visited their adopted village Managuda, Shri Bhatra showed his interest in improved technologies for agricultural farming. The KVK team suggested him for other vegetables cultivation in his fields with judicious use of two borewells and also for seasonal fish farming in his existing pond after renovation. Then, he was imparted training on INM, IDM, IPM, organic farming, mushroom cultivation etc. The quality planting materials along with good quality hybrid seeds and other necessary inputs were provided him. Fertilizers were used after soil testing. Other related technical guidance and support were also provided to him from the KVK time to time. He used to visit KVK demo units and farm frequently for consulting scientists of KVK Nabarangpur. After adopting new technologies and scientific farming, he used total 13 acres land which gave him a net profit of Rs. 6.78 lakh in one year.





Table: Economics of farming spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice (4 acre)	48000	108000	60000	1.25
Maize (4 acre)	48000	144000	96000	2.00
Brinjal (1 acre)	35000	96000	61000	1.74
Total	131000	348000	217000	
After intervention				
Rice (4 acre)	60000	159600	99600	1.66
Maize (4 acre)	62000	208000	146000	2.35
Brinjal (2 acre)	81000	240000	159000	1.96
Tomato (1 acre)	35000	96000	61000	1.74
Cabbage (1 acre)	30000	100000	70000	2.33
Fishery (1 acre)	52000	195000	143000	2.75
Total	320000	998600	678600	

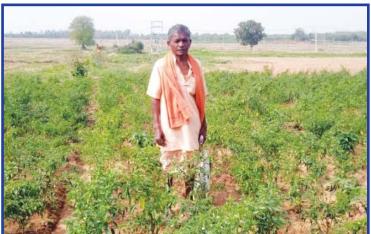


Enterprise	Horizontal spread		Vertical spread		Overall
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	210 ha	41	107 ha	50	4
Maize	102 ha	20	125 ha	47	4
Brinjal	105 ha	23	100 ha	75	3
After intervention					
Rice	365 ha	62	375 ha	78	4
Maize	275 ha	55	121 ha	55	4
Brinjal	220 ha	58	60 ha	36	5
Tomato	80 ha	43	35 ha	30	4
Cabbage	44 ha	19	45 ha	31	3
Fishery	7 ha	24	5.5 ha	12	4

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

Recently, he has planned to start mushroom unit. Not only he is devoting much time for improving his farm, but also is helping other farmers for use of new technologies in the field of agricultural production and to start new business. Farmers from different blocks of Nabarangpur district used to visit his farm, getting inspired and are giving more respect for his knowledge and helping attitude.





#### Rayagada KVK

#### A journey of tribal youth towards prosperity through mushroom cultivation



Name : Mr. Pitabas Sabar

Address : Village- Bhalerikudia, GP- Bagsola, Block- Gunupur,

District- Rayagada, Odisha

Land holding : 5 Acre

Contact no. : 09778366873 (M)

Mr. Pitabas Sabar, 32 years old youth, had 5 acres land and was cultivating mainly rice, ragi, pigeon pea, black gram, green gram and sunflower to maintain his family. He participated in skill development training programme on improved method of mushroom production during February-March, 2018-19 at the KVK. The training helped Mr. Sabar acquiring knowledge and



skill required on various aspects of mushroom cultivation like preparation of mushroom bed, selection of different improved species of mushroom, production technology and value addition from mushroom. Mr. Sabar started cultivating paddy straw mushroom and oyster mushroom throughout the year along with other crops as mentioned earlier. The trainings provided by Krishi Vigyan Kendra, Rayagada helped him to adopt scientific method of mushroom cultivation in commercial scale, to select improved mushroom species, to control disease and to produce various value added product from mushroom. Now, he is growing paddy straw mushroom round the year except winter season as winter season is suitable for oyster mushroom cultivation.

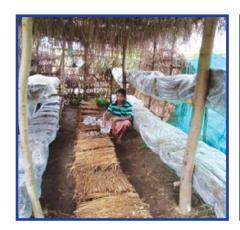






Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio				
Before intervention								
Rice	15995	26460	10465	1.65				
Pigeon pea	8055	16625	8570	2.06				
Total	24050	43085	19035					
After intervention								
Rice	22400	39228	16828	1.75				
Mushroom	15000	56000	41000	3.73				
Total	37400	95228	57828					

Enterprise	Horizontal spread		Vertical spread	Overall	
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	2.4 ha	12	5.8 ha	16	3
Pigeon pea	1.2 ha	8	4.3 ha	25	2
After intervention					
Rice	41 ha	48	54 ha	62	4
Mushroom	24 ha	74	28 ha	51	4

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest









Mr. Sabar has now cultivating mushroom in commercial scale. Through following scientific methods, he is getting very good yield. Other farmers of his neighbouring villages are being encouraged from him. Now, he is confident enough to produce mushroom throughout the year with different value added products. There are more than 100 farmers including different SHGs who are following the improved method of mushroom production for their livelihood security. Mr. Sabar has become a role model for other tribal farmers for mushroom cultivation. Not only that, he is serving as a master trainer and source of motivation for other farmer, rural youth and SHG members. He is also sharing his valuable ideas and experience with others and providing extension services to the interested mushroom growers.

#### High value vegetable cultivation changed livelihood income



Name : Mr. Rajendra Kumar Nimalu

Address : Village- Pradhaniguda, Block- Gunupur,

District- Rayagada, Odisha

Land holding : 4.5 Acre

Contact no. : 09437263404 (M)

Mr. Rajendra Kumar Nimalu, aged about 38 years, had 4.5 acres land who was cultivating rice, cotton, arhar, maize and vegetables in *kharif* and *rabi* season. Mr. Nimalu and other farmers of Pradhaniguda were growing vegetables and maize conventionally. In spite of his full efforts in agricultural farm operations, he could not get good production. Thus, he was surviving with minimum profit from his farming. Then, he contacted KVK Rayagada to solve his problems. He was advised by the KVK scientists to take part in a skill development training programme on high value vegetable crops during the month of December-January, 2019. He attended the programme at KVK which helped Mr. Sabar in acquiring scientific knowledge, skilled and improved package of practices on different aspect of high value vegetables e.g. capsicum, broccoli, spine gourd, pointed gourd, carrot, French bean, brinjal, cabbage, tomato, chilli, bitter gourd, okra, chilli, cucumber etc. cultivation in different seasons.







The KVK provided him good quality high yielding quality vegetable seedlings for more yield and income. Frontline demonstrations on high value vegetables were also conducted in his fields. He used solar pump set for irrigation purpose to reduce input cost. In vegetables, he is practising trellis method for better yield and for management of different diseases. Not only that, line sowing, soil test-based fertilizer use, use of FYM and other micronutrients were among different interventions implemented at his farm. Now, Mr. Nimalu is cultivating vegetables in 3.0 acres land. He is using neem based plant protection chemicals for disease and pest control, neem coated urea, bio-fertilizer which are good for environment and also for reducing the cost of cultivation.





Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio			
Before intervention							
Rice	18800	27195	8395	1.44			
Cotton	17400	27792	10392	1.59			
Total	36200	54987	18787				
After intervention							
Vegetables	81500	152900	71400	1.88			
Sweet corn	14000	38000	24000	2.71			
Total	95500	190900	95400				

Enterprise	Horizontal spread		Vertical spread	Overall	
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	15 ha	21	21 ha	25	3
Cotton	9 ha	11	12 ha	18	3
After intervention					
Vegetables	5 ha	18	17 ha	39	4
Sweet corn	8 ha	22	23	47	5

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest







Earlier, Mr. Nimalu could generate a net income of about Rs. 18000/- annually which was increased nearly one lakh per year after following scientific agriculture. Recently, he constructed shed net house for growing different types of vegetable seedlings and planting materials. For the first time, Mr. Nimalu introduced sweet corn in his village for commercial cultivation after getting training from KVK. The KVK scientists are continuously visiting his fields for diagnosis of crop diseases. His socio-economic status has been improved within 2-3 years. As scientific methods gave good yield and better return, other farmers of his village and neighbouring villages were convinced to grow the vegetables scientifically. Mr. Nimalu has become a brand for growing high value vegetables in his village.

#### Sundargarh-I KVK

#### Farm of a tribal woman becomes source of enterprises



Name : Smt. Ketaki Kalo

Address : Village- Phuldhudi, Block- Tangarpali,

District- Sundargarh, Odisha

Land holding : 6 Acre

Contact no. : 08018356874 (M)

Smt. Ketaki Kalo, a 39 years tribal farm women, was engaged in household activities. She had keen interest in agriculture as she passed higher secondary with science stream before her marriage. In addition to her residential area, she had 6 acres crop fields where she was engaged with rice/vegetables production and dairy/poultry farming. Her annual earning was around 1.10 lakh. For the first time, she attended one skill development training programme on mushroom cultivation at the KVK. After she came in contact with the scientists of KVK Sundargarh-I, narrated the problems of her farming and requested the scientists to intervene and to provide her recent technologies for rice and vegetable cultivation, dairy/poultry/goat farming. Accordingly, the KVK scientists suggested her to get trainings for scientific dairy/poultry/goat rearing, and also for mushroom cultivation. KVK linked her with Horticulture Department of Govt of Odisha for establishing mushroom. More often she regularly visits KVK and updates herself with new knowledge regularly with the help of scientists. Gradually, Smt. Kalo was trained with brooding and feeding management in chicks, paddy straw and bottom mushroom cultivation including spawn production and value-added products, nutritional garden, balance feeding in dairy cows, formulation of low-cost ration for cow and poultry using local feed ingredients and many more.









She was very much convinced with the modern agricultural production for more profit. In her unutilized one acre land, she started cultivating mushroom along with vegetable cultivation and seedling raising. In remaining lands, she introduced moong, potato, new vegetables and continued vermicomposting, poultry, diary and goatery. Thus, she was able to earn about 5.03 lakh in one year. Recently, she is going to start apiary and other related income related business.







Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice (4 ac)	27200	54000	26800	1.98
Vegetables (1 ac)	52800	124800	72000	2.36
Dairy (2 no.)	4500	11100	6600	2.46
Poultry (20 no.)	1500	5000	3500	3.33
Total	86000	194900	108900	
After intervention				
Rice (6 ac)	72000	159120	87120	2.21
Moong (1.0 ac)	9000	20000	11000	2.22
Potato (0.5 ac)	5100	12000	6900	2.35
Vegetables (0.4 ac)	22700	62000	39300	2.73
Cow (2 no.)	12900	32800	19900	2.54
Poultry (10 no.)	1200	3500	2300	2.91
Goatery (2 no.) + 2 kids	6200	16000	9800	2.58
Paddy straw mushroom (1200 bed)	75600	234000	158400	3.09
Oyster mushroom (100 beds)	4500	15000	10500	3.33
Vermicomposting (2 tanks and 1 bag)	72000	230000	158000	3.19
Total	281200	784420	503220	



Enterprise	Horizontal spread		Vertical spread		Overall
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	7 ac	4	9 ha	12	2
Vegetables	3 ac	4	7 ha	10	3
Dairy	5 unit (15 no.)	5	2 unit (6 no.)	2	2
Poultry	5 unit (100 no.)	5	2 unit (30 no.)	2	2
After intervention					
Rice	30 ac	25	42 ac	54	4
Moong	12 ac	16	18 ac	25	3
Potato	18 ac	29	31 ac	42	3
Vegetables	12 ac	46	21	37	5
Cow	10 unit	10	14 unit	14	3
Poultry	25 unit	25	36 unit	26	4
Paddy straw Mushroom	75000 beds	70	30000 beds	97	5
Oyster mushroom	7500 bags	70	3400 bags	45	5
Vermicomposting	120 inits	35	354	328	5

\*1-5 scale; 1= Lowest and 5= Highest









She has engaged three regular workers in her farm and she is ably supported by her husband and son who regularly market their produce in the weekly markets throughout the year. Now, she has been established herself as a beacon of hope among the tribal women in the district and has become a source of inspiration. Not only that, she is motivating SHG members and is working as a resource person for different trainings. Her established units have also become an attraction for other departments as a model unit. She is also providing technical guidance to others for scientific farming. As a result, many farmers have started their business for livelihood income.









#### Tribal farmer becomes entrepreneur through adopting integrated farming system



Name : Shri Biren Oram

Address : Village- Gurabasa, Block- Sadar,

District- Sundargarh, Odisha

Land holding : 4 Acre

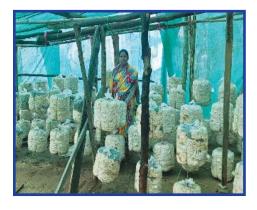
Contact no. : 06372560053/09556101929 (M)

Shri Biren Oram, a tribal hard working farmer of Sundargarh, had 4 acres land (in upland- 2.8 acre and in lowland- 1.2 acre) and used to grow traditional non-descript local rice varieties in 3 acres along with round the year cultivation of vegetables, rearing of poultry and desi cows in remaining 1 acre land. As his village was adjacent to Sundargarh city, he had opportunity to sell his surplus produce from his farm which was a source of additional income. Shri Oram used to get annual profit around Rs. 1.23 lakh from his farm.





However, after seeing the demand in the market and good market rate, he was inspired for scientific vegetable cultivation. He visited various demo units of KVK Sundargarh-I for more information and decided to start off-season vegetable cultivation and other income generating enterprises like mushroom and apiary. He was trained with rice cultivation, mushroom cultivation, apiary, off-season vegetable cultivation, poultry and dairy farming at the KVK in due course of time. That enabled him to get a net annual income of Rs. 4.98 lakh which was substantially higher than his earlier income from the same land.









#### Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B: C Ratio
Before intervention				
Rice (3 ac)	26300	48700	22400	1.85
Vegetables (1 ac)	57600	114000	86400	1.9
Poultry (7-10 no.)	700	1900	1200	2.28
Dairy cow (4 no.)	9800	22400	12600	1.5
Total	113800	209400	122600	
After intervention				
Rice (3 ac)	37000	80560	42560	2.17
Vegetables (1 ac)	97600	304000	206400	3.11
Mushroom (Paddy straw mushroom-800 beds) and (Oyster mushroom- 200 beds)	48000 and 10000	144000 and 30000	72000 20000	3.0 3.0
Vermicomposting - 2 tanks	2600	8000	4500	3.0
Honey production (3 boxes)	4500	9000	4500	2.0
Poultry- 20 no.	1000	3000	2000	3.0
Dairy cow-12 no.	140300	286800	146400	2.0
Total		865360	498360	

Enterprise	Enterprise Horizontal spread		Vertical spread	Overall	
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	12 ac	20	27 ac	36	4
Vegetables	29 ac	52	42 ac	64	4
Poultry (5-10 no.)	10 units	10	25 units	21	4
Cow (1-2 no.)	5 units	6	15 units	18	4
After intervention					
Rice	170 ac	310	180 ac	231	3
Vegetables	54 ac	100	71 ac	145	3
Mushroom (paddy straw and oyster mushroom)	1500 and 600 bed	12 and 26	2300 and 900 bed	56	3
Vermicompost-2 tanks	5	5	19 units	14	4
Honey production- 3 bee boxes	8 units	2	12 units	9	4
Poultry (5-20 no.)	25	27	28 units	31	5
Dairy cow (2-5 no.)	9 units	9	10 units	10	4

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

Inspired by his success in IFS, many farmers in his village and other surrounding villages have started their farming and fetching very good profit. He has become a model farmer in the area. Not only Shri Oram has increased his income but also gained his social recognition.



#### Sundargarh-II KVK

#### Crop diversification enhances income of tribal farmers



Name : Mr. Zabrius Tirkey

Address : Village- Guduguda, Block- Nuagaon,

District- Sundargarh, Odisha

Land holding : 2.5 Acre

Contact no. : 09668427366 (M)

Mr. Tirkey was engaged in agriculture with 2.5 acres land which was situated in red black soil under medium rainfall area at North Western Plateau Zone. With all efforts, he could earn about Rs. 33000/- annually from rice, maize, tomato and poultry rearing following conventional practices. The income was not sufficient for his family. Then, he approached KVK Sundargarh-II and discussed the problems with KVK scientists. Scientists visited his farm and suggested him for cultivating drought tolerant high yielding rice cv. 'Sahabhagi' in place of their local upland rice varieties, diversifying crops of upland rice partially with high yielding early fruiting cowpea cv. 'Kashi Kanchan', cultivating triple resistant tomato hybrid 'Arka Rakshyak' with staking practices, cultivating paddy straw and oyster mushroom, rearing of improved poultry breed 'Aseel' with proper feeding and housing management practices, INM/IPM practices etc. The KVK trained him for different agricultural, horticultural and livestock practices through different programmes. He also attended meetings, demonstrations field days on regular basis.

Table: Economics of farming, spread of technologies and social impact

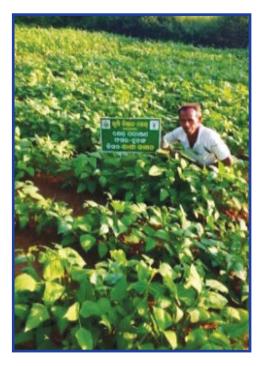
Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B:C Ratio						
Before intervention	Before intervention									
Rice	14450	21600	7150	1.49						
Maize	3200	7000	3800	2.18						
Tomato	13000	30000	17000	2.30						
Poultry	1500	3400	1900	2.26						
Nutri-garden	2800	6000	3200	2.14						
Total	34950	68000	33050							
After intervention										
Rice ('Sahabhagi')	16900	29400	12500	1.74						
Maize	4900	11700	6800	2.38						
Cowpea ('Kashi Kanchan')	7400	19800	12400	2.67						
Tomato ('Arka Rakshyak')	16900	44100	27200	2.60						
Poultry ('Aseel')	3300	10150	6850	3.07						
Mushroom	1800	4000	2200	2.22						
Nutri-garden with hybrid varieties seeds	3850	10000	6150	2.60						
Total	55050	129150	74100							



Enterprise	Horizontal spread		Vertical spread	Overall					
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*				
Before intervention									
Rice	4	20	7	36	3				
Maize	2	11	5	27	2				
Tomato	2	15	4	32	3				
Poultry	20 nos	4	35 no.	8	3				
Nutri-garden	10 unit	10	17 unit	17	2				
After intervention									
Rice	18	68	23	74	4				
Maize	7	28	16	59	4				
Cowpea	5	27	17	62	5				
Tomato	8	31	14	51	4				
Poultry	50 no.	11	120 no.	23	4				
Mushroom	40 beds	6	140 beds	19	4				
Nutri-garden with hybrid varieties seeds	25 unit	25	64 unit	64	4				

\*1-5 scale; 1= Lowest and 5= Highest

With improved varieties seeds and adopting scientific agricultural practices Mr. Zabrius Tirkey increased his annual income to the tune of about Rs. 74000/-. Not only that, now, he is guiding many farmers from his village and even from surrounding villages for diversifying agriculture. He has become a 'Role Model' for other farmers in the district.







#### Scientific agri-farming: An alternate to improve livelihood income of tribal farmers



Name : Mrs. Margaret Tirkey

Address : Village- Lungei, Block- Lathikata,

District- Sundargarh, Odisha

Land holding : 3.5 Acre

Contact no. : 08895273582 (M)

Mrs. Margaret Tirkey from Lungei village had keen interest in agricultural farming since her childhood. After marriage, she used to help her husband for farming. With 3.5 acres land, they used to cultivate rice, mustard, vegetables and used to rear poultry under backyard system. Their annual profit was recorded as around Rs. 43000/-. One day, she approached KVK for scientific agricultural practices. Accordingly, she was trained from the KVK for INM/IPM/IDM practices of rice, mustard and other crops, for replacing some part of rice into hybrid pumpkin, for cultivating mushroom, for practicing kitchen garden with new variety seeds, for rearing good quality poultry birds in backyard and many others through providing trainings/meetings.

Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B:C Ratio
Before intervention				
Rice	19650	35400	15750	1.80
Mustard	3400	8100	4700	2.38
Bottle gourd	10700	27000	16300	2.52
Poultry	1800	4400	2600	2.44
Nutri-garden with HYV seeds	2400	6000	3600	2.50
Total	37950	80900	42950	
After intervention				
Rice	22790	48440	25650	2.12
Mustard	5400	14300	7200	2.64
Bottle gourd ('Anokhi')	13600	38400	24800	2.82
Pumpkin ('Mahy-1')	6250	20250	14000	3.24
Poultry ('Aseel')	4200	11800	7600	2.80
Mushroom	1700	4000	2300	2.35
Nutri-garden with HYV seeds	3500	10000	6500	2.85
Total	58040	146090	88050	







Enterprise	Horizontal spread		Vertical spread	Overall	
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Rice	5	19	14	48	2
Mustard	4	22	8	43	3
Bottle gourd	4	30	10	64	3
Poultry	40	6	85	14	3
Nutritional Garden	12	12	40	40	2
After intervention					
Rice	23	70	61	153	4
Mustard	14	52	29	94	4
Bottle gourd ('Anokhi')	12	47	27	90	5
Pumpkin ('Mahy-1')	7	38	16	75	5
Poultry ('Aseel')	90	14	178	26	4
Mushroom	20	4	130	23	5
Nutri-garden with HYV seeds	27	27	60	60	4

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

Her annual income from the same land was increased almost double i.e. Rs. 88000/- after using HYV seeds, diversifying agriculture and scientific farming. After her success, she formed one SHG, named 'Gulab' and now, is working as President of the SHG. She established herself as a successful women agri-farmer in the area. Now, she is providing guidance to other tribal farmers for profitable farming. Really, she has become a source of inspiration for others in the district.

#### Nicobar KVK

#### Story of a role model of Nicobarese tribal farmer



Name : Shri Patrick Jeremiah

Address : Turhato Tuhet, Village- Tapoiming, Car Nicobar,

District- Nicobar, Andaman & Nicobar

Land holding : 3.5 Acre

Contact no. : 09476037913 (M)

The Nicobarese normally practiced cultivation of tubers, fruits, few vegetables under *Tuhet* Farming system for their subsistence. The mainlanders and even local tribal people were solely dependent on imported conventional vegetables from other islands and mainland India. Shri Patrick Jeremiah, a class nine pass tribal farmer of Car Nicobar, had 3.5 acre cultivable land where he was practising *tuhet* farming till 2015 with his 6 family members. But, it was not sufficient for his family. Though a self-motivated hard worker who was keen to take up new initiatives for profitable agriculture, he was lacking technical and scientific know-how about agriculture and allied activities. The KVK Nicobar guided him through providing technological interventions and he started diversified organic vegetable farming in 1205 m² area by clearing a portion of his hitherto 20000 m² fallow land. By seeing the profit, he expanded his net sown area to 4550 m² (1.124 acre) by bringing 23% of hitherto fallow land under cultivation with constant support and guidance from the ICAR-KVK Nicobar. The ICAR-KVK, Nicobar and ICAR-CIARI, Port Blair have provided several trainings, demonstrations and hand holdings for adopting scientific technological interventions. He visited Car Nicobar as well as ICAR-CIARI, Port Blair and many mainland institutes to increase his exposure. The KVK Nicobar provided critical inputs viz. seeds, bio-fertilizers, organic pesticides, farm implements, irrigation ponds, piglets, chicks etc.









Now, he is cultivating 15 types of vegetables viz. pumpkin, bottle gourd, ivy gourd, bitter gourd, snake gourd, ridge gourd, cucumber, brinjal, chillies, bhendi, amaranthus, Malabar spinach (poi), spinach, radish and cow pea and is selling the same to the local consumers at reasonable price and is earning good income. He was able to earn a gross income of Rs. 550249/- and net income of Rs. 461249/- per annum.

Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B:C Ratio
Before intervention				
Solonaceae / Malvaceae	30000	89900	59900	2.00
Cucurbitaceae	1000	3325	2325	2.33
Leafy vegetables	100	336	236	2.36
Tuber crops	7000	25704	20704	2.96
Total	38100	119265	83165	2.18
After intervention				
Solonaceae / Malvaceae	78000	365400	305400	3.92
Cucurbitaceae	15000	54435	39435	2.63
Leafy vegetables	5000	17350	14350	2.87
Leguminous	26000	78750	73750	2.84
Tuber crops	11000	34314	28314	2.57
Total	135000	550249	461249	3.42

Enterprise	Horizontal spread		Vertical spread	Overall	
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Solonaceae / Malvaceae	1 ha	8	1.5 ha	16	3
Cucurbitaceae	1.5 ha	18	2 ha	29	3
Leafy vegetables	0.5 ha	7	1 ha	18	2
Tuber crops	3 ha	30	6 ha	35	4
After intervention					
Solonaceae / Malvaceae	3 ha	20	6 ha	38	4
Cucurbitaceae	5 ha	29	8 ha	46	4
Leafy vegetables	1 ha	20	2 ha	24	3
Leguminous	2 ha	15	3 ha	26	3
Tuber crops	7 ha	41	12 ha	51	3

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest



The KVK Nicobar and other departments of Nicobar district are getting his services as resource person in local tribal language to gain the confidence and interest of local tribal for maximum horizontal spread of vegetable cultivation in Car Nicobar Island. By seeing and believing, several tribal farmers have started commercial organic vegetable cultivation in their fallow land. This has helped mainly the mainlanders who worked at Car Nicobar during the COVID-19 lockdown period, in a great way by making sure continuous supply of vegetables (for survival) locally in the Island. This has also helped the tribal farmers to earn a decent livelihood.





He has become a role model of tribal farmers and the KVK is using him as a resource person to promote vegetable cultivation among Nicobari tribal farmers in Nicobar Islands. During PM Kisan Samman Nidhi programme, Hon'ble Prime Minister Shri. Narendra Modi Ji interacted with him through video conferencing which was broadcasted live on National television on 14th May, 2021. His interview was broadcasted by AIR, Port Blair and he won several awards from A&N Administration and ICAR-CIARI, Port Blair. Organic vegetable cultivation adopted by Shri. Patrick had contributed in a small but significant way in supply / availability of organic fresh vegetables locally leading to improvement of his socio-economic status and livelihood security. By seeing and believing, several tribal farmers are approaching KVK for guidance and critical inputs (which are being provided through TSP/STC). By ensuring ready availability of critical inputs locally and continuous technical support, vegetable cultivation may ensure livelihood and nutritional security of substantial number of Nicobarese tribal farmers in these isolated remote Islands.

#### Tribal women empowerment through organic vegetable cultivation in Nicobar Island



Name : Smt. Felicia

Address : Tikup Tuhet, Village- Tamaloo,, Car Nicobar,

District- Nicobar, Andaman & Nicobar

Land holding : 0.8 Acre

Contact no. : 09476052900 (M)

Generally, the dietary habits of Nicobarese of Car Nicobar mainly comprises of non-vegetarian dishes with very few traditional vegetables available in limited quantity. Thus, to provide necessary additional nutrient supplements, vegetables in their food habit were felt very much essential for their good health. Keeping in view of the need to meet the nutritional requirements of tribal people, introduction of vegetables in their traditional gardens and encouraging consumption was considered essential. Therefore, new vegetable crops and varieties were introduced in gardens.

The success story is about Smti. Felicia, W/o Shri. Leslie who lives in Tikup Tuhet of Tamaloo village, Car Nicobar and she was only looking after the household works with her family comprised of three members. Apart from household works, she



used to help her husband in his coconut copra making business. She was maintaining a small kitchen garden area of 400 m² in which she had cultivated a single crop in traditional method and the harvest used to be just sufficient only to the needs of her home. But, after coming in contact with ICAR-KVK Nicobar, she got motivated and interested in developing her 400 m² areas into a multiple production system. Through KVK, she learned about the advantages of improved technologies and took keen interest in converting her small land area into a multiple production system. Through trainings, demonstrations, handholding, exposure visits etc. provided by ICAR-KVK, Nicobar, Smt. Felicia has grown in confidence thereby, gained the knowledge and skill of each and every aspect of vegetable cultivation. She started cultivating Cowpea, Brinjal, Amaranthus, Bottle Gourd, Pumpkin, Okra, Papaya, Banana, Snake Gourd, Soursoap, Custard Apple, Acid Lime, Pineapple and Indian Spinach in her garden and harvested them at appropriate stage by judging maturity after taking advisories from the KVK personnel. The surplus fruits and vegetables after home consumption were sold by her in Head Quarter market at Car Nicobar to shopkeepers and villagers through which she earned money.

Table: Economics of farming, spread of technologies and social impact

Enterprise	Gross cost (in Rs.)	Gross return (in Rs.)	Net return (in Rs.)	B:C Ratio
Before intervention				
Okra	7500	18000	14000	1.87
Brinjal	8000	24000	16000	2.00
Plantation	1000	3000	2000	2.00
Total	16500	45000	32000	
After intervention				
Okra	16000	64000	52000	3.25
Brinjal	20000	72000	58000	2.90
Bottle gourd	7000	24000	18000	2.57
Plantation	8000	24000	16000	2.00
Total	51000	184000	144000	

Enterprise	Horizontal spread	Vertical spread	Overall		
	Area covered (ac or ha) /no. of livestock unit or no. of livestock	No. of farmers	Area covered (ac or ha) / no. of livestock unit or no. of livestock	No. of farmers	impact*
Before intervention					
Okra	0.5 ha	6	1.5 ha	19	3
Brinjal	1.0 ha	11	2.5 ha	30	3
Tuber	3 ha	24	7 ha	38	4
After intervention					
Okra	3ha	14	4 ha	21	4
Brinjal	3 ha	21	6 ha	33	4
Cucurbits	4 ha	34	8 ha	40	3
Legume vegetable	1.5 ha	12	2.0 ha	22	3

<sup>\*1-5</sup> scale; 1= Lowest and 5= Highest

The new farming system has made her self-sufficient in fruits and vegetable in a sustainable manner and earned her



additional livelihood option. By selling the excess home garden produce, she earned approximately Rs. 144000/- per annum which made her self-reliant and confident. With her own income, she purchased new dresses to her children and met other demands of herself and her family. Now, she has been able to purchase a scooty for dropping her children to school. She felt empowered through the income generation which increased her self-confidence.







Seeing her enthusiasm, the KVK Nicobar has chosen her land as a model for developing scientific vegetable and local fruit cultivation by using her past experience. Since 2018, she is in constant touch with the KVKs for getting latest technologies of organic cultivation. She is guiding other tribal women in Nicobar Islands and became a role model for them. By seeing her success, many other Nicobari women came forward to adopt the technology in their own unused garden area.



















#### **CHAPTER 8**

## **DETAILS OF AWARDS/ RECOGNITIONS**

Tribal farmers showed keen interest in adopting agriculture related new technologies to increase production in the concerned districts from their existing land. Tribal progressive farmers played important role in providing training to other fellow farmers and sometimes, they acted as resource person of various activities in the district. During the period of report, many tribal farmers were felicitated with different awards and recognitions from different platforms/ organizations for their significant contribution. That attracted the whole tribal community especially the young and women tribals for selecting agriculture as business in the coming days. The details awards/ recognitions received by the farmers are presented in the following table.

Table: Details of awards/recognitions received by the farmers during the period 2017-18 to 2022-23

Name of KVK	Name of the awardee farmer	Name of the award/ recognition	Year	Conferring authority	Purpose	Type of award/ recognition (Certificate/Memento/ Cash amount)
Gajapati	Sri Uma Sankar Sahu	Best Farmer Award	2017	OUAT, Bhubaneswar during Foundation Day 2017	Significant contribution in agriculture	Certificate with memento
	Sri Iswar Raita	Best Farmer Award	2019	OUAT, Bhubaneswar during Foundation Day 2019	Significant contribution in agriculture	Certificate with memento
Malkangiri	Sri. Paritosh Biswas	Best Farmer Award in state	2020		Pond based IFS with income of Rs. 8.0 lakh/year	Certificate with memento
Mayurbhanj-l	Mrs. Solani Soren	Best Farmer Award	2016		Developed crop based integrated farming system	Certificate with memento
	Mr. Birakishore Mohanta	Best Farmer Award	2019		Remarkable achievement in vegetable production	Certificate with memento
	Mr. Pradeep Kumar Tripathy	Best Agri- Entrepreneurs Award	2020		Remarkable achievement in fish seed production and seedling rearing	Certificate with memento
	Mrs. Usha Rani Naik	Best Farmer Award	2021		Remarkable achievement in value addition of <i>Sabai</i> products	Certificate with memento
	Mrs. Pratima Parida	Best Women Farmer award	2021	ICAR, New Delhi	Contribution towards promotion of non-timber forest produce	Certificate with memento
	Sri Akshya Kumar Sahu	Best Hatchery- Costal States	2018	NFDB, Hyderabad	Best hatchery among the coastal states of India	Certificate with memento
	Sri Akshya Kumar Sahu	Best Farmer Award	2018	OUAT, Bhubaneswar during Foundation Day 2018	Significant contribution in agriculture	Certificate with memento
Mayurbhanj-II	Mr. Debananda Pingua	Best Farmer Award	2020	OUAT, Bhubaneswar during Foundation Day 2020	Contribution towards integrated farming system development	Certificate with memento



Name of KVK	Name of the awardee farmer	Name of the award/ recognition	Year	Conferring authority	Purpose	Type of award/ recognition (Certificate/Memento/ Cash amount)
Rayagada	Shri Anusai Sabar	Best Farmer Award	2017	OUAT, Bhubaneswar during Foundation Day 2017	Significant contribution in agriculture	Certificate with memento
	Shri Narayana Sabar	Best Farmer Award	2018	OUAT, Bhubaneswar during Foundation Day 2018	Significant contribution in agriculture	Certificate with memento
	Shri Pitabas Sabar	Best Farmer Award	2019	OUAT, Bhubaneswar during Foundation Day 2019	Significant contribution in agriculture	Certificate with memento
	Shri Balaram Gomango	Best Farmer Award	2020	OUAT, Bhubaneswar during Foundation Day 2020	Significant contribution in agriculture	Certificate with memento
	Shri Kulampir Sabar	Best Farmer Award	2021	OUAT, Bhubaneswar during Foundation Day 2021	Significant contribution in agriculture	Certificate with memento
Sundargarh-l	Shri Bhaktabandhu Naik	Best Young Tribal Farmer	2017	OUAT, Bhubaneswar during Foundation Day 2017	Significant contribution in agriculture	Certificate with memento
	Mr. Susanta Ku Naik	Best Innovative Farmer	2018	CIFA, Bhubaneswar	Innovative farmer	Certificate with memento
	Mr. Kamal Sagar Kullu	Young Tribal Innovative Farmer	2019- 20	Farm Innovators Meet, NASC, Delhi	Innovative farmer	Certificate with memento
	Mr. Manoj Kumar Mahakul	Best Organic Grower	2019	OUAT, Bhubaneswar during Foundation Day 2019	Organic grower	Certificate with memento
	Mrs. Nibedita Sinha	Women Entrepreneur in Vermicomposting	2021	District Administration	International Women's Day 2021	Certificate with memento
	Mrs. Sasmita Naik	Women Entrepreneur in Mushroom	2021	District Administration	International Women's Day 2021	Certificate with memento
	Mrs. Mithila Munda	Women Entrepreneur in Backyard Poultry Rearing	2021	District Administration	International Women's Day 2021	Certificate with memento
	Ms. Padmini Oram	Best Agricultural Worker	2021- 22	District Administration	International Women's Day 2021	Certificate with memento
Sundargarh-II	Sri Ramesh Ch. Patnaik	Innovative Farmer Award	2018	CIFA, Bhubaneswar	Organic mushroom production	Certificate with memento
	Sri Ramesh Ch. Patnaik	Best Farmer Award	2018		Organic mushroom production	Certificate with memento
	Sri Yogesh Patel	Innovative Farmer Award	2019	OUAT, Bhubaneswar during Foundation Day 2019	Organic approach for sustainable horticulture	Certificate with memento
	Sri Victor Bodra	Best progressive Farmer Award	2021		Improvement of income and employment through banana cultivation	Certificate with memento



Name of KVK	Name of the awardee farmer	Name of the award/ recognition	Year	Conferring authority	Purpose	Type of award/ recognition (Certificate/Memento/ Cash amount)
Nicobar	Smti. Martha Lawrance	Best Farmer Award	2017	,	Adoption of new technologies in agricultural farming	Certificate with memento
	Shri. Crispin John	Best Farmer Award	2018	ICAR-CIARI, Port Blair (RAF)	Adoption of new technologies in agricultural farming	Certificate with memento
	Smti. Norah John	Best Farmer Award	2018	ICAR-CIARI, Port Blair	For conserving wild betel vine	Certificate with memento
	Nicobari Community	Community Breed Conservation Award	2017	NBAGR, Karnal	For conserving the precious <i>'Nicobari'</i> pig breed	Certificate with memento
	Shri. Patrick Jeremiah	Best Farmer Award	2020	A & N Administration	Scientific IFS model	Certificate with memento







































#### **CHAPTER 9**

## **PUBLICATIONS**

The KVKs of tribal dominated districts under this zone have published quality research papers, technical/popular articles, leaflets/folders/pamphlets/manuals, book chapters etc. on their mandated activities during the year 2017-18 to 2022-23. Not only that, scientists from those KVKs participated in various national and international conferences/symposia/workshops etc. to present research papers and published abstracts/full papers in compendium but also prepared news items on various aspects for press and media at both local and national level. Radio talk, bites for news channel and others were also the parts of their routine activities. The list of those publications by the KVKs have been presented under different heads/subheads below.

#### A) Research paper

- Bhuyan J, Mohanty D K and Jayapuria D. 2019. Comparative Study between solar dryer and open sun dried tomato under north plateau climatic zone. *Journal of Krishi Vigyan*, **8**(1): 28-33.
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- Jena L and Pattnaik S. 2020. Impact of nutrient management on yield and yield attributing traits of gerbera (*Gerbera jamesonii* L.) growing under protection. *International Journal of Chemical Studies*, **8**(4): 318-323.
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- ❖ 'Amruta bahanda chasa (in Odia)', published by KVK Mayurbhanj-l
- 'Baigyanika paddhati o krushi kaushala dwara amba chasa (in Odia)', published by KVK Gajapati
- 'Baigyanika padhatire piaja chasa (in Odia)', Published by KVK Gajapati
- 'Baigyanika padhatire pijuli chasa o tara roga poka Niyantrana (in Odia)', published by KVK Gajapati
- ❖ 'Baigyanika pranalire biri chasa (in Odia)', published by KVK Gajapati
- 'Baigyanika pranalire china badam chasa (in Odia)', published by KVK Gajapati
- 'Baigyanika pranalire kadali chasa o tara roga poka niyantrana (in Odia)', published by KVK Gajapati
- 'Baigyanika pranalire khamba alu chasa (in Odia)', published by KVK Mayurbhanj-l
- ❖ 'Baigyanika pranalire muga chasa (in Odia)', published by KVK Gajapati
- ❖ 'Baigyanika pranalire rasi chasa (in Odia)', published by KVK Gajapati



- 'Baingyanik padhhatire biri chasa (in Odia)', published by KVK Nabarangpur
- 'Baingyanik padhhatire china badam chasa (in Odia)', published by KVK Nabarangpur
- 'Baunsa chasa (in Odia)', published by KVK Sundargarh-II
- 'Bihan bishodhan (Odia)', published by KVK Sundargarh-II
- 'Bio-floc', published by KVK Mayurbhanj-I
- 'Broccoli chasa (in Odia)', published by KVK Gajapati
- 'Bunda jalasechanare chasi ra unnati (in Odia)', published by KVK Gajapati
- 'Buta chasa (in Odia)', published by KVK Sundargarh-II
- 'Chatu Chasa (in Odia)', published by KVK Mayurbhanj-II
- 'Chemical control of BPH in paddy'. published by KVK Rayagada
- 'Dhana pare buta chasa (in Odia)', published by KVK Mayurbhanj-l
- 'Dhana phasalare roga pok niyantrana (in Odia)', published by KVK Nabarangpur
- 'Dhana re matia gundi pokara parichalana (in Odia)', published by KVK Nabarangpur
- ❖ 'Dhanara roga o poka parichalana (in Odia)', published by KVK Gajapati
- 'Dhingiri chhatu chasa (in Odia)', published by KVK Nabarangpur
- 'Different pumps and its selection with energy conservation guideline', published by KVK Mayurbhanj-II
- 'Dragon fruit chasa (in Odia)', published by KVK Sundargarh-II
- 'Fall army worm', published by KVK Sundargarh-I
- ❖ 'Fish preservation and value addition', published by KVK Sundargarh-I
- 'Gramina mahilankara atma niyukti pain pala chhatu chasa (in Odia)', published by KVK Rayagada
- 'ICT application in agriculture (in Odia)', published by KVK Mayurbhanj-I
- 'Importance of soil testing', published by KVK Sundargarh-I
- 'Integrated pest management in pulses & oilseeds', published by KVK Sundargarh-I
- 'Jia khata utpadana (in Odia)', published by KVK Nabarangpur
- 'Kanda mula chasa (in Odia)', published by KVK Sundargarh-II
- 'Kanhiki kariba mati pariksha (in Odia)', published by KVK Nabarangpur
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- 'Kolatha chasa (in Odia)', published by KVK Sundargarh-II
- 'Mandia ra mulyajukta padartha (in Odia)', published by KVK Mayurbhanj-l
- 'Manual for agriculture extension provider', published by KVK Sundargarh-I
- 'Mechanical descaling of fish', published by KVK Sundargarh-I



- 'Medicinal properties of medicinal plants', published by KVK Rayagada
- 'Mushroom cultivation', published by KVK Kandhamal
- 'Mushroom preservation and value addition', published by KVK Sundargarh-I
- 'Nutritional garden for nutritional security', published by KVK Sundargarh-I
- 'Paddy straw and oyster mushroom (in Odia')', published by KVK Sundargarh-I
- 'Pala chhatu chasa (in Odia)', published by KVK Nabarangpur
- 'Pala o dhingiri chhatu chasa (in Odia)', published by KVK Gajapati
- 'Panni parivar tali ghera parichalan (in Odia)', published by KVK Sundargarh-II
- 'Phala gachha lagaiebe kipari (in Odia)', published by KVK Sundargarh-I
- 'Pijuli chasa (in Odia)', published by KVK Sundargarh-II
- 'Poshana bagicha (in Odia)', published by KVK Rayagada
- 'PPV & FRA (in Odia)', published by KVK Rayagada
- 'Prakrutik krushi (in Odia)', published by KVK Nabarangpur
- 'Production technology of greengram', published by KVK Gajapati
- 'Production technology of groundnut', published by KVK Gajapati
- 'Production technology of sesame', published by KVK Gajapati
- \* 'Rice transplanter and its use (in Odia)', published by KVK Mayurbhanj-II
- 'Saghan krushi pain mritika pariksha (in Odia)', published by KVK Nabarangpur
- 'Samannwita rogapoka parichala, dhana (in Odia)', published by KVK Gajapati
- 'Samanwita pranali re fall army worm poka ra parichalana (in Odia)', published by KVK Gajapati
- 'Sankar jaitya bilati baigana chasa(in Odia)', published by KVK Mayurbhanj-l
- 'Scientific method of mustard cultivation', published by KVK Mayurbhanj-II
- 'Sita diniya chhatu chasa dhingiri chhutu (in Odia)', published by KVK Rayagada
- 'Sorisha chas (in Odia)', Published by KVK Mayurbhanj-II
- 'Unnat pranalire biri chasa (in Odia)', published by KVK Nabarangpur
- 'Unnat pranalire chinabadam bihan utpadan (in Odia)', published by KVK Nabarangpur
- 'Unnata pranalire gendu phuala chasa (in Odia)', published by KVK Nabarangpur
- 'Unnata pranalire genduphula chasa (in Odia)', published by KVK Gajapati
- 'Unnata pranalire palachhatu chasa (in Odia)', published by KVK Nabarangpur
- 'Unnatapranali re chinabadam chasa (in Odia)', published by KVK Mayurbhanj-l
- 'Use of diesel engine and its maintenance (in Odia)', published by KVK Mayurbhanj-II



- 'Vermicompost production', published by KVK Rayagada
- 'Vermicomposting and vermiculture production', published by KVK Sundargarh-I
- 'Prosperity through organic vegetable cultivation in Car Nicobar'. published by ICAR-CIARI, Port Blair
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#### D) Book/book chapter

Kumar A, Ghosh, A, Mondal, D, Ghosh, R and Bandopadhay P. 2022. Conservation agriculture for enhancing resource use efficiency and sustainability. In Book: Conservation agriculture technologies, Biotech books, New Delhi, pp: 143-156. (KVK Sundargarh-I).

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#### E) Electronic media

#### i) Audio cassette

- 'Backyard poultry rearing in Santali language', published by KVK Mayurbhanj-l
- 'Papaya cultivation in Santali language', published by KVK Mayurbhanj-l
- 'Soil health and its management', published by KVK Mayurbhanj-I

#### ii) Video cassette

- 'Dadanaru krushi udyogi', published by Mayurbhanj-I
- 'False smut in paddy', published by Mayurbhanj-I
- 'Mushroom cultivation', published by Mayurbhanj-I
- 'Patramoda pokar daman', published by Mayurbhanj-I
- 'Rouging technique in paddy seed production', published by Mayurbhanj-l
- 'Save water save life in Odia language', published by Mayurbhanj-I
- 'Say no to single use plastic', published by Mayurbhanj-I
- 'Success story of successful entrepreneur', published by Mayurbhanj-I
- 'Value added product of sabai', published by Mayurbhanj-I

#### iii) CD/DVD

- 'Empowerment of WSHGs through vermicomposting (CD/DVD)', published by Sundargarh-I
- 'Success story on mushroom production (CD/DVD)', published by Sundargarh-I
- 'Scientific method of greengram Cultivation (CD/DVD)', published by Sundargarh-I
- 'Vermicompost, IFS, honey bee, mushroom (success story)', published by Sundargarh-I



## F) Abstract presented/published at national/international seminars/symposia/conference

- Choudhuri N C, Ram N, Singh L B, George Z, Nanda B K, Bommayasamy, Pandey V K, Nayak H and Kundu A. 2018. Amelioration of heat stress in poultry through improved shelter in NICRA adopted villages. In: IPSACON-2018 held at ICAR-CIARI, Port Blair, 15<sup>th</sup>-17<sup>th</sup> November, 2018, pp: 215.
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#### G) Radio talk

- George Z. 2020. Advisory on 'Dairy Farmers of the Islands' broadcasted on 22<sup>nd</sup> May, 2020 in Kisanvani Programme of AIR, Port Blair.
- George Z. 2020. Talk on 'Aajivika ke Liye Teressa Bakriyan (in Hindi)' broadcasted on 26<sup>th</sup> August, 2020 (recorded 04<sup>th</sup> August, 2020 at 11:15 am) in Kisanvani Programme of AIR, Port Blair.
- Pandey S K. 2020. Advisory on 'Farmers of Car Nicobar' broadcasted on 23<sup>rd</sup> May, 2020 in Kisanvani Programme of AIR, Port Blair.
- Pandey S K. 2020. Advisory on 'Kharif preparation for farmers of Campbell Bay' broadcasted on 21st May, 2020 in Kisanvani Programme of AIR, Port Blair.
- Pandey S K. 2020. Talk on 'Sabziyon ki Kaasht mein Kampost (in Hindi)' broadcasted on 28<sup>th</sup> August, 2020 (recorded 04<sup>th</sup> August, 2020 at 12:15 pm) in Kisanvani Programme of AIR, Port Blair.

#### CHAPTER 10

## **MEDIA COVERAGE**

The different activities in the form of training, exposure visit, field day, OFTs, FLDs, farmers' meet, SAC meetings, monitoring field visits, kisan mela, kisan gosthi etc. conducted by the TSP/STC KVKs in their respective districts either on-campus and off-campus were also published by the local and national press and media for the benefit of public. Some important media coverages by the KVKs of this zone during the period of report have been shown as under.

#### Gajapati KVK













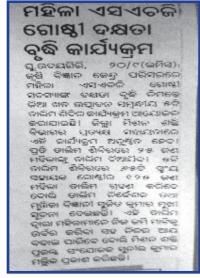








#### Kandhamal KVK







ସମ୍ବଳ ନା ବିଭାବନ ପ୍ରଧ୍ୟକାନୀ,

ବେୟରଳାଳୀ ଅନୁଷାତ ମାତକର

ดทัพน์ เพลาเพลา เปลดตล

କର୍ଣ୍ଣାଳ କନ୍ତରେଣ୍ଡି କଳିଥାରେ

ଷେତ୍ ପ୍ରବଶିକ ଦେଖ୍ୟରେ । ଜାଣିଗ୍ରମରେ ପ୍ରକଟ ଉତ୍ପଶ ରଙ୍କ ପ୍ରଫେବର ବଂଖ୍ୟାମ ବେଶରେ ବାର୍ଚ୍ଚ ଯୋଗଦେନ ସେଟ୍ ପ୍ରଚଳିନ ଦେଖିବା ସହ ଦେଖିକ ହେବା ବଳ୍ପ କର୍ମ୍ବର କଳ୍ପରେଣ୍ଡି କରିଥାରେ ସହର cubiculari satassa arcaissa ବହିଥିଲେ । ବୃତିଦିଶାନ ବେମୁର ବରିଷ රේඛනිත අ දැන සතුස අපහසික DE REPUBLICA COMPA OF ସଂଗୌର ଓ ବିଶ୍ୱଳ ନାଇଁ ଜୁନରେ ଭାଗନେର ବ୍ରିଷ ଓଥିବିଳାକରଣ CEN OR WEED, OF CREEK. ଅଟେ ପରିଶ୍ରୀରେ କମନ୍ତ ରହା ନାମ ଉଚ୍ଚ ଲାହରେ ଫୋଟସମ୍ବର୍ଣ୍ଣ ଜ୍ଞାନନ କମାଳିକ ଓ ଅନ୍ତର୍ଜିତିକ ପୁରିତେ ପୁଧାର ଅପିପର୍ଶିତ ଦେଉଁ



## ବିହନ ବୁଣା ଯନ୍ତ୍ରର କ୍ଷେତ୍ ପ୍ରବର୍ଶନ

ଜି.ଉଦସ୍ତ୍ରିଗି, ୧୨୧୧(ଆପ୍ର): କନ୍ଧମାନ ଓଡ଼ିଶା, ବୈଷୟିକ ବିଶ୍ୱବିଦ୍ୟାଳୟ ଓ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଉଦ୍ୟମରେ ଜି.ଉଦରଖିରିଠାରେ ସୋରିଷ ଫସଲ ଚାଷରେ ଅୟୁଏଟି ବଳବ ଟଣା ଚାରି ଧାଡ଼ିଆ ମଞ୍ଜି ବୁଣା ଯତ୍ତର କ୍ଷେତ୍ର ପ୍ରବର୍ଶନ କାର୍ଯ୍ୟକ୍ରମର ଆୟୋଜନ ହୋଇଛି। ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ଜିଲ୍ଲାର ବିଭିନ୍ନ ଅଞ୍ଚଳରୁ ପ୍ରାୟ ପତାଶ ଜଣ ଅସ୍ତଶୀ ଚାଷୀ, ଅନେକ କୃଷିବିତ, ସରକାରୀ ବିଭାଗର ପଦାଧୁକାରୀ, ବେସରକାରୀ ଅନୃଷ୍ଠନ କର୍ମକର୍ଭ ଉର୍ଗୁଆଇ କନଫରେଙ୍କିଂ ଜରିଆରେ କ୍ଷେତ୍ର ପ୍ରଦର୍ଶନ ଦେଖିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ପ୍ରକଳ୍ପର ଗବେଷଣା ଯହା ପ୍ରଫେସର ସଂଗ୍ରାମ କେଶରୀ ୱାଇଁ ଯୋଗ ଦେଇ କ୍ଷେତ୍ର ପ୍ରଦର୍ଶନ ସହ ସଞ୍ଜର କାର୍ଯ୍ୟକାରିତା ଆଲୋଚନା କରିଥିଲେ । କୃଷି ବିଜ୍ଞାନ କେତ୍ରର ବରିଷ୍ଠ ବୈଜ୍ଞାନିକ ଓ ମୁଖ୍ୟ ଡକ୍ଟର ଦେବାଶିଷ ମିଶ୍ର ଓ କୃଷି ଯାଞ୍ଜିକ ବୈଜ୍ଞାନିକ ଇଂ. ସଂଘମିତ୍ରା ବିଶ୍ୱାକ କାର୍ଯ୍ୟକ୍ରମରେ ଭାଗନେଇ କୃଷିର ଆଧ୍ରଟିକାକରଣ ହାରା କମ୍ ଖର୍ଚ୍ଚ, କମ ସମୟ, ଅନ୍ତ ପରିଶ୍ରମରେ ସମଞ ଚାଷ କାମ ହୋଇ ପାରୁଥିବାରୁ କୃଷକର ସାମଳିକ ଓ ଅର୍ଥନୈତିକ ସ୍ଥିତିରେ ସୁଧାର ଆସିପାରିବ ବୋଲି କହିଥିଲେ ।

#### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଦ୍ୱାରା ବୈଜ୍ଞାନିକ ପଦ୍ଧତିରେ ଚାଷ ପ୍ରଣାଳୀର ପ୍ରୟୋଗ : ଚାଷୀ ଭସାହିତ

ପ୍ରପ୍ରପର୍ନିତି, ୦୫/୦୧(ଅପ୍ର) ରହମାକ ଜିଲ୍ଲାରେ କୁଖକ ଓ କୃଷି ଯିବି ମହିଳାଙ୍କ ପାଇଁକାରିକ ରୋଜଗାର ବୃଦ୍ଧି ନିମନ୍ତେ ପମ୍ପରିକ କ୍ଷିତ୍ର ପରିବର୍ତ୍ତ କରି ଅଧୂଚିତ କ୍ଷି ଆତକ୍ ଅପ୍ରସର ହେବା ସହ ରୋଜଗାର ଖମତାର ବୃଦି ଆଦଶ୍ୟକତା କୁ ଦୃହିରେ ଉଷ୍ ସ୍କ ଉଦପର୍ବିଭିତେ ଥିବା କୃଷି ବିଜନ ଦେଇ , ଉଦ୍ୟାକ ଯହାହି । ତିଶା କଳି େ ଦେଖନ୍ତିକ ବିଶ୍ୱ ବିଦ୍ୟାଳୟ (୫ନ୍-୧୯) କ୍ରଦେଶର ଅଧିବସ୍ତ ପ୍ରକାଶ ଅଂକରେ କୃଷକ ମାନକ ସିସମିତ । ପ୍ରାସା ବୃଷି ବ୍ୟବସା ପଇଁ අමේදීය දම්කම්ප කළ වෙමස ସହାଯାଗେ ଚଳିତ ବର୍ଷ ୨୦୨୨-୨୦୨୩ ମସିହାରେ ହେ, ରି. ହେ ଉଦ୍ୟଳ ର ଉଦ୍ୟନ କୃଷି ଦୈଷରିକ



ଚକ୍ରର ବିବାର୍ଥ ତର ବଂ ପ୍ରାରୀ ଦୈଷାଳିକ ଉପୟ ସେ ପମିପରିକା ନାଷ ଯଥା ଦୂର ବୋଦି ,ଟମାମେ , ମଟର, ସିଅର, ବାହୁଦି ଅଦି ର ଜନ ଯୌଶତ ପ୍ରଦଳ କରାଯାଇଛି । କୁଦ୍ର ଓ ନାମ ମାତ୍ର କୃଷକ ମାନେ ସମକ୍ରିନ ପ୍ରଶାକା ରେ ସଦ୍ୟର ବରିତା ପର୍ଲି ଉଗ୍ରିତା ପାଇଁ ନାଧ ଗ୍ରୟର ଫରାନ କରାଯାଇଛି । କଳ୍ପାକ ହିଲ୍ଲା ର ଅନ୍ତମ ବୃହତ ହିଲା ରଖନ ପ୍ରଧାନ, ପ୍ରମ ବରାପୁରା, ପୂତ ଟିକାରରି, କମେଳ କୃଷି ଦିବାଟ କେନ୍ଦ୍ର କମେଳ ର ଉଦାନ ଦିବାନ ଦିଲାଗ ର ଦୈଷାନିକ ତୃତ୍ୱର ବିଷାର୍ଶ କ' ର ପରାମର୍ଶ ଦେଇ କୈତିକ ଉପାୟ ରେ ଫୁଲ ଜୋଡି ୧୯୩୧ଟା ଉତ୍ସବନ କରିବା ରେ ସଫଳ ହୋଇ ପାରିଛର୍ତ୍ତି ଓ ଉପସ୍ତଲ ମଳ୍ପ ସେ ଜୈବିକ ପଳିପରିବା ବିଜୟ ପାଇଁ ସରକାର ଙ୍କ ସହାୟତା ର ଅବଶାକ ଅଛି ବୋଲି ମତପ୍ରକାଶ କରିଛନ୍ତି । ଉଦ୍ୟାସ ଦୈଷାଦିକଙ୍କ ମତରେ ସମନ୍ଦିତ ପ୍ରତିଷା କରଣ ଓ ଉପସୁକ୍ତ କିପଣନ ଦ୍ୱାରା ඉතු ගලද පුල්ග මුල්ගෙ ගලර ගෙනගුරුව

## କୃଷକ ଓ କୃଷିଜୀବୀ ମହିଳା ମାନଙ୍କ ପାଇଁ ତାଲିମ କାର୍ଯ୍ୟକ୍ମ

ସ୍ତ ଭବଶ<mark>ଗିରି, (ହୀ.ପ୍ର):</mark> ପ୍ରାନୀୟ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପକ୍ଷରୁ ଅଳି ଜାଳାମାହା ପାଠାଗାର ଠାରେ ଗୃହ ବିଜ୍ଞାନି ସୁମିତ୍ରା ହେମ୍ରମଙ୍କ ନେତୃତ୍ୱରେ ଛତୁ ଓ ବାଦାମର ଚୋପା ଛଡାଇବା ଯନ୍ତ ବ୍ୟବହାର କରିବା ବିଷୟରେ ଏକ ଡାଲିମ ପ୍ରଦାନ କାର୍ଯ୍ୟକ୍ରମ ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ସ୍ଥାନୀୟ ଅଞ୍ଚଳର ଏସହେଡ଼ିକ ଗ୍ରୁପ୍ ମହିଳା ମାନଙ୍କୁ ନେଇ ଏହି କାର୍ଯ୍ୟକ୍ରମ ହୋଇଥିଲା । ଏହି ତାଲିମ କାର୍ଯ୍ୟକ୍ରମର ଉଦ୍ଦେଶ୍ୟ ସେପରି ମହିକାମାନେ ସଶକ୍ତିକରଣ ହୋଇପାରିକେ ଓ ଛତୁ ଡ଼ାଷ କରି ଲାଭବାନ ହେବାସହ ପରିବାର ଉପକୃତ ହେବେ । ଏହି ଚାଷ ପାଇଁ ରାଜ୍ୟ ସରକାର କିଛି ଅନୁଦାନ ଦେଉଥିବା ବେଳେ ହିତାଧିକାରୀ ମଧ୍ୟ କିଛି ଅର୍ଥ କିନିଯୋଗ କରି ଏହି ଡ଼ାଷ କରିବେ । ସେପଟେ କୃଷି କିଞ୍ଚାନ କେନ୍ଦ୍ର ପୁ. ଉଦୟଗିରି ପକ୍ଷରୁ ମଧ୍ୟ ଏକ କାଦାମ ଛଡେଇବା ଯନ୍ତର ମଧ୍ୟ ବ୍ୟବହାର ବିଷୟରେ ତାଲିମ୍ ଦିଆଯାଇଛି।ଏହି ଯନ୍ତ ଦ୍ୱାରା ଜଣେ ମହିଳା ଏକ କେଳି ବାଦାମ ୫ ମିନିଟରେ ଛଡେଇ ପାରିବ ବୋଲି ତାଲିମ ପ୍ରଦାନକାରୀ ପ୍ରକାଶ କରିଛନ୍ତି । ଏହାର ବ୍ୟବହାର ଦ୍ୱାରା କମ୍ ସମୟ ମଧ୍ୟରେ ଅଧିକ ବାଦାମ ମଜି ସଂଗ୍ରହ କରାଯାଇ ପାରିବ । ଶେଷରେ ଯୋଗ ଦେଇଥିବା ମହିଳାମାନେ ଏହି ତାଲିମ ସ୍ୱାରା ଉପକୃତ ହେବେ ବୋଲି ମତ ପ୍ରକାଶ କରିଛନ୍ତି ।



## କୃଷି ଯାଜିକ ଓ ପ୍ରାକୃତିକ କୃଷି କୁ ନେଇ ସଚେତନତା ଅଭିଯାନ ଅନୁଷିତ

ତି. ଜବଣସିରି, (ଖବର):କଦ୍ଧମାନ ଜିଲ୍ଲା ସରକାରୀ ଙ୍କ ଯୋଜନା କଣ ସବୁ ରହିଛି, ଡି.ଉଦ୍ୟଗିରି ବୃଷି ଦିଆନ କେନ୍ଦ୍ର ଠାରେ । ତାଷୀ ନିପରି ତାର ସଦସିତି ପାଇଦ, ଆଳି ଏକ ଦିନିକିଆ ସଚେତନତା କାର୍ଯ୍ୟକ୍ରମ । କେଉଁ ଚାଷ ପାଇଁ କେତେ ସବସିତି ରହିଛି, ଅନୃଷିତ ହୋଇଯାଇଛି । ଏହି କାର୍ଯ୍ୟକମରେ । ଏବଂ କ୍ଲକର ଥକା ବିଭିନ୍ନ କୃଷି ଅଧକାରି ଳିଲ୍ଲାର ୪ଟି କୁକ ଯଥା ଟିକାବାଲି, ଳି କ ସହିତ କିପରି ଯୋଉଯୋଡ କରି, ଉଦ୍ୟଗିରି, ରାଇକିଆ, ଏବଂ କ. ନୂଆଗାଁ ଚାଖୀ କିପରି ଚାର ଅଧିକ ରାଉ ପାଇ କୁଳ ର ପାଖା ପାଖି ୬.୫୦ରୁ ରହିଁ ରଭୟ ପାରିକ, ଏବଂ ଜିହନ ସହିତ ଆକଶ୍ୟକ ପୁରୁଷ ଏବଂ ମହିଳା କୃଷକ ମାନେ ଯୋଗ ଉପକରଣ କିପରି ସୁକିଧା ରେ ଦେଇଥିଲେ । କୃଷି ବିଜ୍ଞାନିକ ମାନେ ମଧ୍ୟ ପାଇପାରିବେ ସେ ଉପରେ ଚାଖା ମାନଂକୁ ଇପଗୁଁତ ରହି କୃଷକ ମାନଂକୁ ସଚେତନତା ସଚେତନ କରାଯାଇଛି ! ଏହି-କରିଥିଲେ ଏବଂ ଆଜିର ଏହି ସଚେତନତା ସଚେତନତା କାର୍ଯ୍ୟକମରେ ପଫେସର ର ମୁଖ୍ୟ ଉଦେଶ୍ୟ ଥିଲା ଯେ, ସମସ୍ତେ ଚାଷୀ 🏻 ଅଳୟ ଦାସ, କଲେଳ ଅଫ ଏଗ୍ରିକୋଲଚର କିପରି ରାସାୟନିକ ପହତିରୁ ତୈବିକ ପହତି । ଇଂଜିନିଓରିଙ୍ଗ, ଜୃକ୍କର ନାରାୟଣ ବାର, କ୍ ଅଲୟନ କରି ତାଷ କରିବେ ଏବଂ କୃଷ । ବରିଷ କୌଷାନିକ ଓ ମୁଖ୍ୟ କୃଷ ବିଷାନ

ଯନ୍ତପାତି ର ବ୍ୟବହାର ଜାଣିକେ, ସେଥିପାଇଁ କେନ୍ଦ୍ର କନ୍ଧମାଳ,ତଃ ଜ୍ଞାନରୋକ ବାସ



ଏହି. ଆର. ଏ.ଆର.ଟ. ଟ.ଏସ. ଜି ହୌଣାନିକ, ମସ ସ୍ଥମତା ହେମ୍ବମ,କାର୍ଯ୍ୟକ୍ରମ ଭୁକନେଶ୍ର,ଶ୍ରୀପାଲି ପ୍ରଧାନ, ଷେତ୍ର ଫୁଲବାଣୀ ପୁମୁଖ ଉପସ୍ଥିତ ଥିଲେ ।

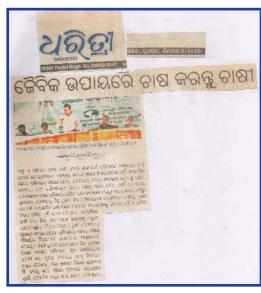
ରଦୟଗିରି, ତା ସୁଳିତ କୁମର ମୁଖି, ମୂର୍ତ୍ତିକା ପରିଚାଳିକା ଗୁହ ବିଦ୍ଧାନୀ, ଶ୍ରୀ କ୍ୟୋଡି ବୌଜାନିକ କୃଷି ବିଜାନ କେନ୍ଦ୍ର କନ୍ଦମାନ, ରଖନ ପ୍ରଧାନ, ସହକାରୀ କୃଷି ଅଧିକାରୀ ତଃ ସିଦ୍ଧାର୍ଥ କର, ଉଦ୍ୟାନ କୌଜ୍ଞାନିକ କୃଷି 🕏 . ଉଦୟଗିରି ପ୍ରଭାତୀ ପ୍ରଧାନ , ସହକାରୀ ବିଷାନ କେହ କଥମାନ, ତଃ ସୌଦାମିନୀ । ଉଦ୍ୟାନ ଅଧିକାରୀ ଜି. ଉଦ୍ୟଗିରି, ଏବଂ ସ୍ୱାଇଁ,ଫଳ ଜିଞ୍ଚାଳୀ, ଓ. ଯୁ.ଏ ଟି. ଡ଼ଃ ସୁତ୍ରତ କେହେରା ସୁଷାଅଞ୍ଚଳ କୃଷି



#### Malkangiri KVK













#### Mayurbhanj-I KVK



ନିର୍ଗୟ ମିତିଆ : ବାରିପଦା

କ୍ଷି ବିଜାନ କେନ୍ଦ୍ର ମଣ୍ଡରଭଜ-୧ ପଷରୁ ଗୋପବହୁନଗର ବୃକ ଅନ୍ତର୍ଗତ

ଭାଶୀବନ ଗାମରେ 📓 ଶନିବାର କ୍ଷିତାବା ମହିଳା ଦିବସ ପାଳିତ ହୋଇଥିଲା । କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ମୁଖ୍ୟ ତ. ସଂଘମିତା ପଟନାଗକଙ୍କ ଅଧାଷତାରେ ଅନୁଷିତ ଜାଯ୍ୟଜୁମରେ

ଗ୍ହବିକାନୀ ଝୁନିଇତା 💥 ର୍ଯାଁ, ମିଶନଶରି ସଂସୋଜିକା ମହିକାମାନେ ଅଧ୍କ ଦୌପବୀ ବାଘରାଏ ପୁମୁଖ ସୋଗ ହେବାକୁ ବରାମାନେ ପରାମଶଂ ଦେଇ ମହିଳାମାନେ କୃଷି କାର୍ଯ୍ୟ କରି ଆତ୍ରନିର୍ଭ୍ୟାଳ ହେବାକ୍ ପରାମଶ ତେଇଥିଲେ ।

ବ୍ୟବହାର ଜଣିବା ମହିଳାମାନଙ୍କର ଶୁମଲାଘବ ହେବ ବୋଲି ବରାମାନେ କହିଥିଲେ । ଅଧିକ ପରିନାଶର ଛତ୍ ଚାଷ 00

ଦେଇଥିଲେ । ଏହି ଅବସରରେ ମହିଳାମାନଙ୍କୁ ଉନ୍ତମାନର ଅମୃତରଣ। କ୍ଷିସନ୍ତପାତି ତାରା ବୟନ କରାଯାଇଥିଲା ।

#### ଅପରାହ THE APARAHNA

କୃଷିଜୀବୀ ମହିଳା ଦିବସ ପାଳିତ ଓ ଚାରା ବଂଟନ

ବାଣିମନା, ୦୪/୧୨(ଚିମ୍ର): ସୋସବଶୁନସର ପୁରର ରାଣାବଳ ପ୍ରାମରେ କୃଷି ବଞ୍ଚାନ ବେଛୁ, ମଣ୍ଡରଖେ-୧ ଜରଫରୁ ବୃଷିଳୀବା ମହିଳା ଦିବସ ପାଳତ ସୋଇଯାଇଛି । ଏହି ଅବସରରେ କୃଷି ଦିଷାନ କେନ୍ଦ୍ର ମୁଖା ଜ୍ୟ ସଂଘମିତା ପଦନାଶଳଙ୍କ ଅଧ୍ୟକ୍ଷତାରେ ଅନୁଷିତ କାର୍ଯ୍ୟକୁମରେ କୃତ ବିଷାନା ଝୁନାରତା କୁଣୀଁ, ମିଶନ ଶବି ବୃତ ଜଗିନେଟର , ତ୍ରୌପତୀ ବାସରାଏ, ଗୋଗତେଇ ମହିଳାମାନେ ବୃଷ୍ଟିକାର୍ଯ୍ୟ କରି ଆମୁଟିର୍ଜ୍ଦରଖାଳ ହେବାକୁ ପରାମର୍ଖ ବେଇଥିଲେ । ଗ୍ରହ ବିଷାନୀ ଶ୍ରୀମତୀ ଭୂଗୀ କୃଷି ଯଖଯାତି ବ୍ୟବଦାକ ଦୂଲା ମହିଳା ମାନଙ୍କଳ ଶ୍ରମ ଲାଇବ ନିମରେ କଞ୍ଜି ଜିଲ୍ଲାକ ଜେନ୍ଦ୍ର ହାରା ନିଆଯାଇଥିବା ଜିଭିକ୍ ଜାର୍ଯ୍ୟକ୍ତ ସଞ୍ଚଳରେ ବେଥିଲେ ବୃଷ୍ଟ ବଞ୍ଚଳ ବୟକ୍ତ ହୁଏବା କମ୍ପାଧ୍ୟକ୍ତକ ବହଳ ହୋଇଥିବା ସାଧାର ଆରୋକପାତ କରିଥିଲେ । ଛତ୍ର ତାଷ ଏବଂ ଛତ୍ର ମଞ୍ଚଳ ହୋଇଥିବା ସେଥିଲେ ମଧିକା ମଧ୍ୟତ ଦିବସ୍ଥ ଦିଲାନିତ କରି ଅଧିକ ସାଧାନଙ୍କ ବ୍ୟବ ପ୍ରସ୍ଥ ସାଧାନଙ୍କ ସାଇଁ ସାଧାନଣି ଦେଇଥିଲେ । ମିଶନ ଶଞ୍ଜିଲ କରିନ୍ଦେବର ମହିଳା ମାନଙ୍କୁ ସଂଧାନକ ହୋଇ ଉତ୍ୟେବାଲର୍ଜିକ କୃଷ୍ଟି ଆମନେଲକ। ପାଇଁ ସାଧାନର୍ଜ ବେଣଣ୍ଡଲ । କେନ୍ଦର ମଖ୍ୟ ତଃ ପ୍ରଜନାୟକ କଞ୍ଜି ଏବଂ ଆନ୍ତବଣ୍ଡିକ କଞ୍ଜିକ ଆପଶ୍ରେକ ପାରିଲେ ଆଶ ବୃଦ୍ଧି ହୋଇପାରିକ ବୋଲି ମଳବା କେଇଛଳି ।ଏହି ଅବସରରେ ଅମୃତରାଶା ଜାରା ତଂକଳ କରାଯାଇଥିଲା । ଏଥିଲେ ପତାଶକୁ ଲହ୍ନ୍ସଁ ମହିଳା ଯୋଗଦେଇ କାର୍ଯ୍ୟକ୍ରମକୁ ବଫଳ କରିଥିଲେ ।



අත්වරුණු දෙවැනිවූ, සංගේෂක දුම් අනෙක්ෂක අම්ම ශාර පරිස දැන වේගේ ශ්රීම දැනිම සහ අතර අපත්ම පතිලේ අතුළ හෝ දැන වේගේ ශ්රීම දැනිම සහිත අත්වල පත්තමය මේ අ ඉතින විතර අත් සහ විතරමේ දැන දැනීමක මේ අ තිතෙනින දැනිම සහ මිතරමේ දැන දැනීමක මෙල ඒ තරකක අවතාලේ සහ අතර අත්වල සහ පිළිත් සහ පැති දැනිම අතුළුමේ පසමය මිලික ඇත. පිළිත් සහ පැති දැනිම අතුළුමේ පසමය මිලික ඇත. පිළිත් සහ සහ අත්ව අතුළු දැනීමේ පත්තම සමය අතර පත්තු සහ සහ අතර අතර අතර අතර අත්වල පත්තම දැනීමේ සහ පත්තම අතර අතර අත්වල වෙත පත්ති පත්තම සහ අතර අතර අතර අත්වල මේ අතුළුම දැනිම සහිතිය අතර අතර අතර අතර අත්වල පත්තම සහ සමක් අතර අතර අතර අතර අත්වල පත්තම සහ සමක් අතර අත්වල පත්තම පත්තම ඉතින සහ මෙත මෙක අතර අත්වල පත්තම පත්තම ඉතින සහ අතර අත්වල අත්වල පත්තම පත්තම දැනිම සහ අතර අත්වල අත්වල පත්තම පත්තම



ඉහළු ර මෙය ලුකල් ආණපුල් රමේ ගෙන් පටපළමුවේ ඉති වසටකතිම පවිජිතුම ක්රී රටරය පේ රාජ් පටප්‍රයේ ප්‍රත්‍ය රජය ඉතුල් රජයක් ආක්ෂය ඉතුල් රජයක් ආක්ෂය පුරුම් ඉතින් ම පටප්‍රවරය ප්‍රත්‍ර රජයක් ප්‍රක්ෂය ප්‍රත්‍ර ඉතින් ම පටප්‍රවරය ප්‍රත්‍ර ඉතින් ම පටප්‍රවරය ප්‍රත්‍ර ඉතින් ප්‍රත්‍ය දුම් ප්‍රත්‍ය දුම් දුම් දුම්වේ ඉතුල් ප්‍රත්‍ර පටක්‍රයේ ඒ පටස්ත් පත්‍ය පත්‍ය ඉතින් කතු සඳ ප්‍රත්‍ය පත්‍ය ඉතින් මේ සේක් දුම්වේ තරක් ප්‍රත්‍ය දුම්වේ පත්‍ය දුම්වේ පැතිවේ ඉතුළු දෙන්න පත්‍ය පත්‍රත්‍ය අත් පත්‍ය දුම්වේ පත්‍ය දුම්වේ ඉතුළු දෙනක් පත්‍ය ඉතින්නේ දුම්වේ පත්‍ය පත්‍ය දුම්වේ ඉතුල්වේ ඉතුළු දෙනක් පත්‍ය ඉතින්නේ දුම්වේ පත්‍ය පත්‍ය දෙනක් පත්‍ය ඉතින්නේ දුම්වේ පත්‍ය පත්‍ය පත්‍ය දුම්වේ පත්‍ය පත්‍ය පත්‍ය පත්‍ය දුම්වේ



ଜ୍ଞାନ୍ତ ଓଡ଼ିବା, ହେଉଣ ପିଶାନି ସହ, ୬୬୦ ଓଡ଼ିବା, ହେଉଣ ପିଶାନି ସହ, ୬୬୦ ଓଡ଼ିକା ମହାଥିତ । ସହ ବୃହାର ମହାଥିତ । ସହ ସ୍ୱାନ୍ତ ପ୍ରତ୍ୟ କ୍ଷାନ୍ତ ଓଡ଼ିକା ଅନ୍ତର୍ଜ ପ୍ରତ୍ୟ କ୍ଷାନ୍ତ ଓଡ଼ିକା ଅନ୍ତର୍ଜ ଅନ୍ତର୍ଜ ମହାରେଖ ଅନ୍ତର୍ଜ ଓଡ଼ିକା ଅନ୍ତର୍ଜ ଓଡ଼ିକା ଅନ୍ତର୍ଜ ଅନ୍ତର୍ଜ ମହାରେଖ ଅନ୍ତର୍ଜ ଅନ୍ତର୍ଜ ମହାରେଖ ଅନ୍ତର୍ଜ ଅନ୍ତର୍ଜ ମହାରେଖ ଅନ୍ତର୍ଜ ଅନ୍ତର୍ଜ ମହାରେଖ ଅନ୍ତର୍ଜ ଅନ୍ତର ଅନ୍ତ



प्रकार के प्रकार के प्रकार कर कर के प्रकार के

# ମହୁମାଛି ପାଳନ ସଚେତନତା ପ୍ରଶିକ୍ଷଣ ଶିବିର



#### Mayurbhanj-II KVK

















ଯଶିପ୍ରର, ତା ୨୨।୧୨ (ପିଏନଏସ)

ଯଶିପ୍ରସ୍ଥିତ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପକ୍ଷର ବଡ଼ପାହାଡ଼ ଗ୍ରାମରେ ଗୁରୁବାରେ କୃଷି ସଚେତନତା ତାଲିମ ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ବରିଷ୍ଠ କୃଷି ବୈଜ୍ଞାନିକ ତୃଃ ଦୀପକ କୁମାର ମହାନ୍ତିଙ୍କ ଅଧ୍ୟକ୍ଷତାରେ ଆୟୋଜିତ ତାଲିମ ଶିବିରରେ କୃଷି ବୈଜ୍ଞାନିକ ଦେବାଶିଷ ପଣ୍ଡା, ସତ୍ୟ ନାରାୟଣ ମିଶ୍ର ଯୋଗଦେଇ ଚାଷୀମାନଙ୍କୁ ତାଲିମ ପ୍ରଦାନ କରିଥିଲେ । କୃଷି ବୈଜ୍ଞାନିକ ଚାଷୀଙ୍କ ବିଭିନ୍ନ ଚାଷ ବୁଲି ଦେଖିବା ସହ ସେଥିରେ ଥିବା ସମସ୍ୟା ସମାଧାନ ପାଇଁ ପରାମର୍ଶ ପ୍ରଦାନ କରିଥିଲେ । ବନ ସୁରକ୍ଷା ସମିତି କାର୍ଯ୍ୟାଳୟରେ ଆୟୋଚିତ ଏହି ତାଲିମ ଶିବିରରେ ପତାଶ ଜଣ ତାଷୀ ଅଂଶଗ୍ରହଣ କରିଥଲେ ।

ଓଡ଼ିଶା ବନାଞ୍ଚଳ ଉନ୍ନୟନ ପ୍ରକଳ୍ପ - ୨, ସଂଯୋଜକ ନନ୍ଦକିଶୋର ମହାନ୍ତ, ବନ ସହାୟକ ଜୟହରି ନାୟକ ତାଲିମ ଆୟୋଜନ କରିବାରେ ପ୍ରମୁଖ ଭୂମିକା ନେଇଥିଲେ l ଶରତ ତ୍ରିପାଠୀ ଶେଷରେ ସମସ୍ତଙ୍କୁ ଧନ୍ୟବାଦ ଦେଇଥିଲେ ।



ପ୍ରାୟ ସାଳେ ଚିଳି ପଣାରୁ ୪ ପଣା ମଧ୍ୟରେ ଏକ

ଗ୍ରାମର ଉଲ୍ଲକନ୍ତୁ ଛଡର ସହଯୋଗ କରିଥିଲେ ।



#### Nabarangpur KVK

## ଚାଷୀଙ୍କ ଲାଗି ମନ କି ବାତ ପ୍ରେରଣାର କେନ୍ଦ୍ର ବିନ୍ଦୁ ହୋଇଛି



■ ଉମରକୋଟ,ରା୨ା୫/ପିଏକଏସ) ରମରକୋଟ କୃଷି ଦିଞ୍ଚାନ କେହ ପରିସରରେ ପ୍ରଧାନମନ୍ତୀଙ୍କ ମନ କି ବାରେ ୧୦୦ ଚମ ଜାର୍ଯ୍ୟକ୍ରମର ପ୍ରଥାନମସ୍ତାକ ନାନ କ ବ୍ୟବର ୧୯୦ ଏକ ଅଟେକ୍କମର ପ୍ରଥାନମସ୍ତାଙ୍କ ମନ କି ବାନ ବାଞ୍ଚାଙ୍କ ଠାରେ ଇତ୍ରେଖନୀୟ ପ୍ରେଥାନମସ୍ତାଙ୍କ ମନ କି ବାନ ବାଞ୍ଚାଙ୍କ ଠାରେ ଇତ୍ରେଖନୀୟ ପ୍ରେଥାନ ସୂର୍ଷି କରିଠାରିଛି ଏଟ ନୃତନ ଜଳ ଜଳ କୌରକଙ୍କ ଆଧରଣେ ନଦା ପାଇଁ ବାଞ୍ଚଳ ବୁଞ୍ଚିଲଙ୍ଗାର ପରିବର୍ତ୍ତନର ସହାସକ ହୋଇପାରିଛି ବୋଲି ମପ୍ରଦ୍ରାଧ ପାଇଛି । ପ୍ରଧାନମନ୍ତାଙ୍କ ସଦେଶ କୃତରୁ କୃତ୍ରତର ତାଖ ମାନଙ୍କ ଉପରେ କି ପ୍ରକାରର ପ୍ରଭାବ ପକାଇଛି ଏବଂ ଏହାଇ ଖଦ୍ୟ ଶସ୍ୟ ଉତ୍ପାଦନ କରି କାଖ ଜିପରି ଲାଜବାନ ହୋଇପାରିଛନ୍ତି ଏହା ଉପରେ ଏକ ଗଦେଖଣ କରାଯାଇଥିଲା ଏହି ପ୍ରଥମିକ ଆକଳନ ଦେଶର ବିଭିନ୍ନ ରାଜ୍ୟର ୧୩୬୪ ଜଣ ଚାଷୀଙ୍କୁ ନେଇ କରାଯାଇଥିଲା । ଏଥିରେ ଚାଷୀ ମାନେ

ସମନ୍ତିତ କୃଷି ପ୍ରାକୃତିକ କୃଷି ପ୍ରାକୃତିକ ସମ୍ପଦର ଉଷଣବେଷଣ କରିବାକୁ ଏହାତି ପ୍ରଦାନ କରିଥିଲେ । ଏହି ମନ କି ବାଦ୍ ପ୍ରସାରଣ କାର୍ଯ୍ୟକ୍ରମ କୃଷି କିଷାନ କେନ୍ତ ପଷରୁ ପ୍ରବେଶକ ମାସରରେ ଅନୁଷ୍ଠିତ ରହରଥିବା ବେଳେ ଏଥିରେ ଶତାଥିକ ତାଖା ଯୋଗ ଦେଇ ଆଲୋଚନାରେ ଅଂଶଗ୍ରହଣ କରିତା ସହିତ କୃଷି କାର୍ଯ୍ୟରେ ଥିବା ସମସ୍ୟାର ସମଧାନ ନେଇ ବିରଦଶନ ପାଇଥିବା ପ୍ରକାଶପାଇଛି ।କାର୍ଯ୍ୟକ୍ରମରେ କୃଷିଦିଜ୍ଞାନ କେନ୍ତର ବରିଷ ମୁଖ୍ୟବୈଜ୍ଞାନିକ ଜ ଗୋବିନ୍ଦବନ୍ତ ସାହ୍ନ ଓ ପରିତୋଷମୁର୍ମ୍ , ତୃତ୍ର ପ୍ରସନ୍ତ ମହାଳିକ, କାଶାପାଣି ତତିଆ, ଶୁତଶ୍ରା ସାହ୍ନ ପ୍ରମୁଖସୋଗବେଲ କାର୍ଯ୍ୟକ୍ରମକୁ ପରିଚାଳନୀ କରିଥିଲେ ।

## କୃଷି ଓ କୃଷକ କାର୍ମଶାଳା

ମାଧ୍ୟମରେ ଯୋଗ ଦେଇ ଯଉର କାର୍ଯ୍ୟକାରିତା

ସେମନ୍ଦେବର ଅଧାନତ କରିପ୍ରସାଧାରଣ ବେଳ ପୂର୍ବା ଅଧିକ ନାଦେ ନରିପ୍ର ପୂକର ଅଧାନ୍ତ କୁମୁଦିନୀ ବହେଇ ମହା ପ୍ରତନ୍ତର ଦେଖନିକ ବା ବିଷଦିବୟ ସୂର୍ଣ୍ଣ ଜିଣ୍ଡା କୃଷ୍ଣି ଅଧ୍ୟନ୍ତୀୟ, ବାସିବାକ୍ତ ରୋଗବରଣ ବଥା ଅନ୍ୟନ୍ତମ କୃଷ୍ଣି ଅଧିକାରୀମନେ



■ 898(6) G 6100 [ 5) (\$46-40)

ରମରକୋଟ ସ୍ଥିତ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପକ୍ଷରୁ ୧ କୋଟି ୫୧ ଲଷ ଟଙ୍କା ବ୍ୟସରେ ନିର୍ମିତ ନୂତନ ପ୍ରଶାସନିକ କୋଠା ଉବସାହିତ ହୋଇଯାଇଛି । ଏହି ଅବସ୍ତରରେ ଶାସନ ସଚିତ ତଥା ନତରଙ୍କପର ଜିଲ୍ଲାର ପର୍ବତନ ଜିଲ୍ଲାପାଳ ଜଃ ଅଗବିଦ ଜୁମାର ପାଳା ମୁଖ୍ୟ ଅଚିଥି ଭାବେ ଯୋଗବେଲ କୋଠା ଉଦଘାଟନ କରିଥିଲେ ।

ସନ୍ତାନିତ ଅତିଥି ନବରଙ୍ଗପ୍ତର ଜିଲ୍ଲାପାଳ ତଃ କମଳ ରୋଚନ ମିଣ୍ଡ, ଜିଲ୍ଲା ଗ୍ରାମ୍ୟ ଉନ୍ନସନ ସଂସ୍ଥା ପ୍ରକଳ୍ପ ନିର୍ଦ୍ଦେଶକ ଅନ୍ୟା ଦାସ, ଓଡ଼ିଶା କୃଷି ଓ ଦୈଷଣିକ ଶିଷା ଅନୁଷ୍ଠାନର ସମ୍ପସାରଣ ଶିଷା ନିର୍ଦ୍ଦେଶାଳୟ ଜିନ ପ୍ରଫେସର ପ୍ରସନ୍ତିତ ମିଶ୍ର, ଗଦେଶଣା ନିର୍ଦ୍ଦେଶାକର ଜିନ ପଫେସର ସଂଗାମ କେଶରୀ ସାଇଁ, ଜାଇସ ଚାନସରର ପ୍ରଭାଚ କୁମାର ରାଜନ ପ୍ରମୁଖ ଯୋଗ ବେଇଥିଲେ ।

ଉମରକୋଟରେ ମକା ମିଶନ୍ ଯୋଜନାଟେ ତାଷୀ ଲାଇବାନ ହେବା ବିଗରେ ବିଶେଷ ଧାନ ଦିଆଯାଉଥିବା ଓ ମକା ପ୍ରକିୟାକରଣ ଶିଳ୍ପ ପ୍ରତିଷ୍ଠା ନିମନ୍ତେ ଲଦ୍ୟମ ଆରୟ ହୋଇଛି ଦୋଲି ପ୍ରମୁଖ ସଚିଦ ମଧ୍ୟ ତରିଷ ଦୈଷାନିକ ତଃ ଗୋଡିତ ତଦ ସାହ ଜଃ ପରିତୋଷ ମୁର୍ମ୍ୟ ବାଣାପାଣି ଚରିଆ, ଜଂ ଅନି ଜ୍ୟୋତି ମାଝୀ ପୁମୁଖ ଉପଛିତ ଥିଲେ ।



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#### ଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ର ଶୁଭ ଉଦଘାଟ କଲେ କୃଷି ସଚିବ ଅରବିନ୍ଦ ପାଢ଼ୀ

ଙ୍ଗ ଜ୍ୟୋତି(ଦୂର୍ଗା ଜ) : ଆଦିବାସୀ ଅପର ଜିଲ୍ଲା ର କନ୍ଦ୍ର ଉମରକୋଟ ଉ କୃଷକ ଙ୍କ କୃଷି ଦ୍ୱୁଟି ଆଣିକାକୁ କୃଷି ର ଶୁଭ ଉଦସାଟନ । ଏହି କାର୍ଯ୍ୟକ୍ରମ ମୁଣ୍ଡ ଭାବେ ଓଡ଼ିଶା वर्त्वसम्बद्धाः यद्य ଇ,ହେଷରୁମ, ଏକ ହେଉଚାୟର

କୃଷି ଯଖପାଟି ଏଟଂ ଚିକିତ୍ର କିଷ୍ମ ଚିହନ ର ଷଲ ଦୁଇଁ ଦେଖିଥିଲେ ଷ ଏଥିବାହ ରାଜ୍ୟ ସରକାର କୃଷି ଓ କୃଷ୍ଣକ କ ଜନ୍ମତି ଚିଉରେ ତତ୍ପର ଅଞ୍ଜରି କ୍ୟୋଲି ଜିଳ ଅଭିଭାଷଣ କେ କହିଳ୍ପ ଷ ଅତ୍ୟଧିନିକ ଯନ୍ତପାରି ଏବଂ ଉନ୍ନତ ମାନର ଦିହନ ଅଧିକ ଲାଜବାନ ହୋଇ ପାରିବେ ଧୋଣ ବୋଲି ଏଟିକ ଷ୍ଟାଯୁକ୍ତ ପାଡ଼ୀ କୃଷକ ମାନଙ୍କୁ ଜହିତା ସହ ଜଳିଙ୍ଗ ରାଜ ମଳା ବିହନ ନିର୍ଦ୍ଧିତ ଏକ ହେଉତ୍ୱାଫ୍ସ ମନ୍ଦ୍ରେମରୀ ଡ଼ନ୍କର ଡ଼ୀ ସୋଗଦେଇ ଗିଥିଲେ । ପରେ । କେନ୍ଦ୍ର ପଷରୁ ଭିନ୍ନ ଅତ୍ୟଥୁନିକ କଳଙ୍କ ତାକ ମହା ବହଳ ନୟତ ବ୍ୟବହାର କରରୁ କୋରି କହିଥିଲେ । ସେହିଉଦିସମାନିତ ଅତିଥି ଭାବେ ଅଧୁବ୍ୟତି ଭ ଭାବୟ ବାନସେଲର ପ୍ରଫେଷର ପୁରାତ କୁମାର ରାହୁଜ, ନକରଙ୍କପୁର

ଜ୍ୟାପାଳ ଜ୍ୟୁର ଜମଳ ଲୋଚନ ମିଶ୍ର,ନବରଙ୍ଗପୁର ଡ଼ିଲା ପରିଷଦ ମୁଖ୍ୟ ନିର୍ଦାହୀ 00, BIO IPC ଅଫ ଭିସର ସଂଗ୍ରାମ କେଖରୀ ଜ୍ୱର ସଂଗ୍ରାମ କେଖରୀ ପଟ ବଞ୍ଚ ବଞ୍ଚୁ ବଞ୍ଚ ଅଟେବର ବ୍ୱାଇଁ, ତିନ ଏବଟନସନ ଏକ୍ଟେଶକନ ଷ୍ଟୁଏଟି ପ୍ରସନ କଟରିଶ ପ୍ରସନ ସେଗଦେନ ନତରଙ୍କପୁର ଚିର୍ଣ୍ଣ ରେ ଜୁଣି ର ଗମ୍ମତି ଏହା ନେବରଙ୍କୁର ଚିର୍ଣ୍ଣ କୁ ରାଜ୍ୟରେ ୧ ନୟର କୃଷି କୁ ରାଜ୍ୟଖେ ୧ ଲଲ୍ଲ ଜିଲ୍ଲ ରାବେ ପରିଗଣିତ କରିବାକୁ ନବରଙ୍ଗପୁର ବିଲୁ ମଳା ଉତ୍ସାଦନ ପାଇଁ ସମନ୍ତ୍ର ଏହିଆ ମଲାବେଷ ରେ ଦ୍ୱିତୀୟ ସ୍ଥାନ ଗ୍ରହଣ କରିଥିବା ବେଳେ, କଳିଙ୍ଗ ରାଜ ମଳା

ଅଧିକ ଅମଳ ହେଏ ଅତିଥି ମାନେ କୃଷ୍ଣ ମାରଣରେ ଜନିଙ୍ଗ ( ଜେମୋ ଦେଖିଥିଲ ଏମୁର୍ଣ ଜାର୍ଯ୍ୟକ୍ରମ କୁ ଓ ଓ ଆଇ ସି ଆର. ଟି.ଉମରକୋଟ ଡ଼କ୍କ ବିନିସର ସାଇବିଶ ଓ ନ ଗୋଦିନ ହନ୍ଦ୍ର ବାହ୍ନ । ଶେତ୍ର ବିଶାନୀ ହଳ୍କର ପର୍ମ ପ୍ରମୁଖ ପରିଚାଳନା କରି

## କିଷାନ ସମ୍ମାନ ନିଧି ଯୋକନା ତମ କିସ୍ତି ବିତରଣ ସମାରେ



ି ଠାରେ ପାରୋଜ୍ୟ ବିନ୍ଧୁ ସେଇନାର ବୟ ସେ ଜିୟାର ସେଣନ ନିଧି ସେଇନାର ବୟ ନ୍ୱେବନ କରିଥିଲେ । ଏହି ଯୋଜନାରେ । ୮ କୋଟି କୁସକକ୍ଲ ୬ .୬୧ ଲଖ କୋଟି ବଳ କ୍ଷକନାରନ ବାସିକ ୬,୦୧୦ ଡୁଙ୍ଗା ଲଥାନ୍ତି । ଆଯୋଡିତ ଏହି କାର୍ଯ୍ୟକ୍ରମରେ

ଧୁଧାନମିଖୀ ଜୀବଧ୍ୟ 'ବ୍ୟୀମ୍ୟ କୃଷ୍ଣାନ୍ତ ଯାଧାରଣଣ ହିଆ ଗବଥା ଏହି ଦଳୀ ପଠ କରାଯାଇଥିବା ପୁରଶ୍ୱ କରି ହେଉ । ପଠ କୁଧାନମାଖା ବାମ୍ବ । ମଧ୍ୟ 'ବ୍ୟ ଜଣ ବାଶ୍ୟ ଅନ୍ତର୍ଜ୍ୱ ବାଶ ଅନ୍ତର୍ଜ୍ୱ କରା ବାର୍ଥିଲେ । ବାର୍ଥିଲ ଜଣ୍ଡ ବାଶ ଆନ୍ତର୍ଜ୍ୱ କରା ବାର୍ଥିଲି ବାରତ ବାର୍ଥଲିକ୍ରମର ଶୁଖାରଣ କରିଥିଲେ । ଏହି ବାର ସରକ୍ରମ ବର୍ଷ ବାର ବେହେ ପରକ୍ରମ । ଏହା ବର୍ଷ ଜଣକ କରନ୍ତ ଅଞ୍ଚଳ ବାହାର ୧୮୮ ପଞ୍ଜଣାରେ ୧୮୮୦ କରା ଅନ୍ତର୍ଜ୍ୟ ଓଡ଼ିକ ବର୍ଷ ବାରଳ ବାର୍ଥଳ ଅନ୍ତର୍ଜ୍ୟ ଓଡ଼ିକ ଅନ୍ତର୍ଜ୍ୟ ବାରଳ ବାର୍ଥିଲିଆ ଦିଆରେ । କୃଷକ ମାନଙ୍କ ଉନ୍ନତି ଆଣିବା ନିମରେ



ମଇକୋଟ,ତା୨୮୮।୭(ପିଏନଏସ) ମରକୋଟ୍-ଡାମ ।୭(ପସନ୍ନୟକ) ଉକୋଟ କୃଷି ବିଜ୍ଞାନକେଶ୍ର ରୁ ପ୍ରଧାନମନ୍ତୀ ନରେନ୍ତ ମୋଦିକ ।ନମନ୍ତୀ କିଷାନ ସମ୍ମାନ ନହ ୍ୟମାର୍ଥୀ କସ୍ତାନ ଦ୍ୱାବାନ କଥା ଜନାର ୧୪ ତମ କିଥି କାରି ମା କାର୍ଯ୍ୟକ୍ରମର ବିଧାସବିଦ୍ୱାର ପାଇଛି । କୃଷି କିଥାର ନେହ ଉପରେ ଥିଲା ବର୍ଣ୍ଣକଳା କଥାରେ ଅବନ୍ଧ ସହ ବାୟ୍ୟକ୍ରମରେ ଏକ ମୁଖ୍ୟ ବୈଥାନିକ ଜଣ ଜ କୈଥା ଅଧ୍ୟବଠାରେ ଜାବେଳେ ଦୈଥାନିକ ଜ୍ୟ ତାର ମୁମ୍ପ ଳ କେଲା ଅଧ୍ୟବତାରେ ଥିତାବେଳେ ଦେଞ୍ଚାନିକ ତଃ ତୋଷ ପୂର୍ମି , କୃଷି ଯହା ଜୀ ତତେ୍ୟାଟି ମାଝି, ଦାଶାପାଣି ଆ, ପ୍ଲାଣ ହେଇଥି କ୍ରିନିକାଇ ଧ୍ୟାଣ୍ଟ ଶ୍ୱାକ୍ଷ୍ମା ମାଝି , ଦିଧାୟକ ନିଥି କାଳମ ମଦାନୀ ପ୍ରମୁଖ ଗ ଦେଇଥିଲେ ।

ପୁଧାନପରୀଙ୍କ ହାର ଦିବ କାର୍ଯ୍ୟକ୍ରମରେ ବେଶର ୮ ୫ କ କୁଷକକ୍ର ପୁଧାନପରୀ କିଷାନ ଯୋକ୍ତାର ୧୫ ତମ କଥି ଆକ କରିଥିଲେ । ଏହି କ୍ରମରେ ପ୍ରଧାନ କ୍ରଷକ ମାନକ୍ର ପାଖାପାର ବେଶର କୋଟି ଟଳା ପ୍ରଦାର କରି କରାଯୁଗ୍ରିଲା । ଏହି କୁମ୍ବରି ପ୍ରଯାନ କୁଷକ ମାନଙ୍କୁ ପାଖାପାଖି ବଳାର କୋଟି ଟଙ୍କା ପ୍ରଦାନ କରି ଏନେଇ କେନ୍ଦ୍ର ସ୍ୱାଷ୍ଟ୍ୟମନ୍ତୀ ମନ ବର୍ଷ ବର୍ଷ ବୃହିଷ୍ଟୀ ବେଇଥିବା ମାଣ୍ଡଗାଣ ବୃହନୀ ବେଇଥିବା ପ୍ରଧାନମଣ ଜିଷାନ ସମ୍ମାନ ପ୍ରତି ଚାରିମାସରେ ଚାଷାଙ୍କୁ ୨୧ ବଙ୍କା କିଣ୍ଡି ପ୍ରଦାନ କରୁଛନ୍ତି । ତଙ୍କା କୃଷ୍ଟ ପ୍ରଦାନ କରୁଛନ୍ତି । ତଙ୍କା କୃଷ୍ଟ ପ୍ରଦାନ ସମ୍ପାନ୍ତି । ଅବସ୍ଥରରେ କୃଷ୍ଣଳ ଓ ବୈଷ୍ଟାନି ନେଇ ଏକ ଆଲୋଚନାଚକ୍ର ଅନ୍ ହୋଇଥିଲା ।



#### Rayagada KVK

#### ପୋଷକ ଶସ୍ୟ ବର୍ଷ ଆଲୋଚନାଚକ୍

ଗୁଣପୁର, ୧୭/୯(ଉମିସ): ରାୟଗଡ଼ା ଜିଲ୍ଲା ଗୁଣପୁର ସିତ କୃଷି ବିଜ୍ଞାନ ଜେନ୍ଦ୍ର ପରିସରରେ ଆସନାତିକ ପୋଷକ ଶସ୍ୟ ବର୍ଷ , ପୋଷଣ ବାତିକା ଓ ବୃସରୋପଣ ମହାଲିଯାନ ଳାର୍ଯ୍ୟକ୍ରମ ଅନୁଷ୍ଠିତ ହୋଇ ଯାଇଛି। ଜିଲ୍ଲା କୃଷି ଅଧିକାରୀ ବିଷ୍କୁ ପ୍ରସାଦ ସାହୁ, ଇଫ୍କୋର ଅଧିକାରୀ ସୌଲାଗ୍ୟ

ଅଗୁଣୀ ତାଷୀ ଯୋଗ ଦେଇଥିଲେ । କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ବୌଷାନିକ ବିନୋଦ ତନ୍ଦ୍ର ବେହେରା ସ୍ୱାଗତ ଭାଷଣ ପ୍ରଦାନ କରିଥିବା ବେଳେ ବରିଷ୍ଟ ବୈଷାନିକ ରାଳୀବ ଟୁକୁ ଜାର୍ଯ୍ୟକ୍ରମ ଆୟୋଜନର ଲକ୍ଷ୍ୟ ଏବଂ ଉଦ୍ଦେଶ୍ୟ ଜ୍ଞାପନ କରିଥିଲେ। ଏଥିସହ ଆଧୁନିକ ଜ୍ଞାନକୌଶକ ଦ୍ୱାରା



ପଧାନ, ବିବ୍ୟରଖନ ଓଡା, ଜିଆଇଇଟି ବିଶ୍ୱବିଦ୍ୟାଳୟର ଅଧ୍ୟାପକଡ. ରିନି ସ୍ୱାଇଁ ଏବଂ ଅଭିନଦ ମିଶ୍ର କାର୍ଯ୍ୟକ୍ରମରେ ସୋଗ ବେଇଥିଲେ । ପୋଷକ ଶମ୍ୟର ତାହିଦା । ଓ ଏହାର ଉତ୍ପାଦନ ଉପରେ ଅତିଥିମାନେ ଗୁଗୁଡ଼ାରୋପ କରିଥିଲେ। ଏହି କାର୍ଯ୍ୟକ୍ରମୟରେ ଜିଆଇଇଟି ଦିଶୁଦିଦ୍ୟାଳୟର ୭୧ ଜଣ ଛାତ୍ରୀଙ୍ଗ ସମେତ ଜିଲ୍ଲାର ବିଭିନ୍ନ ଗ୍ରାମରୁ ଶତାଧିକ

ବୈଷାନିକ ତାଷ ପ୍ରଣାଳୀ ଉପରେ ବିଶେଷ କରି

ଆଲୋଚନା କରାଯାଇଥିଲା ଏହି ଅବସରରେ ଯୋଗ ଦେଇଥିବା ଛାତ୍ରୀ 400 ବିଭିନ୍ନ ଠାଷୀମାନଙ୍କୁ କିସମର ତାରା ଓ କିହନ ONO ଇରାମିତା cro ଖର୍ଯ୍ୟାଳୟ ପରିମରରେ ବୃଷ ରୋପଣ ଜରାଯାଇଥିଲା ମରକାରକା

ପ୍ରାୟୋନିତ କାର୍ଯ୍ୟକ୍ରମର ମିଧା ପ୍ରମାରଣ ଉପଣ୍ଡିତ ଥିବା ତାଷୀ ଓ ଛାତ୍ରାମାନଙ୍କୁ ପ୍ରଦର୍ଶିତ ଜରାଯାଇଥିଲା। ସମସ୍ତ କାର୍ଯ୍ୟକ୍ରମକ୍କ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ପରିମଳ ତରାଇ, ସୁଣ୍ଡୀ ସୁମିତ୍ରା ମହାଦ୍ରି, ହିମାତ୍ରୀ ବାଶ ପ୍ରମୁଖ ପରିଚାଳନା କରିଥିବା ବେଳେ ସୁର୍ଣ୍ଣ ସାରିକା ବେହେରା ଧନ୍ୟବାଦ ଅର୍ପଣ କରିଥିଲେ ।

#### ନଡ଼ିଆ ଚାଷ ସମ୍ବନ୍ଧୀୟ ତାଲମ ଶବର

වෙදුම් වෙන්වෙන්ම නියාපාත්ව මෙදුම

ତ୍ୱାସି ଓ ହେଉଁ ଅଟି । ପ୍ରତ୍ୱା କରବ ଓଡ଼ି । ପ୍ରତ୍ୱା କଟି । ପ୍ରତ୍ୟା କଟି । ପ୍ରତ୍ୟ କଟି । ପ୍ରତ୍ୟା କଟି । ପ୍ରତ୍ୟା କଟି । ପ୍ରତ୍ୟ କଟି । ପ୍ରତ୍ୟ କଟି । ବ୍ୟୁ କଟି । ବ୍ୟକ୍ତି । ପ୍ରତ୍ୟ କଟି । ବ୍ୟକ୍ତି । ପ୍ରତ୍ୟ କଟି । ବ୍ୟକ୍ତି । ବ୍ୟକ୍ତି

ocqa è

## କ୍ଷି ବିଜ୍ଞାନ କେୟୁ ପକ୍ଷରୁ ମହିଳାମାନଙ୍କୁ କ୍ଷି ଯଊପାତି ବୟନ ଶ୍ରମଜୀବୀ ମହିଳାଙ୍କ ଶ୍ରମ ଲାଘବ ଏହାର ମୁଖ୍ୟ ଉଦ୍ଦେଶ୍ୟ

ත්වයේ විසිද ඉති සඳහා ප්රතිශ්ණ දෙන ක්රමා

ଅନ୍ତ ରଥ ପରତକ୍ଷ୍ମ ହେଉ । ଜଣକୁ ନିର୍ବି ପତ୍ର ଅନୁକରଣ କରିବାରୁ ସହିତ୍ୟ । ଅଗଟିବ ପତ୍ର ହେଉା ଅନ୍ତ ବିହନ୍ତ, ସାହ, ଅଟନାକ୍ଷ୍ମ ଅଟନ୍ତିର ବାସହାର ଓ ଅଟନ୍ତି ବିହିତ୍ ଅଟନ୍ତିର ବାବହାର କରି ଅବଳାଗର କୁମକୁ କମ୍ ଅନ୍ତର୍ଜ ବିପ୍ରତି ସଂସକ୍ଷ୍ମ ଅନ୍ତର୍ଜ ବିଧିବା । ସହି ଜଣଣ ହୁଡ଼ି ଅନ୍ତର୍ଜନ ଜଣେ ଅବଳସ୍ଥ ଅଧିକ ଉଦ୍ଭାବନ

୭୦-୮୦ ପର ବିଶା ପ୍ରତ୍ୟକ୍ତ ଓଡ଼ିଆ ଓ ଶିଷ୍ଟା ପ୍ରେଲ୍ଡ । ମହିତ ମହନ୍ତ ବହିତ ଓ ଶିଷ୍ଟା ଜିଞ୍ଚିତ୍ର ଆହିତ୍ୟର ବାହିଁ ବହୁବା ଜଣିଆହି । ମହିତ୍ୟର ବହିତ୍ର ଓଡ଼ିଆ ବ୍ୟକ୍ତିତ ଅହୁକ ଲମ ବହିତ୍ୟର ବିହିତ୍ фана виднея сто сеналь ное

Calco como Calco du Calco ବଳ୍ପରେ ଜଣ୍ଡିତ ହିଲେ । ଅଧନ୍ତିକୃତର ଅନ୍ତ ତାଳା କ୍ରୀନ୍ତ ଜଣ୍ଡେ ଦିନାକୁ ବଳ ବାର୍ଣ୍ଣାଚନ ଅଲୋକତ କରିଥିଲେ । ଏଥିଲେ ଜାଲୋ ଅନ୍ତର୍ଶ୍ୱର ଜଣା ଓ ଅନ୍ତର୍ଦ୍ୱର ଜଣ୍ଡିତ ଜ

କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଗୁଣପୁର ପରିସରରେ ଜିଲ୍ଲା ୟରୀୟ କୃଷକ ମେଳା ଅନୁଷିତ

ଆୟସବାର ମିତିର ୪୦ ଏକ ହିଲ୍ଲ ସମୟ ମଳା ଓ ପ୍ରଦର୍ଶନୀ , କୃତି



## ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ଗରିବ କଲ୍ୟାଣ ସଜିଳନୀ

ମପୁର.୧/୬(ଭମିସ): ଗୁମପୁର ହିତ କୃଷି ଦିଞ୍ଚନ ନଦ୍ୱରେ ପର୍ବତ ଜଲାଧା ସମିକମୀ ଅନୁଷ୍ଠିତ ହ ଦିଧାମଳଖ ଆଲୋକନା କରିଥିଲେ । ରେ ବିଜେପି ଆଦିବାମୀ ମୋର୍ଜା

୍ଥ ରଣ ବ୍ୟାସକ କାଳୀରାମ ମାର୍ଯ୍ୟ ସୋଗବେଲ କେନ୍ଦ୍ର ନାରଙ୍କ ସୋଜନା ଗରିବ ଗ୍ରେଣୀଙ୍କୁ ଉପାକ୍ତ କରୁଥିବା ବ୍ୟବ୍ୟ ପର୍ଯ୍ୟନ ବିହାର ଅନୁଷ୍ଠ ଅନୁଷ୍ଠ ବିଧାରର ପ୍ରତିଲୋ ନିକ୍ଲାପ୍ତରୀୟ କୃଷି ଓ ଅନୁଷ୍ଠଶିକ ବିଧାରର ଧନାରୀ ସେଶ ଦେଇଥିଲେ ଗୁନସ୍ତର କୃଷି ନିର୍ଯ୍ମ ଧନାରୀ ଦିଷ୍ଟୁ ଦରଣ ସାହୁ ସୋଗସରକ କୃଷି ଦିରାସ ସଂସ୍କ୍ର ଜାଣ୍ଟଳାରୀ ହେଉଥିବା ବିଭିନ୍ନ ଜାଣ୍ଡଳ୍ୟ

ଗୁମିନ୍ତା ମହାଛି, ହିମାହି ବାର, ଗୁଲୁର୍ଣ ସାରିକା ବେହେରା. ଗୀତାଶଳି ଦାଣ ଇମନ୍ଦାମ ମଧ୍ୟର ଜନ୍ମ ମୋଇଁ ଉପସରାପତି ନୀନାହି ବିହାରୀ ପାଡ୍, ରାମନ ଦ୍ୱଳ ମଣକ ସଭାପତି ଧତ୍ୱର୍ଯ୍ୟୟ ଦେଶେବା,

#### ଆଳି କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ରାୟଗଡା, ଗୁଣପୁର ପରିସରରେ ଗରିବ କଲ୍ୟାଣ ସମ୍ମିଳନୀ କାର୍ଯ୍ୟକ୍ରମ ଅନୁଷିତ

ଜଳିଙ୍ଗ ଜ୍ୟେତି(ବିରଞ୍ଜି ପ୍ରସାଦ අපයුතු : කළේ පුවලදම ନରେତ୍ର ମୋଦିକ ଆଠ ଚର୍ଚ୍ଚ ଶାସନ କାଳ ପୂଇଁ ଅବସରରେ ଆହିର ଏହି ଗରିତ ଜନ୍ୟଣ ବଜିନମ ଅନୁଷିତ ହୋଇପାଇଛି ରାଣଗତା ଜିଲା ଏହି କାଇଁଂକ୍ମରେ ଅବର୍ଭୁ ହୋଇଥିବାରୁ ଗବିତ I କାର୍ଯ୍ୟକ୍ରମରେ ମୁଖ୍ୟ ଅତିଥି ଭାବେ ଶ୍ୱାଯୁକ୍ତ ଶିବ ପଟନାଶକ ଜିଲ୍ଲା ସହାପତି (ଭାରତୀୟ କନତା ପାର୍ଟି) ସୋଗଦେଇ ଜେନ୍ଦ୍ର ଗରକାରଙ୍କ

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୧ ୧ ସଟିକାରେ ଜାତୀୟ କାର୍ଯାକ୍ରମ ସହିତ ସଂସ୍କଳ ହୋଇଥିବା ଓ ଏହି ସିମଲା ଠାରୁ ସିଧା ପ୍ରସାରଣ CARLINES DO DOMO ESTADO. ସମ୍ପର୍କରେ ଦୁଆଇଥିଲେ ଓ ଡ଼ାଷା ମାନଙ୍କ ସହ ସିଧାସନଖ ତାର୍ଭାଜାପ କରିଥିଲେ । ଜଲ୍ଲ କାର୍ଯ୍ୟକ୍ରମରେ ଶୀ ବାହିରାମ ମାଝୀ ଜାତୀୟ ସାଧାରଣ ସଂସାଦଳ (ଏସ୍ ଚି ମୋଳୀ) ସଜ୍ଞାନୀତ ଅତିଥି ଭାବେ ସେଗଦେଇ ଗରିବ ଗୋଳଙ୍କ ପାଇଁ କେହ୍ ସରକାରଙ୍କ ଯୋଜନା ସମ୍ପର୍କରେ କୃଥାଇଥିଲେ । ଉଲ୍ଲ କାର୍ଯାକ୍ରମରେ ହରେକୃଷ ପାଦି ,

କରିଥିଲେ । ଉଲ୍ଲ କାର୍ଯ୍ୟକୁମ ଦିବା ନିଜାଦ୍ରା ବିହାରୀ ପାତୁ , ଦବର ଯୋଗଦେଇ ଜେନ୍ଦ୍ର ଗରକାରଙ୍କ cabol dages olgalos. ସତେତନ କରାଇଥିଲେ । ରୁଣପୁର କ୍ଷିତିସ୍ୱ ଅଧିକାରୀ ଶ ବିଷ୍କୁ ଚରଣ ସହ ଯେଗଦେଇ କୃଷି ବିଜାଗ ଚରଫରୁ କାର୍ଯକାରୀ ହେଉଥିବା ଯୋଜନା ସମ୍ପର୍କରେ ଆଲୋଡ଼ନା କରିଥଲେ । ଏହି ଅବସରରେ ସଜ୍ଞନ ନାଧୁର ଏହାଦଶତନ ଜିଲ୍ଲି କରିଥିଲେ । କୃଷି ଦିଲାନ କେତ୍ରର ଦୈଷାନିକ ବିନୋଦ ବୃହ ଦେହେରା କୃଷି ବିଷାନ କେହ

ଚରଫର୍ ହେଉଥିବା କାର୍ଯ୍ୟକ୍ରମ । ଉଲ କାର୍ଯ୍ୟକ୍ରମରେ ପରିମକ ଚରାଇ , ଗୁନିନ୍ତା ମହାକି , ହିମାଦ୍ରା ବାଟ , ଗୁର୍କ ସାରିକା ଦେହେରା , අගුතු ලදා ඉහළ අයුතු ପ୍ରମୁଖ ସେଉଦେଇ କାର୍ଯାକ୍ରମକ୍ ପରିଚାଳନା କରିବାରେ ସହଯୋଗ କରିଥିଲେ । ତେବେ ରୁଣପୁର ଉପଖରେ ଶତଧାକ ମହିଳା ଓ ଉପସ୍ଥିତ ରହି କେନ୍ଦ୍ର ସରକାରକ ବିଭିନ୍ନ ଯୋଜନା ସମ୍ପର୍କରେ ଜାଶିବାକ୍ ପାଇଥିଲେ ଓ ଉପସ୍ଥିତ ନେତା ଓ କର୍ମଚାରୀ ମାନଙ୍

## ଜିଲାୟରୀୟକୃଷକ ମେଳା

විධ: ඉහදුරුදිර ඉදි විසුර (වල ପର୍ବରରେ ହିଳାଗ୍ରସର ବୃଷକ ମେଳା ଅନ୍ତର୍ଜ ହେଉବହା ଅନ୍ତର୍ଜ ବ δήο παιαν σοσακα διαν adoer gerieo enà com adeque edebates ignes ଉଦ୍ଗଳଣ ଗମନ୍ଦ ମୂଖ ଅତିଥି ଭାବନ ගෙනගෙනු පුතුරිත ඉති අනුලග BIGGIOPI GOIZGÉ! GOIPO ଅର୍ବିଷ୍ଟ ଲବେ ବୃହ ଅଧାର ବିଲି ଶବର, SCHIE BORS 600 CORCOS ଦୈତିକ କୃତ୍ତି ପକ୍ତିରେ ଜଣମ ତଥ ଜରିବାକୁ ଚାଷାଙ୍କ ପରାମଣ DR (NO IRRAIR I ROÇRES ନିର୍ଦ୍ଦେଶକ ପ୍ରମନ୍ଦିବ ସମନାଯଳ, ଏହି ହିଲ୍ଲ ପ୍ରସଦ ସହ, ସଣ୍ଡ ହିଲିସ DURANT O CHEST OF GREAT gove typici čase čiceci. ବୃତ୍ତିତ୍ୱ ବୃତ୍ତପ୍ରପାଦ ଦେବରା ଏଙ୍ entir pripa: coacce citio ବୃଷ୍ଟି ଜଣ ଅବୃତ୍ତ ବୃଷ୍ଟି ଜଣରେ



क्षात्रकार करूप का वर्ष कर 968 666 600 6866 GOOD COOR CONTROL ଜିଲର ବିଭିନ୍ନ ବୁହନ୍ତି ଖରେ ଉଚ୍ଚନ୍ତି ରହି କ୍ଷତ, କ୍ଷିତୀବୀ ମହିତା, 92'0000 (000 000000 (226 (000)(6) 686/000 geog es anoto ge coù ବୃଷ୍ଟି ଦୈଷ୍ଟାନିକକଠାରୁ ସମଧାନ ଉପେ ପ୍ରଦାନ ହରାଯାଉଥିବା । ହୁଛି \$9 000000 980 0m0 ପ୍ରଦର୍ଶନା ଷ୍ଟରଗୁଡିକୁ ହାଣା ବୃଦ୍ଧି (09)500 1000 900 002 98/5

ହିଲ୍ଲନ ବହାରେ ମଞ୍ଚଳ ପ୍ରୟ ବୃତ୍ତି ଉଚ୍ଚି ସହାଳର ବିଧାର୍ଗତର сдерее пилсе дойо ହେବ ବଞ୍ଚ ହିନ୍ତୁ । ଜନ୍ମ ଦେବ coeco occeso coceso grap grad cogisca χήσοργό πετ. ούπο σοφ. ହିମନ୍ତୀ ବାହ, ସୂର୍ମନ୍ତା ମହାଲ୍ଲି gédián o 00,900 grigget. pôgo:



ଗୁଣୁପୁର,୨୭/୦୪/୨୦୨୨.ରାୟଗତା ଜିଲ୍ଲା ଗୁଣୁପୁର କୃଷି ବିଶାନ କେନ୍ଦ୍ରରେ କୃଷି ଓ କୃଷକର ନାଶ ପାଇଁ କୃଷି ଦିଜ୍ଞାନ କେନ୍ଦ୍ର ରାୟଗଡ଼। ଓ ଆମ୍ବା ରାୟଗଡ଼। ର ମିଳିତ ସହଯୋଗରେ ଏକ ଜିଲ୍ଲା ପ୍ରତୀୟ କୃଷକ ନୋଳା ଓ ପ୍ରଦର୍ଶନୀ, ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ଆଳାଦି କା ଅମୃତ ନହୋଇଁବ ଅନୁର୍ଗତ ଏହି ମେଳାରେ ' କିଷାନ ଭାଗିଦାରୀ -ପ୍ରାଥମିକତା ହମାରି ' ଉପରେ ଗରତାରୋପ କରିଥଲେ । ଆଜିର କାର୍ଯ୍ୟକମ ରେ ମଖ୍ୟ ଅତିଥ ଭାବେ ଉତ୍ସନାଥ ଗମଙ୍କ ମନ୍ୟିବର ବିଧାୟକ ପୁଣପୁରଯୋଗଦେଇ ପ୍ରାକୃତିକ କୃଷି ସମ୍ବନ୍ଧରେ ଆଲୋଚନା କରିବା ସହ ଚାଷୀ ମାନେ କିପରି ବିଭିନ୍ନ ବିରାଗ ସହ ସମନ୍ତ୍ରୟ ରକ୍ଷାକରି ବିଭିନ୍ନ ଯୋଜନାର ସ୍ମୁଫଳ ପାଇପାରିବେ ସେ ବିଷୟରେ ଆଲୋଚନା କରିଥିଲେ । ସମ୍ମାନୀତ ଅତିଥରାବେ ଗୁଣପୁର ପଞ୍ଚାୟତ ସମିତି ଅଧ୍ୟକ୍ଷା ଝିଲି ଶବର ଓ ଉପାଦକ୍ଷ ପୁଦର୍ଶନ ଶବର ଯୋଗଦେଇ ଚା ପଣାଳୀ ଓ ନୈବିକ କଞ୍ଚି ସମ୍ପର୍କରେ ବହାଇଥିଲେ । ସମନ ସିଂହ ପଟ୍ଟନାୟକ (ଉପ ପଳକ ନିର୍ଦ୍ଦେଶକ, ଆତ୍ସା, ରାୟଗତା) ତଃ ରାମରାଓ ପାଇ (ଉପଖଣ୍ଡ ପ୍ରାଣି ଚିକିତ୍ସା ଅଧିକାରୀ), ବିଷ୍କୁ ପ୍ରସାଦ ସାହୁ(ଏ.ଡି.ଓ, ଗୁଣପୁର), କୃଷ୍ଣ ପ୍ରସାଦ ତେବର୍ତା (ବିଶିଷ୍ଟ କୃଷିଟିତ)ଯୋଗଦେଇ ହୈ କୃଷି ତଥା ପ୍ରାକୃତିକ କୃଷି ଉପରେ ଆଲୋକସାତ କରିବା ସହ କ୍ଷୁଦ୍ର ଶସ୍ୟ ଜାତୀୟ ଫସଲ୍ ମାଣ୍ଡିଆ ତାର୍ଷ ଉପରେ ସୁରୁଦ୍ୱା ଯୋପ କସିଥିଲେ । ଏହିମେନାରେ ପାୟଗତା ଜିଲ୍ଲାର ବିଲିଚ୍ଚ ଗ୍ରାମର ୩୦୦ ର ଉଦ୍ଧ କ୍ଷକ କ୍ଷିକୀବୀ ମହିଳା, ପୃୟଂ ସହାୟକ ଗୋଷ୍ଠୀର ସହସ୍ୟ ମାନେ ପୋଗି ଦେଇଥିଲେ । ଏହି ଅବସରରେ କୃଷି ଦିଜ୍ଞାନ ଜେନ୍ଦ୍ର ଗୁଣପୁର ପରିସରରେ ଏକ କୃଷି ବର୍ତ୍ତନୀ ଷ୍ଟଲ କରାଯାଇଥିଲା । ତାଷୀ ମାନେ ଷ୍ଟଲ ତୁଲି ଦେଖୁଥିଲେ ।

### ଭାରତୀୟ କୃଷି ଅନୁସନ୍ଧାନ ପରିଷଦ ର ୯୪ ତମ ସ୍ଥାପନା ଦିବସ ଓ ପୁରସ୍କାର ବିତରଣ ସମାରୋହ ଅନୃଷିତ

ଗୁଣପୁର ୧୬/୦୭/୨୦୨୨ କଳିଙ୍ଗ କ୍ୟୋତି(ବିରଞ୍ଜି ପ୍ରସାଦ ଶତପଥୀ) : ଆଳି ଗୁଣପୁର କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଠାରେ ରାମନାଗୁଡା , ଗୁଡ଼ାରୀ , ପଦୁପୁର ଓ ଗୁଣପୁରର ଶତାଧିକ ଚାଷୀଙ୍କୁ ନେଇ ଭାରତୀୟ କୃଷି ଅନୁସନ୍ଧାନ ପରିଷଦର ୯୪ ତମ ସ୍ଥାପନା ଦିବସ ପାଳିତ ହୋଇଯାଇଛି । କୃଷକ ମାନେ ଦେଶର ମେରୁଦଷ କହିଲେ ଅତ୍ୟୁକ୍ତି ହେବ ନାହିଁ । ତେଶ ଚାଷି ବା କଷକର ଆୟ ଦ୍ୱିରଣିତ କରିବାର ପ୍ରୟାସ ଜାରି ରହିଛି । ଆଜିର ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ଡ଼ାଷୀ ମାନେ ଅନଲାଇନ ମାଧ୍ୟମରେ କେନ୍ଦ୍ର କୃଷିମନ୍ତୀଙ୍କ ସହ ସିଧାସଳଖ କୃଷି ସୟନ୍ଧରେ ଆଲୋଚନା କରିଥିଲେ ଓ କୃଷି କ୍ଷେତ୍ରରେ ସଫଳତା ହାସଲ କରିଥିବା ଚାଷୀ ମାନଙ୍କୁ କୃଷି ମଝୀ ପ୍ରୟାର ପ୍ରଦାନ କରୂଥିବା ଅନଲାଇନ ମାଧ୍ୟମରେ ଦେଖିଥିଲେ । ବିଶେଷ କରି ଜୈବିକ କୃଷି ଓ ସମନ୍ୱିତ କୃଷି ଉପରେ ଗୁରୁହ୍ୱପୂର୍ଷ ଆଲୋଚନା ହୋଇଥିଲା । କିପରି ସମନ୍ତି କର୍ଷି

ଦାରା ଚାଷି ନିଳର ଆୟ ଦିଗୁଣିତ କରିପାରିବ ସେ ସମ୍ପର୍କରେ ବୈଜ୍ଞାନିକ ମାନେ ଚାଷିମାନଙ୍କ ମାର୍ଗଦର୍ଶନ କରିଥିଲେ । ଭିନ୍ନ ଭିନ୍ନ ବ୍ଲକର ଚାଷୀ ମାନେ ଚାଷ ଷେତ୍ରେ ନିଜର ସଫଳତା , ଅନୁଭୃତି ଓ ସମସ୍ୟା ଯାହା ବାଷ କ୍ଷେତରେ ସେମାନେ ସାମନା କରୁଛବି ତାହା ପରସର ମଧ୍ୟରେ ଆଲୋଚ୍ନା କରିଥିଲେ । ଉକ୍ତ କାର୍ଯ୍ୟକ୍ରମରେ କଷି ବିଜ୍ଞାନ କେହର ବରିଷ ବୈଜ୍ଞାନିକ ତଥା ମୂଖ୍ୟ ରାଜିବ ଟ୍ଡ୍ ଚାଷର ବିଭିନ୍ନ କାୈଶଳ ଶିକ୍ଷା ଦେଇଥିଲେ ଏବଂ ପରିମଳ ଡରାଇ , ହିମାଦ୍ରି ବାଗ , ସ୍ୱର୍ଷ ସାରିକା ବେହେର। ପୁମୁଖ ସହଯୋଗ କରିଥିଲେ । ଚ୍ୟାଷୀ ମାନେ ଆଗାମୀ ଦିନରେ ଏପରି କାର୍ଯ୍ୟକ୍ରମ କରି କୃଷି ସମ୍କନ୍ଧୀୟ ଆଲୋଚନା କରିବାକୁ ଅନୁରୋଧ କରିବା ସହ କୃଷି ସମ୍ଭଦ୍ଧୀୟ ବିଭିନ୍ନ କୌଶଳ ଶିକ୍ଷା ଲାଭ କରିଥିବାରୁ ମଞ୍ଚାସିନ ଅଧିକାରୀ ମାନଙ୍କୁ ଧନ୍ୟବାଦ୍ ଅପ୍ରଣ ଜରିଥଲେ ।



ରିପୋର୍ଟ : ବିରଞ୍ଜି ପ୍ରସାଦ ଶତପଥୀ । ଗୁଣପୁର, (୯/୧) : ରାୟଗଡ଼ା ଜିଲ୍ଲା ବିଭିନ୍ନ ପନିପରିବା, ତାଲି ଜାତୀୟ ଓ ତୈଳବୀଜ ଫସଲ

ଉତ୍ସାଦନରେ ଅଗ୍ରଣୀ ଭୂମିକା ଗ୍ରହଣ କରିଛି ।





କପା ଓ ଧାନ ଫସଲକୁ ଛାଡି ଜିଲ୍ଲାର ବିଭିନ୍ନ ଅଞ୍ଚଳରେ ଚାଲି ଜାତୀୟ ଓ ତୈନଦୀନ ଫସଲ ବହୁଳ ଭାବରେ ଚାଷ କରାଯାଇଥାଏ । ବିଶେଷ କରି ଉଦି ଉଦ୍ଧୁ ଚାଲି ଜାତୀୟ ଫସଲ ଉପାଦନ ପାଇଁ ଉପସ୍ଥୁକୁ ସମୟ । ସେହି ଉପଲକ୍ଷେ କୃଷି ବିଷାନ ଜେନ୍ଦ୍ର ଦଉଫରୁ ଚାଲି ଜାତୀୟ ଓ ତୈନଦୀନ ଫସଲରେ ସମନ୍ଧିତ ଉପାୟରେ ରୋଗ ପୋଳ ପରିଚାଳନା ନିମନ୍ତ୍ରେ ଏକ ତାଲିମ ଶିବିର ଆୟୋନନ କରାଯାଇଥିଲା । ଏହି ତାଲିମ ଶିବିରରେ ବିଶେଷ ଭାବରେ କୃଷି କର୍ମଚାରୀ ଯଥା, ଗ୍ରାମ ସେବଳ (ଭି ଏ ଚହୁ) , କୃଷି ଅଭିଦର୍ଶନ(ଏ ଓ), ଏ ଟି ଏମ୍ ମାନଙ୍କ ପାଇଁ ଉଦିଷ୍ଟ ଥିଲା ।

ଏହି ତାଲିମ ଶିବିରରେ ପଦୁପୁର, ଗୁଡ଼ାରୀ, ରାମନାଗୁତା ଓ ଗୁଣପୁର ବୁକର ପ୍ରୀୟ ୬୦ ଜଣ କୃଷି କର୍ମଚାରୀ ଯୋଗ ଦେଇଥିଲେ । ଏହି କର୍ମଚାରୀ ମାନଙ୍କ ଦିଉଦର୍ଶନ ଦ୍ୱାରା ଚାଷୀ ମାନେ ଜିପରି ଉପକୃତ ହୋଇପାରିକେ, ଏହି ତାଲିମ ଶିବିର ର ମୁଖ୍ୟ ଉଦେଶ୍ୟ ଥିଲା । ଏହି ତାଲିମ ଶିବିରରେ କୃଷି ଦିଞ୍ଚାନ ନେନ୍ଦ୍ରର ବରିଷ୍ଠ ଦୈଞ୍ଚାନିକ ରାଜିବ ବୁଦୁ ସ୍ୱାରତ ଭାଷଣ ଦେଇ ତାଲିଜାତୀୟ ଫସର ଓ ତୈଳ୍ପରୀର ଫସରର ଉପକାରିତା ଓ ସମନ୍ତିତ ଉପାୟରେ ଏହିଲି ରିପୋର୍ଟ : ବିରଞ୍ଜି ପ୍ରସାଦ ଶତପଥୀ

ଗୁଣପୁର, (୭/୧) : ଆଜି ଗୁଣପୁର ସ୍ଥିତ କୃଷି ଡିଲାନ କେନ୍ଦ୍ରରେ ରାୟଗଡ଼ା ଜିଲ୍ଲାର ବିଭିନ୍ନ ବୁକର ତାଷୀ ମାନଙ୍କୁ ନେଇ ଛତୁ ମଞ୍ଜି ଉତ୍ପାଦନ ତାଲିମ ଶିବିର ଅନୃଷ୍ଠିତ ହୋଇଯାଇଛି ।





ରାୟରତ୍। ଜିଲ୍ଲା ପରିପରିତା ଉତ୍ପାଦନରେ ଅନ୍ତମ ଥିଲେ ମଧ୍ୟ ଅପପୁଷ୍ଟି ଓ ବେଳାଯା ସମସ୍ୟ ଲ୍ରମୀଞ୍ଚଳର ପିଛା ଛାତୁନି । ଏହି ସମସ୍ୟର ସମଧାନ ପାଇଁ ବିଭିନ୍ନ ପୁଳାର ଉଦ୍ୟନ ଭିଞିଳ ଓ ଧମମୁଳକ କାର୍ଯ୍ୟକ୍ତମ ଜାରି ରହିଛି । ସେଥିମଧ୍ୟରୁ ଛତୁନାଷ ଅନ୍ତମ୍ପ ଉପଣି ବେଣ ଉପଯୋଗି ହୋଇଥିବାରୁ , ଛତୁ ମଞ୍ଜି ଉତ୍ପାଦନ ତାରିମ ଶିବିର ଆବଣ୍ୟକତା ରହିଛି । ବେଣୁ ଛତୁନାଷର ପ୍ରଦାର ପାଇଁ ବୃଷି ବିଞ୍ଚଳ କେତୁ ଦ୍ୱାରା ଅନେକ ପୁରିଷଣ ଓ ଷେତୁ ପୁଦର୍ଶନ କରାଯାଇଛି । ପୁଟେଳ ପଂଗର ଉତ୍ପାଦନ ପାଇଁ ଉଷମ ମାନର ବିହନର ପୁରୁତ୍ୱପୂର୍ଣ ବୁମିକା ରହିଛି । ଛତୁ ତାଷ ଷେତ୍ରରେ ମଧ୍ୟ ବିହନ ବା ସ୍ତନର ଭୂମିକା ରହିଛି । ଛତୁ ତାଷ ଷେତ୍ରରେ ମଧ୍ୟ ବିହନ ବା ସ୍ତନର ଭୂମିକା ଗୁରୁତ୍ୱପୂର୍ଣ୍ଣ । ଯତିଓ ବୃଷି ବିଞ୍ଚନ କେତୁ ଦ୍ୱାରା ତାଷୀ ମାନଙ୍କୁ ଉଷମ ମାନର ଛତୁ ମଞ୍ଚି ଯୋଗାଇ ଦିଆଯାଉଛି, ମଥାସି ଛତୁନଞ୍ଚିର ଆବଣ୍ୟକାରଣ ରହିଛି ।

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କଥାରେ ଅଛି " ମାଟିର ସୁରକ୍ଷା ଜୀବନ ରକ୍ଷା" । ପୂଥିବୀର ସମସ୍ତ ଜୀବଜଗତ ମାଟିକୁ ଆଧାର କରି ଜୀବିଜା ନିର୍ବାହ କରୁଥିବା ବେଳେ ଆଜି ସେହି ମାଟି ମା'ର ଅବସ୍ଥା ସଙ୍କଟାପନ୍ନ । ଯାହା ଫଳରେ ଜୀବଜଗତ ସୁରକ୍ଷା ଉପରେ ପ୍ରଶ୍ୱବାତୀ ସୃଷ୍ଟି ହୋଇଛି । ତେଣୁ ମାଟିର ସୁରକ୍ଷା ପାଇଁ ଅଜି ବିଶ୍ୱ ସୁରରେ ମୃଷିକା ଦିବସ ପାଳନ କରାଯାଉଛି । ଆଜିର ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ମୁଖ୍ୟ ଅତିଥିଭାବେ କୃଷି ଜିଲ୍ଲା ଅଧିକାରୀ, ଗୁଣପୁର ଶ୍ରୀ ବିଷ୍ଣୁ ପ୍ରସାଦ ସାହୁ ଯୋଗଦେଇ ଜମିର ଉର୍ବରତା ବୃଦ୍ଧି ନେଇ ଜୈବିକ ସାର ପ୍ରୟୋଗ ସହ ମୃଷ୍ଡିକା ପରିକ୍ଷା କରି ଆବଶ୍ୟକ ପରିମାଣର ସୁଷମ ସାର ଓ କିଟ ନାଶକ ପ୍ରୟୋଗ କରିବାକୁ ପରାମର୍ଣ ଦେଇଥିଲେ ।

ଗୁଣପୁର କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ବୈଜ୍ଞାନିକ ବିନୋଦ ଚନ୍ଦ୍ର ବେହେର। ମୂର୍ତ୍ତିକା ସୁରକ୍ଷା, ଏହାର ସୁପରିଚାଳନା ଓ ମୂର୍ତ୍ତିକା ଦିବସ ପାଳନର ତାତ୍ସର୍ଯ୍ୟ ସମ୍ପର୍କରେ ଆଲୋଚନା କରିଥିଲେ । ସହକାରୀ ଉଦ୍ୟାନ ଅଧିକାରୀ ସତ୍ୟକୃତ ସାହୁ ଯୋଗଦେଇ କୃଷି ଉତ୍ପାଦନ ବୃଦ୍ଧି ପାଇଁ ସର୍ତ୍ତିକାର ରହିର୍ଦ୍ଦର ଗରି ଓ ଆନ୍ଦର୍ଷଙ୍କିକ ସ୍ତର୍ଦ୍ଦେଶ ଏ

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ଗୁଣପୁର, (୨୪/୧୧) : କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଗୁଣପୁର ରେ ମହୁଚାଷ କରି ଚାଷୀ ଙ୍କୁ ଆତ୍ମନିର୍ଭରଶୀଳ ହେବାର ସୁଯୋଗ । ଆଦିମ କାଳରୁ ମହୁମାଛି ଜୀବ ଜଗତକୁ ସନ୍ତୁଳିତ କରି ରଖିବାରେ ମୂଖ୍ୟ ଭମିକା ନିର୍ବାହ କରିଆସିଛି ।





ଆଳି ମଣିଷ ଓ ଜୀବଜଗତର ଏହି ଉପକାରୀ ବନ୍ଧୁଟି ସଙ୍କଟରେ । ତେଣୁ ଆମର କର୍ତ୍ତବ୍ୟ ଏହି ନିରିହ ବନ୍ଧୁଟିର ପ୍ରଜାତିକୁ ବଞ୍ଚାଇ ରଖିବା । ରାୟଗଡ଼ା ଜିଲ୍ଲା ସମ୍ପୁର୍ଣ୍ଣ ଭାବେ ଜଙ୍ଗଲିଆ ଅଞ୍ଚଳ ହୋଇଥିବାରୁ ମହୁତାଷ କରି ଚାଷୀ ଆତ୍ମନିର୍ଭରଶୀଳ ହେବାର ସୁଯୋଗ ରହିଛି । ସରକାର ମଧ୍ୟ ମହୁ ଚାଷକୁ ଗୁରୁତ୍ୱ ଦେବା ଏକ ସ୍ୱାଗତଯୋଗ୍ୟ ପଦକ୍ଷପ । ଆତ୍ମା ସହାୟତାରେ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଗୁଣପୁର ର ତତ୍ତ୍ୱାବଧାନରେ ରାୟଗଡ଼ା ଜିଲ୍ଲାର ୧୫ ଜଣ ଚାଷୀଙ୍କୁ ମହୁ ଚାଷରେ ପାରଦର୍ଶିତା ଲାଭକରିବାର ସୁଯୋଗ ମିଳିଛି । ଚାଷୀ ମାନେ ମହୁ ଚାଷରେ ପଦ୍ଧତି, ରୋଗ ପୋକ, ମହୁ ଉତ୍ସାଦନ, ପରିବେଶ ପରିଚାଳନା, ମହୁବାକୁର ଯହ, ଦଳ ବିଭାଜନ ଏପରି ବିଭିନ୍ନ ବିଷୟରେ ଜ୍ଞାନ ଅର୍ଜନ କରିବା ସହ ମହୁ ଚାଷୀଙ୍କ କ୍ଷେତକୁ ଯାଇ ମହୁ ବଳ୍ପ ରୁ ମହୁ ବାହାର କରିବାର ପ୍ରଶିକ୍ଷଣ ନେଇଥିଲେ ।

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ଗୁଣପୁର, (୧୭/୯) : ଆଜି ରାୟଗଡ଼ା ଜିଲ୍ଲା ର ଗୁଣପୁର କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପରିସରରେ ପୋଷଣ ଅଭିଯାନ ଓ ବୃକ୍ଷ ରୋପଣ କାର୍ଯ୍ୟକ୍ରମ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଗୁଣପୁର ଓ IFFCO ରାୟଗଡ଼ା ର ମିଳିତ ସହଯୋଗରେ ଅନୁଷିତ ହୋଇଯାଇଛି ।





ଉକୁ କାର୍ଯ୍ୟକ୍ରମରେ IFFCO ର ଫିଲ୍ଡ ଅଫିସର ତାପସ ରଞ୍ଜନ ସାହୁ ଓ ଅନ୍ୟ କ୍ଷେତ୍ର କର୍ମଚାରୀ ମାନେ ପୋଗ ଦେଇଥିଲେ । ଜିଲ୍ଲା ପୁରୀୟ କୃଷି ଓ ଉଦ୍ୟାନ କୃଷି ବିଭାଗ ର ଅଧିକାରୀଙ୍କ ସନେତ ରାୟଗଡ଼ା ଜିଲ୍ଲା ର ବିଭିନ୍ନ ଗ୍ରାମରୁ ୧୦୦ ରୁ ଉର୍ଦ୍ଧ ଚାଷୀ ଯୋଗ ଦେଇଥିଲେ । ଗୁଣପୁର କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ବୈଜ୍ଞାନିକ ବିନୋଦ ଚନ୍ଦ୍ର ବେହେରୀ ସ୍ୱାଗତ ରାଷଣ ଦେବା ସହିତ ପୋଷଣ ଅଭିଯାନ ର ଆଭିମୁଖ୍ୟ ଓ ବୃକ୍ଷ ରୋପଣ ଉପରେ ଆଲୋକପାତ କରିଥିଲେ ।

IFFCO ର ଫିଲ୍ଡ ଅଫିସର ତାପସ ରଞ୍ଜନ ସାହୁ ପୋଷକ ତରୁ, ବୃକ୍ଷ ରୋପଣ, ବିଭିନ୍ନ ଫସଲରେ ଅଣୁସାର ର ଆକଶ୍ୟକତା, ନାନୋ ଫରିଲାଇଜର ର ବ୍ୟବହାର ଉପରେ ଗୁରୁଡ଼ାରୋପ କରିଥିଲେ । ଉପସ୍ଥିତ କୃଷି ଓ ଉଦ୍ୟାନ କୃଷି ଅଧିକାରୀ, କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ର ବୈଜ୍ଞାନିକ ବୃନ୍ଦ ଜୈବିକ ତାଷ ପବଡ଼ି, ପାକଶାଳା ବର୍ଗିତା, ସନୁଜିତ ଖାଦ୍ୟ, ମାଣ୍ଡିଆ ଓ ଅନ୍ୟାନ୍ୟ ମିଲେଟ ଜାତୀୟ ତାଷ୍ଟ୍ର, କୁପେ ଦୁରିକରଣ ଉପରେ ସବିଶେଷ ଆଲୋଚନା କରିଥିଲେ ।

ରିପୋର୍ଟ : ବିରଞ୍ଚି ପ୍ରସାଦ ଶତପଥୀ ରାୟଗଡ଼ା, (୨୨/୧୧) : ରାୟଗଡ଼ା ଜିଲ୍ଲା ଗୁଣପୁର ସ୍ଥିତ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଓ ପ୍ରକଳ୍ପ ନିର୍ଦ୍ଦେଶକ, ଆତ୍ମା ରାୟଗଡ଼ା ର ମିଳିତ ସହାୟତାରେ ବୈଜ୍ଞାନିକ ପଦ୍ଧତିରେ ମହୁଚାଷ ଉପରେ ୭ ଦିନିଆ ଆବାସିକ କୌଶଳ ବିକାଶ ତାଲିମ ଶିବିର ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି ।





ଭକ୍ତ କାର୍ଯ୍ୟକ୍ରମକୁ ରାମଚନ୍ଦ୍ର ଦାଶ ମୁଖ୍ୟ ଜିଲ୍ଲା କୃଷି ଅଧିକାରୀ ତଥା ପ୍ରକଳ୍ପ ନିର୍ଦ୍ଦେଶକ ଆତ୍ମା ରାୟଗଡ଼ା ଆନୁଷ୍ଠାନିକ ଭାବେ ଉଦଘାଟନ କରି ପ୍ରଶିକ୍ଷାର୍ଥୀ ମାନଙ୍କୁ ବୈଜ୍ଞାନିକ ପବ୍ଧତିରେ ମହୁତାଷ କରି ଆୟ ବଢ଼ାଇବା ସହ ନିଜ ଜୀବନ ଧାରଣ ମାନରେ ଉନ୍ନତି ଆଣିବା ପାଇଁ ପରାମର୍ଶ ଦେଇଥିଲେ । କେନ୍ଦ୍ରର ବରିଷ୍ଠ ବୈଜ୍ଞାନିକ ରାଜିବ ଟୁଡୁ ମହୁତାଷକୁ କିପରି ଏକ ଲାଭଦାୟକ ତାଷରେ ପରିଣତ କରିହେବ ଓ ବେଉଁ ପ୍ରଜାତିର ମହୁମାଛି ପାଳନ କଲେ ଅଧିକ ମହୁ ଅମଳ ହେବା ସହିତ ବିଶେଷ ଲାଭବାନ ହୋଇପାରିବେ ସେ ବିଷୟରେ ସୂଚନା ପ୍ରଦାନ କରିଥିଲେ ।





## ପ୍ରଧାନମନ୍ତ୍ରୀ କିଷାନ ସଜ୍ଜାନ ସଜ୍ଜିଳନୀ

ଗୁଣପୁର,୧୭/୧୦(ଇମିସ): ଗୁଣପୁର ସ୍ଥିତ କୃଷି ଦିଞ୍ଚାନ ଦ ପରିସରରେ ପଧାନମରୀ କିଷାନ ସମ୍ମାନ ସମ୍ମିକନୀ ଅନୁଷ୍ଠିତ ହୋଇ ଯାଇଛି । ଏଥିରେ ଗୁଣସୁର ବିଧାୟକ ଉଦ୍ଧନାଥ ଗମାଙ୍ଗ ମୁଖ୍ୟ ଅତିଥି ଭାବେ ଯୋଗ ଦେଇ କୃଷିର ଉନ୍ନତି ତଥା ନିକର ଆୟ ବୃଦ୍ଧି ନିମନ୍ତେ ଆଧୁନିକ



ତାଷ ପଣାଳୀ ଅବଳମନ କରିବାକ ଉପସିତ କାର୍ଷୀମାନଙ୍କ ପରାମର୍ଶ ଦେଇଥିଲେ । ଉତ୍କ କାର୍ଯ୍ୟକ୍ରମରେ ନିଲ୍ଲାର ବିଭିନ୍ନ ବୁକରୁ ଶତାଧିକ କାଷା, ନିଲ୍ଲାପ୍ତରୀୟ କୃଷି ଅଧିକାରୀଙ୍କ ସମେତ ଅନୁଷ୍ଠଙ୍ଗିକ କୃଷି ଦିଭାଗର ଅଧିକାରୀ ଯୋଗ

ଦେଇଥିଲେ କୃଷି ଦିଷାନ କେନ୍ଦ୍ରର ବୈଷାନିକମାନେ ସମ୍ମିଳନୀର ଉଦ୍ଦେଶ୍ୟ ସମ୍ପର୍କରେ ଆଲୋକପାଡ କରିଥିଲେ । ନୂଆଦିଲ୍ଲୀରେ ଅୟୋଳିତ ଏଭଳି ସମ୍ପିଲନୀରେ ଜିଲ୍ଲାଙ୍ଗ ହଳଣ ଅନୁଶୀ ଜାଷୀ ପୀତକୀମ ଶବର ଏବଂ ଜନ୍ମ ନିମାକୁ ଯୋଗ ଦେଇଥିଲେ। ପ୍ରଧାନମହୀ କରେନ୍ଦ୍ର ମୋତୀଙ୍କ ଅଭିକାଷଣର

କରେନ୍ଦ୍ର ମୋଠାଙ୍କ ଅଭିରାଖଣର ବିଧାପ୍ରସାରଣ ତାଷ୍ଠାଙ୍କୁ ପ୍ରୋଚେଣ୍ଡେ ମାଧ୍ୟମରେ ପ୍ରଦର୍ଶିତ କରାଯାଇଥିଲା ଉକ୍ର ସୱିଲନୀରେ ପ୍ରଧାନମତ୍ତ୍ୱୀ ମୋଦୀ ପିଏମ କିଷାନର ୧୨ତମ କିପ୍ତିର ତଙ୍କା ତାର୍ଥୀଙ୍କ କ୍ୟାଙ୍କ ଜମାଖାଡାରେ ୨ହଜାର ତଙ୍କା ଜମା କରିଥିଲେ । ପରେ ପ୍ରଧାନମନ୍ତ୍ରୀ କିଷାନ ସମ୍ପଦ୍ଧି

କେତ୍ରଣ ଓଡ଼ିଆନ୍ତ ପ୍ରଥମଙ୍କର ହୋଇ ବିହାନ୍ତ ଜେତ୍ରଣ ଓଡ଼ିଆନ୍ତ ବିହାନ୍ତ ଓଡ଼ିଆନ୍ତ କରିବା ଓଡ଼ିଆନ୍ତ ଜେତର ଓଡ଼ିଆ ବିହାନ୍ତ ଓଡ଼ିଆନ୍ତ ଅଧ୍ୟେତିକ ସହିଲା ବ୍ରଥମିତ୍ରରେ ଅଧ୍ୟେତିକ ରାଜୀତ ଦୃଷ୍ଟ, ବୌଷାଦିକ ସିବାନ୍ତ ଜଣ୍ମ ବୈହୟର, ପରିନାଳ ଜଣା,, ବୌଷାଦିକ ଅଟିଡ ଜୋଡି ମାଝୀ, ସହାଣିଡ ଓଡ଼ିଆନ୍ତ ଅଟିଡ ଜୋଡି ମାଝୀ, ସହାଣିଡ ଓଡ଼ିଆନ୍ତ ଅଟିଡ ଜୋଡି ମାଝୀ, ସହାଣିଡ ଓଡ଼ିଆନ୍ତ ଅଟିଡ ଜୋଡି ମାଝୀ, ସହାଣିଡ ଓଡ଼ିଆ ଓଡ଼ିଆ ସ୍ଥାନ୍ତିକା ବେବେର ପ୍ରମୁଖ ଉପସ୍ଥିତ ଥିଲେ ।

### କୃଷକ ମେଳା ଅନୁଷ୍ଠିତ

କୃଣପୁର,୧୬/୧୧(ଇନିସ): କୃଷି ଦିଷାଳ କେନ୍ଦ୍ର ରାୟରବା ଚନଫରୁ ଳନଗଣି ଅଭିଗଳ ଅକରିଚ କୃତକ ନମନା ପ୍ରାନୀୟ କୃଷି ବିଷାଳ କେନ୍ଦ୍ର ପରିସରର ଲଣିକ ହୋଇଥାଇଥି ଉଷ୍ଟ ନେଳାରେ ଗୁଣପୁର ଘଣ୍ଟେମ୍ବର ହୋଇଥାଇଥି ଉଷ୍ଟ ନେଳାରେ ଗୁଣପୁର ବିଧାୟକ ରଘୁନାଥ ଗମାଙ୍କ ମୂଖ୍ୟ ଅତିଥି ଭାବେ ଯୋଗ ଦେଇ ବର୍ଷା ଜଳ ସଂରକ୍ଷଣ ଓ ଏହାର ପରିଚାଳନା ସହିତ ଭୂତଳ ଜଳଦ୍ୱର ବୃଦ୍ଧି ଆଦି ବିଷୟରେ ଭାଷୀମାନଙ୍କୁ ଆବଶ୍ୟକ ସ୍ୱଚନା ଦେଇଥିଲେ। ସମ୍ମାନୀତ ଅତିଥି ଭାବେ ରାୟଗଡ଼ା ଜଳଛାୟା ପ୍ରଜଲ୍କ ନିର୍ଦ୍ଦେଶକ

କ. ତଥାଚିଧି ବାଗ ଯୋଗ ହେଇ ସରକାରୀ ଯୋଜନା ଅନ୍ତର୍ଗତ କୃଷି ପୋଖରୀ, ଜଳଛାୟା, ତେକ୍ତ୍ୟାମ୍ ଆଦି ପ୍ରଜଲ୍ବର ସଫନ ରୂପାୟନ ଦିଗରେ ତାର୍ଷୀମାନଙ୍ଗ ସହଯୋଗ ଜାମନା କରିଥିଲେ। କୃଷି ବିଜ୍ଞାନ ଜେନ୍ଦ୍ରର ବରିଷ୍ଟ ବୌକ୍ଷାନିକ ରାଜୀବ ବୃତ୍କୁ ସରକାରଙ୍କ ଜଳଶଞ୍ଜି ଅଭିଯାନ ଅଧୀନରେ ଚାଲିଅବା ବିଜିନ୍ନ କାର୍ଯ୍ୟକ୍ରମ ବିଷୟରେ ତାର୍ଥୀମାନଙ୍କୁ ସତେତନ କରାଇଥିଲେ। ଗୁଣପୁର ଅଞ୍ଚଳର ବିଶିଷ୍ଟ କୃଷିବିତ୍ କୃଷ୍ଣ ପ୍ରସାଦ ବେବର୍ତ୍ତା ଯୋଗ ତେଇ ଭବିଷ୍ୟତରେ ଜଳସଙ୍ଗଟର ସାତ୍ପାଦ୍ୟ ମୁଜାବିଲା ପାଇଁ ଜଳ ସଂରକ୍ଷଣର ଆବଶ୍ୟକତା ଉପରେ

ଆହାନ ଦେଇଥିଲେ । ପ୍ରାରମ୍ଭରେ କୃଷି ବିଷାନ ଜେନ୍ତର କୃଷି ସଂପ୍ରସାରଣ ବୈଷାନିକ ବିନୋବ ଚନ୍ଦ୍ର ବେହେରା ଅତ୍ୱିଥି ପରିଚୟ୍ଲ ପ୍ରଦାନ କରିବା ସହିତ ଜଳଶାଞ୍ଜି ବିଶ୍ୱାର ପ୍ରତି ବୁକରୁ ପ୍ରାୟ ୨୦୦ରୁ ଉର୍କ୍ସ ବାଷୀ ଯୋଗ ଦେଇଥିଲେ । ଏହି ଅବସରରେ କୃଷିଭିତ୍ତିକ ଓ ଅକୃଷ୍ଟଳିକ କୃଷି ଯାଜପାତି ପ୍ରଦର୍ଶିତ ହୋଇଥିଲା । ଏହି ନେଳାକୁ ସ୍ପର୍ଶ ସାରିକା ବେହେରା, ପରିମଳ ଡରାଇ, ସୁମିତ୍ରା ମହ ପ୍ରମୁଖ ପରିଚାଳନା କରିଥିଲେ ।

#### କ୍ଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପକ୍ଷରୁ ସ୍ପଳ୍ଥ ଭାରତ ଅଭିଯାନ



ରେଡ ଅଧିପାଦର ସହତ୍ତତତ ଅଧିପାଦ ବାର୍ଣ୍ଣକୁ । ଅନୁସ୍ଥିୟ ଜାନୀଯାଇଁ ଦିବାଶର ଅନୁସ୍ଥିୟ ତେ ବ ଗୋଗାଆ ବେମାପତିଆ । ବି ବର୍ଣ୍ଣକ୍ରମଣ ଅପୁଣାନେ ମସ୍ତ ଅନନ ବିଯାହିଣ । ବିଳ ବେଳ୍ପନ୍ତର । ପ୍ରତ୍ୟାକ ବିଯାହିଣ । ବିଳ ବେଳ୍ପନ୍ତର ଅଧ୍ୟକ୍ତ ବିଦ୍ୟୁ ବୌଧାନ ବିଜ୍ଞାନ ବଳ୍ପ ବେଳ୍ପନ ବିହାମ ପ୍ରତ୍ୟକ୍ତ । ଅଧ୍ୟକ୍ତ ବିହ୍ୟା ପ୍ରତ୍ୟକ୍ତ । ଅଧିକ ବଳ୍ପ ବ୍ୟବ୍ୟ । ବିଧାନ ବଳ୍ଦ । ପ୍ରତ୍ୟକ୍ତ । ଅଧିକ ଅଧିକ ବ୍ୟବ୍ୟ ବ୍ୟବ୍ୟ । ଅଧ୍ୟକ୍ତ । ବ୍ୟବ୍ୟ ଅଧ୍ୟକ୍ତ । ଅଧିକ ବ୍ୟବ୍ୟ । ଆଧାନତ ବୁ ବାହମ ଅଧ୍ୟକ୍ତ । ଅଧିକ ବ୍ୟବ୍ୟ । ଜଣ୍ଣକ୍ଷଳ ବିଜ୍ଞାନ ପର୍ଯ୍ୟ ଅଧ୍ୟକ୍ତ । ଅଧିକ ବ୍ୟବ୍ୟ ।

କ୍ରେମ୍ବ ଦିବର, ବିଦ୍ୟାର ପରିବାହ ଅଧି ସମିୟା ସର୍ଜାନ୍ତ ବହିତା ହେଉ ବାହେତ କରାଯାଥିଲା । ଦିବାରଣ ସଥ ପତ ବହି ଦର୍ଗନାନ ବାହେତ, ସନ୍ତ୍ରମୟ, ପୂର୍ଣ୍ଣ ଓ ପାଇଁ ବ୍ୟବର କରାହ, ପର୍ଯ୍ୟ ବହିତା ଗରୀର ଉତ୍ତିମାନ ବାହେତ ରୋଗପଥିଲା ଦିବାରଣର ପ୍ରଥନ ହିଲାକ ବାହାମ ବାହାଳ ପ୍ରଥି ବହିତା ବହିତା କଥାବା । ବାହାଳ ପ୍ରଥି ବହିତା ବହିତା ହିଲାକ ବାହାମ ବାହାଳ ପ୍ରଥି ବହିତା ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ପ୍ରଥମ ବହିତା । ପ୍ରଥମ ପର୍ଯ୍ୟ ବହିତା ବହିତା ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ପ୍ରଥମ ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା । ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା ବହିତା । ବହିତା

#### କୃଷକ ଓ କୃଷିଜିବୀ ମହିଳାଙ୍କ ପାଇଁ ତାଲିମ ଶିବିର



#### ଜିଲ୍ଲାସ୍ତରୀୟ ଗବେଷଣା-ସଂପ୍ରସାରଣ ସମନୃୟ ବୈଠକ



# ୯୫ ତମ ଭାରତୀୟ କୃଷି ଏବଂ ଅନୁସନ୍ଧାନ ପରିଷଦର ସ୍ଥାପନା ଦିବସ ପାଳନ

#### କ୍ଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ କୌଶଳ ବିକାଶ ତାଲିମ ଶିବିର

ଗୁଣପୁର, ୨୧/୧୧(ଇମିସ): ଗୁଣପୁର ସ୍ଥିତ ଜିଲ୍ଲା କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପକ୍ଷର ଏବଂ ରାୟଗଡ଼ା ଆଡ୍ରା ପ୍ରକଲ୍କ ନିର୍ଦ୍ଦେଶକଙ୍କ ସହାୟତାରେ ବୈଜ୍ଞାନିକ ପଦ୍ଧତିରେ ମହୁ ଚାଷ ସଂପର୍କିତ ସାତଦିନିଆ ଆବାସିକ କୌଶଳ ବିକାଶ ତାଲିମ ଶିବିର ଅନୁଷ୍ଠିତ ନ୍ନୋଇଯାଇଛି। ଉକ୍ତ ଶିବିରକୁ ମୁଖ୍ୟ ଜିଲ୍ଲା କୃଷି ଅଧିକାରୀ ତଥା ରାୟଗଡ଼। ଆଜ୍ଯା ପ୍ରକଳ୍କ ନିର୍ଦ୍ଦେଶକ ରାମତନ୍ଦ୍ର ଦାଶ ଉଦ୍ଘାଟନ କରି ପ୍ରଶିକ୍ଷାର୍ଥୀମାନଙ୍କୁ ବୈଜ୍ଞାନିକ ପଦ୍ଧତିରେ ମହୁ ତାଷ କରି ଆୟ ବଢ଼ାଇବା ସହ ନିଜ ଜୀବନ ଧାରଣ ମାନରେ ଉତ୍ନତି ଆଣିବା ପାଇଁ ପରାମର୍ଶ ଦେଇଥିଲେ । କେଦ୍ୱର ବରିଷ୍ଟ ବୈଜ୍ଞାନିକ ରାଜୀବ ଟୁଡୁ ମହୁ ଚାଷକୁ କିପରି ଏକ ଲାଇଦାୟକ ଚାଷରେ ପରିଶତ କରିନ୍ଦେବ ଓ କେଉଁ ପ୍ରଜାତିର ମହୁମାଛି ପାଳନ କଲେ ଅଧିକ ମହୁ ଉତ୍ପାଦନ ହେବ। ସହିତ ବିଶେଷ ଲାଭବାନ ହୋଇପାରିବେ ସେ ବିଷୟରେ ସୂତନା ପ୍ରଦାନ କରିଥିଲେ । ପ୍ରାରମ୍ଭରେ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ସମ୍ପ୍ରସାରଣ ବୈଜ୍ଞାନିକ ବିନୋଦ ବକ୍ର ବେନ୍ଦେରା ଅତିଥି ପରିଚୟ ପ୍ରଦାନ କରିବା ସନ୍ଧ ମନ୍ଦୁଚାଷର ଆବଶ୍ୟକତା, ପଂସଲ ଉତ୍ପାଦନ ବୃଦ୍ଧିରେ ମହୁମାର୍ଜିର ଲୂମିକା ଓ ମହୁଚାଷକୁ ଉଦ୍ୟୋଗ ଭାବେ କରିବା ପାଇଁ ଉତ୍ସାହିତ କରିଥିଲେ। ଏହି ତାଲିମ ଶିବିରରେ ଜିଲ୍ଲାପ୍ତରୀୟ ସହକାରୀ କୃଷି ଅଧିକାରୀ ଜ୍ଞାନ ରଞ୍ଜନ ପାଣିଗ୍ରାହୀ ଯୋଗ ଦେଇ ପରିବର୍ତ୍ତିତ ଜଳବାୟୁରେ ମନ୍ଦୁ ଚାଷର ଗୁରୁଡ୍ୱ, ଏହାର ଔଷଧୀୟ ଗୁଣ, ମନ୍ଦୁ ଚାଷ ପାଇଁ ଆକଶ୍ୟକ ହେଉଥିବା ଜ୍ଞାନକୌଶଳ ଉପରେ ଆଲୋକପାତ କରିଥିଲେ। ଉଲ୍କ ତାଲିମ ଶିବିରରେ ରାୟଗଡ଼ା ଜିଲ୍ଲାର ସମସ୍ତ ବୁଜରୁ ମୋଟ ୧୫ ଜଣ ଗ୍ରାମୀଣ ୟୁବକ ପ୍ରଶିୟାର୍ଥୀ ଯୋଗ ଦେଇଥିଲେ। ସମସ୍ତ କାର୍ଯ୍ୟକ୍ରମ ଗୁଡିକୁ ପରିମଳ ତରାଇ ଏବଂ କୃଷି ବିଜ୍ଞାନ କେଦ୍ୱର ଅନ୍ୟ କର୍ମକର୍ତ୍ତାମାନେ ପରିଚାଳନା କରିଥିଲେ

### ପ୍ଷ୍ଟିଶସ୍ୟ ଖାଦ୍ୟ ପ୍ରବର୍ଶନୀ, ମା' ପାର୍ବତୀ ଏସ୍ଏଚ୍ଜି ପ୍ରଥମ

ଜାଶୀପୁର, ୨୬/ ୧୧ (ଇମିସ): ଜାଶୀପୁର ବୁକର ଜୁମ୍ବାରଶିଳା ଠାରେ ପୁଷ୍ଟିଶସ୍ୟରେ ପ୍ରପ୍ରତ ଖାଦ୍ୟ ପୁଦର୍ଶନା ଅନୁଷ୍ଠିତ ହୋଇପାଇଛି । ସ୍ୱେଳାସେବୀ ଅନୁଷ୍ଠାନ ଅପ୍ରଗାମୀ' ପଥରୁ ଆଯୋଜିତ ଖାଦ୍ୟ ପ୍ରଦର୍ଶନାରେ ବୁଜର ୭ଟି ଏସ୍ଏବୃଜି ଅଂଶଗ୍ରହଣ କରି ମିଲେଟ ଖାଦ୍ୟ ସାମଗ୍ରୀ ପ୍ରଦର୍ଶନ କରିଥିଲେ । ରାୟଗଡ଼ା ନିଲ୍ଲା କୃଷି ବିଜ୍ଞାନ ନେନ୍ଦ୍ର ଦ୍ରଦର୍ଶନ' କରତେଲା । ବାୟକାବୀ କଲ୍ଲା କୃଷ ବଞ୍ଚାନ ବିଳନ୍ତି ମନାଯତାରେ ମାଞ୍ଜିଆ, କାଙ୍ଗୁ, ଖୋଗଲା, ଖେତନଦ୍ୱା ଭଳ ସୂତ୍ରଶଙ୍ୟରୁ ପ୍ରସ୍ତୁତ ଖାଦ୍ୟ ଏଠାରେ ପ୍ରଦର୍ଶିତ ମେଇଥିଲା,



ବିଭିନ୍ନ ପ୍ରକାର ମୁମ୍ବାକ୍ ଖାଦ୍ୟ ପ୍ରସ୍ତୁତ ପ୍ରତିଯୋଗିତାରେ ଇତାବୁଆଁ ଗ୍ରାମର ମାଁ ପାର୍ବତା ଏସ୍ୟଦ୍ୱି ପ୍ରଥମ, ସ୍ତିରିଗୁଡ଼ାର ମାଂ ମାତଭଉଣୀ ଏସ୍ୟଦ୍ୱି ଦ୍ୱିତୀୟ ଏବଂ ଝିରିଗାଁର ମା' ମାଣିକେଶ୍ୱରୀ ଏସ୍'ଏତ୍କି ତୃତୀୟ ପାନ ଅଧିକାର କରିଥିଲା। ସେହିପରି ରେଙ୍ଗା ପ୍ରିତ ରୋହିଣୀ ାସଏଚଳି, ବାମନଗଡାର ମା' କନକବର୍ଗା ଏସଏଚଳି,

ରଚରିଗୁଡାର ପ୍ରାଗତିକା ଏହା ଏହକି ଏବଂ ନାଇରିଗୋଡ଼ିର ଏବ୍/ଏହନି ଯ୍ୟାକ୍ରନେ ବହୁଥି, ପଞ୍ଚମ ଖଞ୍ଜ ଏବଂ ମସ୍ତମ ସାନ ଅଧିକାର କରିଥିଲା ଏହି ଅଦନରରେ ପ୍ରଥମର ବୃତ୍ୟୟ ସାନ ଅଧିକାର କରିଥିବା ଏବ୍ୟବ୍ଚିତ୍ର ପୁରସ୍କ କରାଯାଇଥିଲା ଓଡ଼ିଶା ମିଳେଟ ମିଶନ ପ୍ରଥମଣୁ ଅୟୋଗିଟ କାର୍ଯ୍ୟକ୍ରମରେ କେଲିକେ ରାୟଗଡ଼ାର ବୈଞ୍ଚାନିକ ରାଜେନ୍ତ୍ର ବୃତ୍କ, କୋପାମୁଠା ଓଡ଼ିଗ୍ୟା, ପ୍ରାଣୀ ତିକିମ୍ବଳ ତା. ଦିଲାପ କୁମ୍ବାର ବେହେଲା, କୃଷି ବିଲାଗରୁ କାଷୀପୁର ଏଓ ନିରସ୍ତନ କ୍ରିଆରିକେବେବେ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ପ୍ରଧାନ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ପ୍ରଧାନ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ପ୍ରଧାନ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ପ୍ରଧାନ ଜ୍ୟାନ୍ତର ପ୍ରଧାନ ପ୍ରଧାନ

ସ୍ଥିତ ସିଇଓ, ଆମ ସଂଗଠର ସଲାପତି ସୁମନୀ ଝୋଡ଼ିଆ ପ୍ରମୁଖ ଯୋଗବେଲି ପୃଷ୍ଟିଶମ୍ୟ ପ୍ରସ୍ତିଶ ଖାଦ୍ୟର ଉପକାରିତା ସଂପର୍କରେ ମତ ରଖିଥିଲେ। ଏଥିରେ ଅଗ୍ରଗାମୀ ସଂଙ୍ଗୀତନ କ୍ୱାର

ପରିଚାଳିତ ମୁକ୍ତ ଥାନ କୁଟୀର ବିଦ୍ୟାଳୟର ଛାଡୁଛାଡୁ ଶିକ୍ଷକ, ଶିକ୍ଷୟିତ୍ରୀ ସହିତ ସ୍ଥାନୀୟ ଅଞ୍ଚଳର ତାସୀ ଉପସ୍ଥିତ ଥିଲେ ମିଲେଟ ବୁକ ସଂଯୋଜକ ଉମାକାନ୍ତ ନାୟକ ଏବ ଅବୁଲ ନାୟକ, ଅଭିରାମ ଝୋଡ଼ିଆ ପ୍ରମୁଖ କାର୍ଯ୍ୟକ୍ର ଅତୁଲ ନାଣକ, ଅଭିରା ପରିତାଳନା କରିଥିଲେ

### 999,

#### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ପକ୍ଷରୁ ମହିଳାଙ୍କୁ କୃଷି ଯନ୍ତ୍ରପାତି ବ୍ୟନ

ଭାରତତା ,(ସଦୁତା); ଭାରତତ ଜିଲ୍ଲା ପୁଣ୍ଡପୁର ଅଟ ସାନୀୟ ଜିଲ୍ଲା କୃଷ ଦିଆନ ଦେଳୁ ପଥରୁ ,ମହିତା ମାନକୁ ପୃଞ୍ଚ ସମୟ ଓ ସ୍କଳ୍କ ପ୍ରତିଶ୍ରମରେ ଜିପରି ଫବଳ ଆଦାୟ କରି ଲାଲବାନ



ମହିତା ମାତେ ହଳ କରିବା ଓ ଔଷଧ ଅଞ୍ଚିତାତୁ ଆମିତେଲେ ତାତି ସଦ୍କମା କରିଥାରି । ମହିତାମାତେ ପରିବାରର ଓ ଦ୍ୱି ଷେତ୍ରର ଅଧିକ କାମ କରିବାହାରା ବିଭିଲ ସାହ୍ୟରତ । ତେଣୁ କ୍ଷିକାବୀ ମହିଳା କ ଶୁମଲାଘକ ପାଇଁ ବିଲିଲ କୃଷୀ ଯନ୍ତପାତିଲ ବ୍ୟବହାର ନିତାକ

ଅନ୍ତକୁ ବଶନ ବରିଥିଲେ, ଅଥା-ହେଶ ହିତର ଅନ୍ତ , ମତା ମହି ଜତା ଅନ୍ତ , କେଶି ତୋତିବ ପାଇଁ ଅନ୍ତ, କଳତ ମାନର ବା ସାର୍ଜନି ସେକ୍ ଆଦି ବିତର ଜରାଯାଇଥିଲା । ଶ୍ରମତା ଅନଙ୍କ

#### Sundargarh-I KVK







#### କୃଷିଜୀବୀ ମହିଳା ଦିବସ ପାଳିତ କୃତିଦିବ୍ଧନ ହେନ୍ତର ଦୈଞ୍ଚଳିକମାନେ କାର୍ଯ୍ୟ ସହ କୃତ୍ତି ବଳାରୀକରଣରେ ନିପୂଣ ଏହି ସଭାରେ ସୋଗଣତର ଏହି ହେବା ପାଇଁ ନାବାହି ପ୍ରବଳକ ଶଳ୍ପିପ୍ରସନ୍ଧ ପୁତରଗଡ଼,୧୫।୧୦(ଡି.ଏମ୍.ଏ.)

ସୋମଦାର କୃତିହାବୀ ମହିଳା ଦିବସ ପାଳିତ ହୋଇଛି। କୃଷି ଛେତ୍ରରେ ମହିଳାଙ୍କ ଅବଦାନକୁ ନେଇ ଅକ୍ଟୋକର ୧୫ ଗାରିଖରେ ଏହି ଦିବସ ପାଳନ କରାଯାଉଛି। ଏହି ଅବସରରେ ଆୟୋଳିନ ସଭାରେ ଆଖିପାଙ୍କ ପ୍ରାମର ୫୦ରଣ କୃତିଜୀବୀ ମହିଳା ସୋଗନେଇଥିଲେ । କୃଷିଶେତ୍ରରେ ବେମାନଙ୍କ ଅବଦାନ ବିଷୟରେ ଏକ ଚର୍ଚ୍ଚ କାର୍ଯ୍ୟକ୍ରମ ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ବିବସ ପାଳନର ଉଟେଶ୍ୟ ସମ୍ପର୍କରେ ଆରୋକପାତ କରିଥିଲେ। ବୃତ୍ତିତ ନୂତନ ଜ୍ଞାନକୌଶକ ଆପଣାଇବା ପାଇଁ କିତରେ ଆଞ୍ଚଳିକ ଉବେଷଣା କେତ୍ର

ମହାପାତ୍ର ପରାମର୍ଶ ଟେଉଥିଲେ । କୃଷି ଶେତ୍ରରେ ମହିଳାମାନଙ୍କ ଶ୍ରମ ଜାପକ ସମ୍ପର ବ୍ୟବହାଳ ସମ୍ପର୍ଜର କୃଷିଦିଜ୍ଞାନ 



### ଧରିତ୍ରା କ୍ଷିବିଜ୍ଞାନ କେନ୍ଦରେ ବୈଜ୍ଞାନିକ ଉପଦେଷ୍ଟା ମଣ୍ଡଳୀ ବୈଠକ

#### ସୁନ୍ଦରଗଡ଼ରେ ଜିଲାୟରୀୟଅନ୍ତଜାତୀୟମହିଳା ଦିବସ



ପ୍ରସିମାନେ ବହିଥିଲେ । ଏହି ତିବୟେ ପ୍ରସ୍ଥା ମହିତାମନଙ୍କ ଓ ଜ୍ଞାନ୍ତରଣ ବହିଥିଲେ । ଏହି ତିବୟେ ପ୍ରସ୍ଥା ମହିତାମନଙ୍କ ABSTRACTOR BY SETS 18969 SECON GREED 3 RE

प्रदेशको द्वारी कार करात वैत्राह पूर्वेदवार शारकाकत है ବ୍ୟବର ଅପର୍କ୍ଷର ଅଧ୍ୟକ୍ତର ବର୍ତ୍ତିକ । ଅଧିକୃତି ଜିଲା ବ୍ୟକ୍ତ । ପରିବେଶକରେ ଅଧିକ । ବ୍ୟକ୍ତର ଏକ ଓଡ଼ି । ଜନ୍ୟର ଅଧୁକ୍ରଣ ବ୍ୟବ ବୃମ୍ପର ଜେନ ମଧିକ ବ୍ୟକ୍ତିକରେ ଅପତର । ସମୁ ଧନ୍ୟର ଅଧିକ ବିଷ୍କର । ଏହି କରଣ କୃତ୍ତର । ମଧ୍ୟ බව කියාගේ සාහල කොටු පොඩා පාණයට පාණයට පාණයට වේදන හැත ගනුගත පදනුව දැන්න. ඕන යුතු ජනයග හැදනා ගෙන මියා ඉසි සාදය ගලා සම්ද සහ මේදීද සිතපා දම්ව සහ , පත්මය ලොසු සහ පරිපාපද දැන ගත යාර් නායක. (කළා රාම්ක්ව දන, විසර අදිය කරන) පරිපා

ලෝකෙනු ලෙනවෙන් ප්රතේෂ්ඨ ක්ලම්ඨ කිලියේ මෙන් තිනිවෝ ව වලවන් තීමේ යැවීම කතර කට සහසා සැකියේ අවසාව අතරේම් වනුද අතරය তে তাৰ্যত ভট্নত ভাৰ হ'ত পৰা চাৰাত চাৰাত ভাৰত্ত্ব হৈছে প্ৰভূমিক। ভাৰতিয়া তাৰ্ট্ৰক সমগ্ৰ একমানামা কৰ্ম পৰামিক। কৰ্মিক ইনুক্তিক কৰ্ম ক্ষাৰ্থ ରହ ଇଉପନ୍ତା । ମନଦମରିତ ଅବନରତ୍ୱି ହସନାର ଅନୁଗାଳୟ ମହିଳା ନିମ୍ମ ଓ ମହାର ମହକୁ ସହରତ୍ୱ обусали плецег дорга об досторо в проста и посторо в проста и посторо в проста посторо в посторо

### ଜିଲାସ୍ତରୀୟ ଅନ୍ତର୍ଜାତୀୟ ମହିଳା ଦିବସ

ବୁଦରଗତ, ୮ା୩ (ଡି.ଏନ୍.ଏ)

ଆନୀୟ ସବଭାବନା ଭବନ ଠାରେ ରବିବାର ଜିଲାପ୍ତରୀୟ ଅନ୍ତର୍ଜାତୀୟ ମହିଳା ଦିବସ ପାଳିତ ହୋଇଯାଇଛି। ଜିଲା ମହିଳା ଓ ଖିଶୁ ଦିଭାଗ, ମିଶନ ଶକ୍ତି ବିଭାଗ, କିରେଇ କୃଷି ବିଞ୍ଚାନ କେନ୍ଦ୍ର ଏବଂ ମିଲେଟ ମିଶନ ସ୍ୱଦରଗଡ ମିଳିତ ଆନୁକ୍ଲ୍ୟରେ ୧୦୧ଜଣ ମହିନାଙ୍କ୍ ନେଇ ଏହି କାର୍ଯ୍ୟକ୍ରମ ଆୟୋଜିତ ହୋଇଥିଲା । ଏଥରେ ଅତିରିଲ୍ଲ ଜିଲାପାଳ ନୃସିଂହ ଚରଣ

କନ୍ୟା ସରାନ, ଭୂଶହତ୍ୟା, ମହିଳା ସଶକ୍ତି କରିଥିଲେ । ସାମାଜିକ କର୍ମୀ ଶୁଭଶ୍ର କରଣ ଓ ମହିଳା ମାନଙ୍କ ଉତ୍ତମ ସ୍ୱାସ୍ଥ୍ୟ ରାୟ ମହିଳାଙ୍କ ଉପରେ ହେଉଥିବ ସମ୍ପର୍ଜରେ ଆଲୋକପାତ କରିଥିଲେ । ଘରୋଇ ନିର୍ଯାତନା ରୋଜିବା ଉପଟେ କିରେଇ କୃଷି ବିଦ୍ଧାନ କେନ୍ଦ୍ରର ମୁଖ୍ୟ ତଥା ବରିଷ୍ଠ ବୈଜ୍ଞାନିକ ତ. ଲକ୍କୀପ୍ରିୟା ପ୍ରଧାନ ସମ୍ମାନିତ ଅତିଥି ଭାବେ ଯୋଗଦେଇ ମହିଳା ଉଦ୍ୟୋଗୀକରଣ ଓ ପୋଷଣ ସମ୍ପର୍ଜରେ ଗୁରୁହାରୋପ କରିଥିଲେ । ଜିଲା ସହାୟକ ଶକ୍ତିର ସଂଯୋଜିକା ସୁଶୀଳା ରଥ ସମାଜକଲ୍ୟାଣ ଅଧିକାରୀ ମହିଳା କାର୍ଯ୍ୟକ୍ମ ପରିଚାଳନା କରିଥଲେ

ସ୍ୱାଇଁ ମୁଖ୍ୟ ଅତିଥି ଭାବେ ଯୋଗ ଦେଇ ସଶକ୍ରି କରଣ ଉପରେ ଗୁରୁଦ୍ୱାରୋ ଥିବା ଆଇନକାନୁନ ସମ୍ପର୍କତେ ସୂଚନା ଦେଇଥିଲେ । ଆଡଭୋବେ ସ୍ଥେହଲତା ପଟେଲ ଭୂଶହତ୍ୟା ମହିଳା ନିର୍ଯାତନା ସମ୍ପର୍କତ ଆଲୋକପାତ କରିଥିଲେ । ମିଶନ



କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ମହିଳା କିଷାନ ଦିବସ



#### ଧରିତା

#### ଜିଲାସ୍ତରୀୟ ମହିଳା ଜିଷାନ ଦିବସ

ଆଲୋକସାଟ କରିଥିଲେ । କରିବାଦିକା ନିଶନର ପ୍ରକଳ୍ପ ନିର୍ବେଶ ପିଡାମର ସାହୁ ଆଲୋବନାରେ ଅଂଶମ୍ମହଣ କରି ଜାଙ୍କ ବିଭାଗର ବିଭିକ ଯୋଗନାରେ ରହିରତ ମହିତାଙ୍କ ପାରତ୍ୱିତା и особої стобос обої କରିଥଲେ । ଜିଲା ନାବାର୍ଡର ଉପସବକକ ଶକ୍ତିପ୍ରସବ ମହାପାତ୍ର କୃଷି କ୍ଷେତ୍ରରେ ମହିଳାଙ୍କ ପହରାଗିତା ଓ ସେମାନଙ୍କ ପାର୍ଗ ଉଷ୍ଟିତା ବିଭିନ୍ନ ପୁତିଥା ପୁରସାସ ସମ୍ପର୍ଜରେ ଆଯୋତପାତ ବରିଥିଲେ । ଉଚ୍ଚାନବିଭାବର ଉପନିର୍ଦ୍ଦେଶ ରବ୍ୟାବଦିଶାଳର ଉପିବର୍ଣଣ ବଳାବଦିଶାଳର ଉପିବର୍ଣଣ ବଳାବଦିଶାଳର ମହିଳାମାନଙ୍କ ପରପାରତୀ ଓ ନିତାରଣ ପ୍ରତୀବା ବୟସ୍ଥାନର ଅନ୍ତର୍ଶ୍ୱର ଦିଆ ମଧ୍ୟ ଅନ୍ତର୍ଶ୍ୱର ଦିଆ ମଧ୍ୟ ଅନ୍ତର୍ଶ୍ୱର ଦିଆ ମଧ୍ୟ ଅନ୍ତର୍ଶ୍ୱର ଜଣ ପର୍ବାରର ଆର୍ଥିବ ଅର୍ବତ୍ୱିତ ବୈପାଣୁଣ୍ଡ ସେ ନେର ବଲ୍ଲବ୍ୟ ଉତ୍ତିଥିଲେ ।







#### କୃଷି ବିଜ୍ଞାନକେନ୍ଦ୍ରରେ ବିଶ୍ୱ ଖାଦ୍ୟ ଦିବସ

об бегоорга сачо бак и ив бегоорга пое гороже ଅତ୍ୱରତତେ ୬ବେମ ପିଶୁ ଖବ୍ୟ ଦିବସ ଅତୁହିତ ବ୍ୟବହା କୃତି ବିଶବ କେନ୍ଦ୍ରଣ odiedo sodo cono ciacar racha ରୁଚନା ଦେବା ପରେ ବରିଷ୍କ ନୌଷଣିକ agilijas gaso ele deesa ascen anésa tisalecia elifisal ligi ලාස දම් වමණට සමුරාවයක් ගම් සිලුගේ සයි ජ ක්රීකට අපය සඳුල්ල ଓ ପୂଷମ ଜାବ୍ୟ ଦୂହଣ ଫଣରେ ଅଲୋକର କରିଥିଲେ ସହନ୍ଦେଶ ଅଧିକାମ ପୁରୁଷ лико чиског в осно чоск mode acces edegated descrip оо обоюн эдин ди обибо a, galle tasi sossio anasa asin MOND CROWNERS AND SERVICE THE CANADA CONTRACTOR OF SERVICE THE SERVICE THE CONTRACTOR OF SERVICE THE S triccióni getal at, to no tratte දු! දෙලා, වසු බෑම දෙලෙස පිළිතෝ අලේකුණු, අල අතුර පරිකත් පුමුවල

විද්ය, පම ගෙන ස්වයේ ශ්රීල්ද දෙස විද සහ විද්යාග අති ය අති සඳුණ්ම සේකු සඳුණ්ණ මහතු geralitar tisse oli ritoria raricaga oliq silvide e, more ଜ୍ୟା ଜଳାଣୁ ପଥିବର ୧୯ ଉପରେ ଗୁଣୁକରର କରିଥିଲେ ୧୯୩ର କୃତି Selection costs ରହି ମସିଳା ଓ ପୁମୁଷ ନାଷୀ ଜୀବ ଦେଇଥିଲେ । କେମେଇଥିଲା । ଏହିର ବିଶିହ କୁବର ୬୯୦ପ୍ର ଦେଇଥେଲେ ଲେଖି ଓ ଲିବି ବାରା ସେଥିଲେ ।



අතරයක්වී : ජුවෙන විශ ජුම පදිගණ අතරයක්වී : ජුවෙන විශ ජුම පදිගණ සම්ප්‍රකාල පත්‍ර ජාතික පෙක්දිණ ප්‍රජාත සම්ප්‍රකාල පත්‍ර ජාතික පෙක්දුණ ප්‍රජාත cacco Depós ribora spora gradeo යේ දින්තේ දුල්ම වෙනවාවේ නැදෙය වුදුර අදේශය වුරටත් ශ්රී කැමාවරුවේ කිස බිසර ලි අදේශය දුල්ලේ වෙනවාවේ නැදෙය වුදුර අදේශය දුල්ලේ වෙනවාවේ නැදෙය පුල්ලේ ගතම්ම ස අතමේම කරන මෙන මෙනුනා තෙල් මින කරුවමේ මේදුකුතු පත්පල ඉති කෙලුදා පරිගත කතෙනිම ද කොතේ පස් විමිත ඉවත ඉතින්න කරන කියන්නෙ මේදුකා හෝ වීට වැරසුණය අම්වෙත් අම්බන්ධ 8 සඳහාය

ම්ඉ අම්බයේම සඳහා : (වර්ජාලාදෙකුග

ඉතිරිමත් අතරය විසා ඉති විසාත් කරනුව මුත් ඉති විසාත් අතරය විසිට අතරයාගත්ත විසාක්ෂණ අතිත විසාත් විපත් අතුසු විස් ආශා පලම්ව

ଏକ ଦେଶ ବିଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ ବ୍ୟବ୍ୟ ଜଣାଗରେ ବିଜନ୍ମ ବିଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର୍ଶ୍ୱର ଅନ୍ତର ବାହା ଦିଆରତ ଉପରେ ଦିଆଲାଲୁମା ପ୍ରଶିଶରତ ବହୁପ୍ରଯୋଗ ବରି ହିଆରତ ଓ ତିଆ ପୁଲୁଦି ତିଉତି ଉଦ୍ପର କରାଯାଇ ପରିଛି ତାହା ଦର୍ଶାଲୁହି ଓଡ଼ି ବାସ ନିର୍ବାଣଙ୍କର ମହିଳା ଉଦ୍ୟେଶୀ ମାନେ ଦେମାନଙ୍କ ସ୍ୱୟନ୍ତ । ଦର୍ଶନା odaco: do: on oneo dedeo oocoeo ଦେବଳ ମହିଳା ତାଞ୍ଚଳ ଅଧିକଳ ଓ ସହନ୍ତିକ୍ରତମ ଆପ୍ରି ମାସକ ବହିଳା ଦେଇ ମଦ ମେକଥିଲେ ବେଲେ ଆସ୍ଥା ଜଣ ପୁରନ୍ତ ନିର୍ବାଶକ ନରମ୍ପିକ ଦରଣ ଦେବଳା SERVICIO ESSE GÉRGIO I RESON GORDE COMO EMO god office) senting nate ପର୍ବ୍ଦମତ ଅଧିକର୍ଗ ବର୍ମପ୍ରକାଷ ମହେଲ, ବୃଷ୍ଟି ବିଲର ବେତର ପୈଲ୍ଲାନିକ ପେତିକୁ ସହକୁ ବାସେ, ଦୁର୍ଗ ବିଲର କଦପଣ୍ଟ ଫରମିଡ୍ର ସବୁ ଅନୁକ୍ଷ ନିଳ୍ଲ କଦ ନିଳ୍ଲ ସାସଦ

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#### ଜିଲ୍ଲାସ୍ତରୀୟ କିସାନ ମହିଳା ଦିବସ

ରେ ବଳିଷ୍ଟ ଭୂମିକା ତୁଲାଉଛନ୍ତି'। ଆଜି ଜିଲ୍ଲାସ୍ତରୀୟ କିସାନ

අවගෙන, දුම දරුණුවා 'ලුම්, ගෙනාං, හෝ රෝගැ. එහුම්ම හෙසයිකා! ටුවහ ගිනු අලුණ ලුම් එයිනගේ මි්ටුය අතිය ලුම් හේතියේ තුරයෙනු අතියනාගෙන අතයෙනින! ඒ 'ආර්ත මිරිය' එරෙම එහෙසරෙන ගිනෙන් මිනියර මෙන් රාසය බාපරෙනිගේ අවුරුත්තයක්! වුත." අතේක්ත හොස් ආස්තායේ මිරිලු හේත්තුන් හෙලේ ගෙන ගින ඒ ප්රතිපාස 'එහිරින ඒ හේත්තය හලේ ගෙන ගින ඒ ප්රතිපාස 'එහිරින ଜଳକିରାଜନ ମିଶନ ପଳକ୍ତ ନିର୍ବେଶକ ଆରୋଚନା କରି ଡାଙ୍କ କିରାଗ



ବହି ମମିତର ମହିଳାଙ୍କ ଜାସ୍ୟିଧାରାର ପ୍ରଶଂସା କରିଛନ୍ତି । ନିଲ୍ଲା କୃଷି ଚିଧାର, ଉତ୍ୟାନ ବିଲାଣ, ପୂଜରତ୍ୱ କୃଷି ବିଜ୍ଞାନ ଲେକ୍ତର ମିନିତ ଅନୁକୃତ୍ୟାରେ ଅନ୍ୟାରଳ ଗୁଗୁରମିଟ୍ ଜରିଅରେ ଜାସ୍ୟିକ୍ରମତି

ନରେଶନ ଆରୋଚନା ଉପ ନାଙ୍କ କରାଗ ଦ୍ୱାରା ହୋଇଥିବା ବିଭିନ୍ନ ସୋନନାରେ ଇସିଏରେ ମହିକାମାନଙ୍କ ପାରତଖିତା ଅନ୍ଧ୍ୟମନଙ୍କୁ ପ୍ରେଗଣା ସେସାଇଛି ବୋଲି କହିଥିଲୋ ନାଡାର୍ଡିଉ ନିଲ୍ଲା ଜପ ପୁରହଳ କୃଷ୍ଠି କ୍ଷେତ୍ରରେ ମହିକାମାନଙ୍କ ପାଇଁ ଥିବା ବୃହିଧା ଓ ଓଡ଼େଶର ଉପରେ ଆରେଜ୍ଞାର ଓ ସୁଯୋଗ ଉପରେ ଆଲୋକପାଡ କରିଥିଲେ। କାର୍ଯ୍ୟକ୍ରମରେ କିଛି

ଅନୁନିର୍ବରଣୀଳ ମହିଳା ଉଦେଖରୀ ସେମାନଙ୍କ ସଫଳତା ବର୍ଣ୍ଣନା କରିଥିଲେ। ଜିଲ୍ଲା ଉଦ୍ୟାନ ସେମାନଙ୍କ ସଫଳତା ବର୍ଣ୍ଣନା କରିଥିଲେ। ଜିଲ୍ଲା ଉଦ୍ୟାନ ଜପନିର୍ଦ୍ଦେଶକ ମହିଳା ଚାସୀଙ୍କ ଅଧିକାର ଓ ସହକାରିତାକୁ ଆହୁରି ବ୍ୟାପଳ କରିବା ନେଲ ମତ ରଖିଥିଲେ। ଖେଷରେ ସ୍ଥଳରଗଡ଼ି ଆତ୍ମା ନାସପଳର ନିର୍ଦ୍ଦେଶକ ଧନ୍ୟତାତ ଦେଇଥିଲେ।

### କୃଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ରବି କୃଷକ ମେଳା

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rene code cite pe



desa qui comito mor estr neg gené cos notóns estra: «E socara genos bais cible era nese geno nesgog bai

### ବିଶ୍ୱ ଖାଦ୍ୟ ଦିବସ ପାଳିତ

eribo, o a Gail a soci Boro and colorio a data a social a colorio a data a colorio a col କଳ୍ପରତ ଓ ପୂଚନ ଖାବ୍ୟ ପ୍ରହଣ ବଂପର୍ବରେ ଅଲୋକପାନ କଳିଥିଲେ । ଏହା କଦ୍ୟାନ ଅଧିକାରୀ ଲେପ୍ଲିପତା ପ୍ରହୀଶ ମହାନରୀ, କୁଷରୋପଣ ଓ ପୋଷଣ ବଦିନାର ମହତ୍ୱ କପରେ



ଉତ୍ତେମ କରାଇଥିଲେ । ଭାରତୀୟ ଜଳ ପରିବାଳନା ଅନୁଷାମର ପ୍ରମୁଷ ବୈଷ୍ଟାଳିତ ହା ଉଦିହ୍ର ନୁମାର ଠାଣ କଥାଛିତ ସମୟରେ ଉତ୍ତମ ଷାଦ୍ୟର ପରିବାଳନା ଓ କଥାଛିତ ଜିଣ୍ଡମକୁ ଅନ୍ତିହ୍ୱର ରହି କଥାଛିତ କଥାଛିତ ରହି କଥାଛିତ କଥାଛିତ ରହିଛି । ରଦବ୍ୟେଧନ ଦେଇଥିଲେ । ଏହା ସହିତ ମିଶନ ଶକ୍ତିର ସଂଯୋଜିକା ଦୁଖଳା ରଥ 

ନିକର କାର୍ଯ୍ୟକ୍ରମ ଉପରେ ତାଞ୍ଚମନାକୁ ଅବସଦ କରାଇଥିଲେ । ମହିତା କୃଷତ ବିବସରେ ଆଲେଡିଡ ହୋଇଥିବ ବେତ୍ରପତ ଓ ପୁରସ୍ତେମନାଙ୍କର । ଏହି ବେତ୍ରପତ ଓଡ଼ି ପ୍ରଥମ । ଏହି ବର୍ଦ୍ଧିକ ଅଟେ ଧାନ୍ୟର ଅନୁଷ୍ଠିତିକ । ବେତ୍ରପତ କୃତି ବିଜ୍ଞାନ । ବହି ପ୍ରଥମ । ବହି ବହ୍ୟ । ବହି ବହ୍ୟ । ବହ୍ୟ

### ମାଛ ପୋଖରୀର ଖାଦ୍ୟସାର ପରିଚାଳନା ତାଲିମ



ପରିବର୍ଣ ଦର୍ଦ୍ଦ ହେବ । ପ୍ରହେଶ ଅନୁସାସ ମହନ ପରିବାର ମହନ ବ୍ୟବ୍ୟର ପରିବର ଉପର ପରବର ବିଧାରଯୁଖା ଏହି ବହିଳା ବହିଳା ଅନ୍ତର୍ଶ ଓ ସହାଳୀୟ ଓ ମହିଳା ପ୍ରଥ ପ୍ରଥଳ ସେଥାବ ବହିଳାକ । ପ୍ରଥଳ ପ୍ରଥିବ । ପ୍ରଥିବା । ସର୍ବ ପ୍ରଥଳ ପ୍ରଥିବ । ପ୍ରଥିବା । ସର୍ବ ପ୍ରଥଳ ପ୍ରଥିବ । ପ୍ରଥିବା । ସର୍ବ ପ୍ରଥଳ ପ୍ରଥିବ । ପ୍ରଥିବା । ସହାଳୀ ସଂ ପର୍ଯିବ । ପ୍ରଥିବା । ସହାଳୀ ପ୍ରଥିବି ବିଦାରକ ସହରେବା । ସହାଳ

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#### ଜିଲ୍ଲାସ୍ତରୀୟ ଗୋ ସମ୍ବର୍ଦ୍ଧନା ଉତ୍ସବ





# ଜନ୍ନତମାନର ଚାଷ ପାଇଁ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ଭୂମିକା ଗୁରୁତ୍ୱ ପୂର୍ଣ୍ଣ

ବେଥିଲି । ପ୍ରଥମ ଜିନ୍ନିତ କରିଥିଲା । ବେଥା ବଳ୍ପ ଅଟେ ବେଥିବ ବହିଛି । ବେଥିଲା । ବେଥା ବଳ୍ପ ଅଟେ ବଥିବ ବହିଛି । ବୈଷ୍ଟଳର ଓ ସହାର ବଳ୍ପ ଅଟେ ବଥିବ ବହିଛିବା । ବେଥା ବଳ୍ପ । ପ୍ରଥମ ବଳ୍ପ କରିଥିବା । ବେଥା ବଳ୍ପ । ବଳ୍ପ । ବଳ୍ପ । ବଳ୍ପ । ବେଥା ବଳ୍ପ । ବଳ୍ପ । ବଳ୍ପ । ବଳ୍ପ । ବଳ୍ପ । ବେଥା ବଳ୍ପ । ବଳ୍ୟ । ବଳ୍ପ । ବଳ୍ୟ । ବଳ୍ୟ

### ଓୟୁଏଟି ପ୍ରତିଷା ଦିବସରେ ସୁନ୍ଦରଗଡ଼ ଚାଷୀ ମନୋଳ ସମ୍ମାନିତ

୍ୟରସର ୫.୯ ଜମ ପ୍ରତିଷ୍ଟା ବିବସ ପାଳିତ ହୋଇପାଇଛି

ଜୁମାର ଅନୁଦାର ଓ ଅନ୍ୟନ୍ୟ ଜିନ ନିର୍ଦ୍ଦେଶକ ଅତିଥି ଭାବେ පුතුරෙකු හම්නම ඉති වින ୟକରର କୃଷି ଓ ଆନୁସଙ୍ଗଳ त्रा 5000 oragion. PERSONS ରିଥିଲେ । ଏହି ବିଶ୍ୱ ବିଦ୍ୟାକରର ଜୁଛନ୍ତାମନେ ଆହି ବିଶ୍ୱର මෙ පලකෙන්නෙ මේකුම්ක ବିଭିନ୍ନ କୃତ୍ତି ସମହାର ବିଷରରେ ାନଙ୍କ ପରି ଏହି କଥା ମଧ୍ୟ କିଷ

ලංගය අතරයට යන වෙනුවෙන් සුවල් ලින්න කළ අතරයන් වෙන පළමුව වෙන පළමුව දැල් ଥାରତ କୃଷି ବିଷ୍ମାନ କେନ୍ତ ପୁଡ଼ିକରୁ ମମୋନୀତ ହୋଇ ଦ୍ୱେତା ଅନୁଶା ତାଞ୍ଚଳ ମଧ୍ୟତୁ ଶ୍ରେଷ ତାଙ୍କା ଭାଲ/ରେଣୀ । କେନ୍ଦ୍ର ପଷରୁ ଜାତି ଗ୍ରେସ ଇଞ୍ଚାହାରରୁ କଣାପଡ଼ିଛି ।

ନରଗଡ଼,୬୪୮୮(ଅଫିସ): ଓଡ଼ିଶା କୃଷି ଓ ଦୈଷରିଳ ବିଷ୍କ । ମାନଙ୍କୁ ସମ୍ମହିତ କରାଯାଇଥିଲା । ଏହିକ୍ରମରେ ସୁନରଗଡ଼ ଳିକା ବାଲିଶଙ୍କରାର ବ୍ଲକ ଫରେଜମୁଖ ହୈବିକ ତାଖ । କୃଷି ମୟା ଅରୁଣ କୁମାର ସାହୁ ସମେତ କୁଜପତି ତା ପଦନ । ମନୋଳ ମହାକୁଲଙ୍କୁ ସମୁହିତ କରାଯାଇଛି । ସୂଚନା ପଞ୍ଚାଳିନ

ମନୋଳଙ୍କ ହାରା ଗୋବରରୁ DIEGO GIGO, MICHOGO ୍ରେତିକ ଉତ୍ସାଦ BRHRS ପ୍ରେପରି ବିଜାମ୍ବର, ଜୀବାମ୍ବର, ଆଗେଷ୍ଟ ବ୍ରହ୍ମଷ୍ଟ ଆହି ଉତ୍ସାଦ ଯାହାଳି ଧାନତାଷ, ପନିପରିତା ନାଖରେ ସଫଳ ହୋଇଛି । ଏହି ଉତ୍ପାଦ ଗୁଡ଼ିକୁ ସ୍ଥାନୀୟ ଜାଷାମାନେ ନିଜ କୃଷି କାର୍ଯ୍ୟରେ ଉପଯୋଗ କରି ବେଶ ଲାକବାନ ନେଗଳନ୍ତି । ସ୍ଥାନୀଣ କିରେଳଞ୍ଜିତ

ସଫନତା ପାଇଁ ଗୌରନାତ୍ୱିତ ହୋଇଛନ୍ତି ବୋଲି କୃଷି ବିଞ୍ଛାନ

### ପୋଷଣ ବଗିଚାର ଆବଶ୍ୟକତା ଉପରେ ଗୁରୁଦ୍ୱ



ପୁତରଗତ, ୧୯୧୯(ଡି.ଏଟ,ଏ.)

### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପୋଷଣ ଅଭିଯାନ



τός σεο σου διώς οσο επιπ 

ados crescos deletras peters apres - collega (col. registras como cidir deletras peters del del proceso del contra del proceso del ේ ලිදු : යල්ගෙනයා මෙම නිරම්ද ඉත. පාරකයා පාරකරණ සඳවා මෙම මෙන්වේ සඳවා සමගයා සාකර් පාරකරණ පාරකරණ සඳවා පැවිත ප්රති අතර සතර යන දැක දේවා වෙනුව මේ ලදා වෙනුව මෙර දැන පළව වීම : පැවසිර පාරකර් පාරකර් සතර පාරකර් සතර පාරකරණ සතර



ତିବର୍ଷ ରଣି ଏବର୍ଷ ତିସେଷର 5 ତାରିଖକୁ **ନିଶ୍ୱ ମୁଖିଳୀ ଦିବସ** ରାବେ ମାନନ କରାଯାଉଛି ର ବୃତ୍କ ମୃକ୍ତି ଓରେ ପରଞ୍ଚାଳଦା ଲଙ୍ଗ୍ୟ ନେଇ ଏ ବର୍ଷର ପ୍ରୋଗାନ ରହିଛି "ମୃଲିକା ଓ ଜଳ – ଜୀବନର ଜଣ" ମନ୍ତଦ୍ୱର ଖାଦ୍ୟର ଉବକଳ୍ପ ୨୦ କାସକୁ ଲହିଁ ମୁଦ୍ଧିକା ଓ ବବକୁ ହିଁ ବୃଞ୍ଜି । ମାନ୍ତ ଗାଦିତ କାବକ ଗା ଓ କବଳ ପର୍ବିଚାଳନା ନ ହେବା ହାରା ମୁଲିକା ଛଣ, ହୈବ ଦିବିଥନା, କରିଲଚା, ବଟ ମାଣ ଓ ଗ୍ରତବଳା ଆଦି ନଶ୍ଚ ହୋଇ ଖାଦ୍ୟ କମ୍ବାଦନ ବାଧ୍ୟମ୍ବାୟ ହେଉଛି । ମୁହିଳା ପରିକାବ ।ତା ଯଥା – ସମସ୍ତିତ ଖାଦ୍ୟସାର ପରିତାଦମା, ଅନ୍ନ ଲମି କର୍ଷଣ, ଫସଲ ପର୍ଯ୍ୟାଣ, ବୈଦି ାର୍ଗଣ ପ୍ରୟୋଗ, ଆଲ୍ଲାହିତ ଫଦର ତାଷ ହାରୀ ମୁହିତୀର ସାଙ୍ଗ୍ରୀରେ ଗରଟି, ମୁହିତୀ ଛଣ ଗୋଳି ତ ସ୍ୱତତ ତତର ପର୍ତିମାଣ ଦୁହି ପାର ଫସର ଉତ୍ପାଦନରେ ସହାଣଣ ହୋଇପାତିକ । ଆମ ଜିଲାଗ ଅନୁମାଦିର ପରିବାଦନା ଆବଶ୍ୟରତା ରହିଛି । କଥି ହିଲାକ କେନ୍ଦ୍ର, ପ୍ରହରଣଙ୍କ-1 (କିଲେଲ) ଭିରୀ ଏହା ପରିଚାରତୀ ଉପରେ ଉଚ୍ଚେତ୍ତତୀ, ଚାହିଁମ, ଖେନ୍ତୁ ପୁତର୍ଶିତ, ମୁହିଁହା ଏହା କାର୍ଚ ପୁଦ ।ଦି ବାର୍ଯ୍ୟକୃମ ପ୍ରହଣ କଣିଆସୁଅଞ୍ଜି । ଆସନ୍ତୁ, ସମନ୍ତେ ମିବିମିଞ୍ଜି ହିନ୍ନାର ମୁହିଁହା ଓ ବହର ପୁରା ଭି ଖଦ୍ୟଶୟ୍ୟ ଉତ୍ସଦ୍ୱରରେ ସହାରକ ହେବା ଓ ସୁଦ୍ର ଜୀବନଯାପତ କରିବା ।



### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ କର୍ମଶାଳ

ନୁଦରତ୍ୱେ,୬୮(କାର୍ଯ୍ୟକ୍ୟ; ବିପରେଞ୍ଜିତ କୃତି । କଥାନେଲ ଏହି କାର୍ଯ୍ୟକ୍ତମ ଆଲୋକନ । କୁମାରଟେମ,ବୈଷ୍ଟନିକରେଡିଡ୍,କେମଷ୍ଟ୍ର ଏହିହିନିକ ଓ ଏହି ଚିଚିନ୍ଦେସ ବେଶର ଏହିଏବିସ୍ନି କମିଷାଳା ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । କେହେରା, ମୁଖ୍ୟଳିକା ବୃଷ୍ଠି ଅଧିକାରା ବିବେଳ । ଅଧିକାରୀ ଗମିଷାଳାରେ ଯୋଗ ଦେଇଥିବା ରାରତ ସରକାରଙ୍କ କ୍ଷି ଓ କ୍ଷକ କଳ୍ୟଣ । ସେସେର, ଜିଲା ମୁଖ୍ୟ ପ୍ରଣୀ ବିକିସ ଅଧିନାତୀ । ସୁସରଗଡ଼ ସରକାରୀ ମହାବିଦ୍ୟରପର ଜୀ ମନ୍ତଶାଳୟର ଏହିହିନିକ୍ ହାରୀ ତାଖାମାନଙ୍କୁ ଭିତିଧାରୀ ଯୋଇ, କ୍ଷି ବିଞ୍ଚାନ କେନ୍ତ୍ର, ବିଞ୍ଚାମ ଗତକ ହାନ୍ତ ଓ ଛାତ୍ର ସଥମର ଉଟ ତିଶେଷଣ ମାନଙ୍କ ହାନା ମହିତାର ସହାୟ ଫସର ରରଣ, ବୈଲାବିଳ ପହରିରେ ତାଷ, ଫରଳ ବାମା, ଅନନ୍ତ ପରବର୍ତ୍ତୀ ଯହା, ବଳାର ସହମା, SCORP COMP DIFFICUCION SERVICES ପଦାନ ସହ ଏହାବିଳିନେୟ ସେଥର ପଡ଼ିଷା କରି କୃଷି ସାମଗ୍ରାର ବିକ୍ରିବଟା, ବୃଷି ଯଞ୍ଚପାରି ୧୩ଟୋର ସେତା, ଆମଳ ପଳନତା ପରିଚାଳନା ଏକ ପ୍ରେପ ଅପ୍ରୋଗାଳରଣ ଅନ୍ୟତ୍ତ ଏଥରେ ଅଟେ।ହଳା କରାଯାଇଥଲା । ଉଦ୍ୟସମାନ କୃତ୍ତି ରଦେଶଙ୍କା, ବୃତ୍ତି ଖୋ ଆନୁସଲିକ ବିଭାଗର

ଆନ୍ତର୍କ୍ତ ଦୁରଗର-୧୦ ହେବାବାଡ଼ି ପଞ୍ଚଳ୍ଲ । ଜଣଯଇଥିଲା । ଜାନ ହିଳଳିକା ବିବାଶ ପ୍ରବେକ । ଅତିରିକ୍ତ ଜିଲା ମସ୍ୟ ଅଧିକାରୀ ଅନୁଶ ସହ (ସ୍ତରରତ୍ ଓ ପରସ୍କରତ୍) ତାପସ କୁମର । ସହକାରତା ନ୍ୟଙ୍କ ଏଟ ବନ୍ଦର୍ଭିଛ ବ୍ୟକ



ସ୍କଦରରତ୍-୧ ର କରିଷ୍ଠ ଦୈଷ୍ଣାଳିକ ଓ ମୁଖ୍ୟ ବାହୁ ଓ କୃଷି ଉଦୋଶୀଅଶେଳ ନାସ, ଆଧୂର ଜଣ୍ଡିଆପ୍ରଧାର କୃତିଦିଶନରେ ଆତ୍ରୁଷ୍ଠାର । ନାଏକ ଏଥିରେ ଯୋଉଦେଇଥିଲେ । ନାଏ ଓଡ଼େଶ ହେବ ଲେ ଅନୁସ୍ଥର ବହିଳ ବହିଳ ହେବ ନହିଳ ହେବ ନହିଳ ଓଡ଼ିଆ ବହିଳ ହେବ ଲଣ କଥିଲେ । ଅନୁସହିତ ହେବ ଲଣାନ କଥିଲେ ଓଡ଼ିଆ ବହଳ ପ ଅନ୍ସର୍ଜିକ ବିଜ୍ଞାନର ଅଟେ ଜଳ୍ଲାବନ୍ତାମ ମନଙ୍କ । ପର୍ବରରତା ଏଇ ତି. ଏମ ସଥଂଶ ଶେଷର ସହ, । ଫରଠନର ମଧ୍ୟ ନିର୍ବାହୀ ଅଧକାରୀ ସଙ୍ଗାଧ ଅନ୍ତର୍ଜନ ସହ ନ୍ତରନ କୃତ୍ତି ହେମ ଏହା ପୂର୍ବ କରିବା । କୃତି ଦିଞ୍ଛାନ ହେନ୍ତ ମହିଳା ଦୈଞ୍ଛାନିକ ନ ମହେନ୍ତ । କିଶାନ ଧମ୍ୟଦ୍ୟ ହେଇଥିଲେ ।

## ମାଟିଆଗୁଞ୍ଜି ପୋକ ନିୟନ୍ତ୍ରଣ ତାଲିମ



ତରଗଡ଼,୨୯ ୧୦(ଭନିଷ): କିରେଲଗ୍ଲ କୃଷିତିଷାତ ଜନ୍ମ ପଥରେ ପୁଦରଗଡ଼ ଜିଲ୍ଲା ବାଲଣଙ୍କରା, ସଦର ଓ ଦଡ଼ଗାଁ ଦୁରର ୩୦ ଜଣ କୃଷି ମ୍ୟସାରଣକର୍ମୀଙ୍କୁ ଧାନଫସଲରେ ମାଟିଆର୍ଲ୍ଲି ପୋକର ାରଣ ଉପରେ ତାରିମ ପ୍ରଦାନ କରାଯାଇଥିଲା କୃଷି ଜ୍ଞାନ କେନ୍ଦ୍ର ମର୍ଭିରା ବୈଦ୍ଧାନିକ ଡ. ମନୋକ କେନ୍ଦ୍ରା ଷାଳ କେନ୍ଦ୍ର ସମ୍ପ୍ରମାରଣ ଦୈଷାଳିକ ଡେଭିଡ୍ ରେମସ୍ ।ଗମ. କେନ୍ଦର ବରିଷ, ବୈଷାଳିକ ମୁଖ୍ୟ ତ. ଲକ୍ଷ୍ମୀପିୟା ରୁଧାନ, ଜିଲ୍ଲା ମୁଖ୍ୟ କୃଷି ଅଧିକାରୀ ଦୀରେନ୍ଦ୍ର କୁମାର

ବେହେରୀ, ଲେପ୍ରିପଡ଼ା କୃଷି ଜିଲ୍ଲା ଅଧିକାରୀ ହରିହର ପ୍ରମୁଖ ବଲ୍ଲବ୍ୟ ରଖିଥିଲେ ପ୍ରଶିୟାଣୀଙ୍କ ନିଜ ନିର ଅଞ୍ଚଳର ତାଷ ସମସ୍ୟା ଓ ଏହାର ସମଧାନ ଉପ୍ତେ ଆଲୋଚନା କରାଯାଇଥିଲା । ପ୍ରଶିଷାର୍ଥୀମାନେ କୃଷିଦିବା ଜେନ୍ତ୍ରର ବିଭିନ୍ନ ପ୍ରବର୍ଣନୀକ୍ଷେତ୍ର ପରିବର୍ଣନ କରିଥିଲେ କାର୍ଯ୍ୟକ୍ରମକୁ କୃଷିବିଷାତ ଜେନ୍ତ୍ରର ଦ୍ୱିକେନ୍ଦ୍ର ମଞ୍ଚଳ, ମୁଦାର ଦିବାନାଅ, ଅରୁଣ କୁମାର ମିଶ୍ର, କମନରୋତନ ମହାନ୍ଦ ଜମରବର ମା, ନିରେକ କୁମାର ମେଠୀ, ଗଳାନନ ଛଣ ପ୍ରମୁଖ ପରିଚାଳନା କରିଥିଲେ

ROURKETA Educar - - - -

#### किसान मेला में वर्षा जल संचयन और प्रबंधन की दी गयी जानकारी



किरेड में लगे मेले में 300 से अधिक

प्रतिनिधि, सुंदरगढ

प्रसावका, पुटलां प्रदेशका के किर्दे रिका कुछ प्रकान केंद्र में जिला स्तरित किराजन मेला गुळाकर को आंधींजा किया गया. आंधींका में किराजी को शरकार के "जला सीता अंधिंका में के शाला त्रिका गर्मा को में प्रकारक किराजी को पत्री कार्य संप्रकान केंद्र उनके प्रकार के मांच-साथ पूजा रहत को कारा उठाने के और में आवश्यक जानाकरी क्षांत्र के और में आवश्यक जानाकरी क्ष्या को जाता करने के लिए विशोधन स्वार्ध को जाता करने के लिए विशोधन स्वार्ध के साथ स्वार्ध के स्वार्ध के पाने के जाता करने के लिए विशोधन स्वार्ध के साथ साथ केंद्र साथ कोंद्र केंद्र की साथ हाता जै करी, परिणामस्वास्त्र मुक्त साथ भूकत साथ की निवार्धित क्षा जाएंग्र भूजल स्तर को निर्वाजित किया जाएंग और यदि आवश्यक हो तो इसका और यदि आक्रयक हो तो इसका उपयोग खेती के लिए किया जा सकता

वर्ष । जला परायव कावाहम स विभन्न आधुनिक कुपि उपकरणों का प्रदर्शन किया गढा, कार्यक्रम गें विभिन्न प्रखाडी के 300 से अधिक कितानों ने भाग निवा, सुंदरक्द एडीएम किसानी ने भाग हत्या. सुरशन्द युद्धीराम रिव नामसाम साहू जिला परिषर मुख्य विकास अधिकारी एवं कार्यकारी अधिकारी भैरव शिंह पटेल, नाम अध्यक्ष तान्या मिळा. डॉ. लक्ष्मीप्रिया प्रधान, कृषि विज्ञान केंद्र के व्यवस्थ बैज्ञानिक, जिला मुख्य मनस्य येलनिक, जिला मुख्य मा अधिकारी अरुण कुमार साह, डीडी तापस बेटरा कार्यक्रम में मीजूद थे.

Sat, 12 November 2022 प्रभात खबर https://epaper.prabhatkhabar.c

#### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ଜିଲ୍ଲାୟରୀୟ ଚାଷୀ ମେଳା

ସୁହରଗଡ଼,୧୧୧୧(ଆପ୍ର): ସୁହରଗଡ଼ କିରେଇ ପ୍ଲିତ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଠାରେ ଜିଲ୍ଲାୟରୀୟ ଚାଷୀ ମେଳା ଅନୁଷ୍ଠିତ ହୋଇପାଇଛି । ଶୁକ୍ରବାର ଦିନ ଆୟୋଜିତ ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ସରକାରଙ୍କ "ଜଳ ଶକ୍ତି ଅଭିଯାନ' ଅଧୀନରେ ଚାଲିଥିବା ବିଭିନ୍ନ କାର୍ଯ୍ୟକ୍ରମ ବିଷୟରେ ଚାଷୀମାନଙ୍କୁ ସଚେତନ କରାଯାଇଥିଲା ।

ବର୍ଷା ଜଳ ସଂରକ୍ଷଣ ଓ ଏହାର ପରିଚାଳନା ସହିତ ଭୂତଳ ଜଳଖର ବୃଦ୍ଧି ଆଦି ବିଷୟରେ ଚାଷୀମାନଙ୍କୁ ଆଦଶ୍ୟକ ସୂଚନା ପ୍ରଦାନ କରାଯାଇଥିଲା । ବର୍ଷା ଚେକ୍ ତ୍ୟାମ୍ ଜିମାଣ ସହ ପୋଖରୀ ଖନନ କରିବାକୁ ଚାଷୀମାନଙ୍କୁ ପରାମର୍ଶ ଏହା ଫଳରେ ତିଆଯାଇଥିଲା । ରଚଳ ଜଳପର ନିୟରଣ ହେବା ସହ ଆବଶ୍ୟକସ୍ଥଳେ ଏହାକୁ ଚାଷ କାମରେ ବ୍ୟବହାର ଜରାମାଇ ମାରିତ ରୋଇଁ କୃଷି ଦୈଜ୍ଞାନିକ ଏବଂ ଜିଲାଞ୍ଚରୀୟ 712101010100 ଚାଷୀମାନଙ୍କ କହିଅଲେ । ଏହି ଅବସରରେ ଚାଷୀମାନଙ୍କୁ ଜଳସେଚନ ଲାଗି

ସରକାରଙ୍କର ରହିଥିବା ବିଭିନ୍ନ ଯୋଜନା ବିଷୟରେ ଅବଗତ କରାଯାଇଥିଲା । ଚାଷୀମାନେ କିପରି ଉଇ ଫସଲ ଅମଳ କରି ଲାଇବାନ ହେବେ ସେ ବିଷୟରେ ଏହି ମେଳାରେ ଆଲୋଚନା କରାଯାଇଥିଲା । ଏହି ଜିଲ୍ଲାଞ୍ଚରୀୟ କାର୍ଯ୍ୟକ୍ରମରେ ବିଭିନ୍ନ ଆଧୁନିକ କୃଷି ଯବପାତି ପଦର୍ଶନ କରାଯାଇଥିଲା । ଚାଷୀମାନେ ଏହି ଯନ୍ତପାତି ବୁଲି ଦେଖିବା ସହ ଏହାର ପରିଚାଳନା ବିଷୟରେ ପଚାରି ବୃଝିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ବିଭିନ୍ନ ବୃକର୍ ୩୦୦ରୁ ଅଧିକ ଚାଷୀ ଜଳ ସଂରକ୍ଷଣ ପାଇଁ ବିଭିନ୍ନ ସ୍ଥାନରେ ଭାଗ ନେଇଥିଲେ । ଉକ୍ତ କାର୍ଯ୍ୟକ୍ରମରେ ସୁହରଗଡ଼ ଅତିରିଜ ଜିଲ୍ଲାପାଳ ରବି ନାରାୟଣ ସାହୁ, ଜିଲ୍ଲା ପରିଷଦର ମୁଖ୍ୟ ଇନୟନ ଅଧାକାରୀ ରଥା କାର୍ଯ୍ୟ ନିର୍ବାହୀ ଅଧିକାରୀ ଭୈରତ ସିଂ ପଟେଇ. ପୌରପାଳିକା ଅଧ୍ୟକା ଚନୟା ମିଶ. କୃଷି ବିଜ୍ଞାନ କେହର ବରିଷ ବୈଜ୍ଞାନିକ ତ. ଲକ୍ଷାପିୟା ପଧାନ, ଜିଲା ମୁଖ୍ୟ ମସ୍ୟ ଅଧ୍କାରୀ ଅରୁଶ କୁମାର ସାହୁ, ନାବାର୍ଡର ଡିଡିଏମ୍ ଚାପସ କେହେରା ପୁମୁଖ ଯୋଗ ଦେଇଥିଲେ ।



#### ପୃଷ୍ଟି ଶସ୍ୟ ଦୋକାନ ଉଦ୍ଘାଟିତ

ସୁନ୍ଦରଗଡ଼,୧୪/୧୦(ସମିସ): କିଆକହାର ଗ୍ରାମର ଧନଲଣା ଏସଏଚଳି ଏବଂ ଏସଏସଏଫପିସିଏଲ ପଷରୁ ବାଲିକୋରି ଛକରେ ଶସ୍ୟ ହୋଳାନର ପୃଷ୍ଟି ଶୁରାରନ କରାଯାଇଛି । ଆଯୋଜିତ ଉପ୍ନବରେ



ପୁଦରଗଡ଼ ଜିଲ୍ଲା ପରିଷଦ ଅଧ୍ୟକ୍ଷା କୁନ୍ତା ପ୍ରଧାନ ଯୋଗଦେଇ ଏହାକୁ ଉଦଘାଟନ କରିଥିଲେ । କିରେଇ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର ମୁଖ୍ୟ ତଥା ବରିଷ ବୈଜ୍ଞାନିକ ଲକ୍ଷାପ୍ରିୟା ପ୍ରଧାନ, ଦୈଜ୍ଞାନିକ ମନୋଜ ଜେନା, ଜିଲ୍ଲା ମୁଖ୍ୟ କୃଷି ଅଧିକାରୀ ବୀରେନ୍ଦ୍ର କୁମାର ବେହେରା, ହିଳବର ସେଠୀ, ୱାସନର ଡିପିସି ମନୋଳ ରାଏ, ସୁନିଲ ପଟେଲ, ଲଲିତା ଲାକ୍ରା, ସ୍ମିଗ୍ଧା ମହାପାତ୍ର, ଟାଙ୍ଗରପାଲି ଶିଶୁ ବିକାଶ ପ୍ରକଳ୍ପ ଅଧିକାରୀ ଅଞ୍ଚଳା ରୋଇ, ରଚନପୁର ସରପଞ୍ଚ ବରଳ ପ୍ରଧାନ ପ୍ରମୁଖ ସମ୍ମାନିତ ଅତିଥି ଭାବେ ଯୋଗ ବେଇଥିଲେ । ପରେ ଅତିଥିମାନେ କିଆକହାର ଗ୍ରାମରେ ସାପିତ ପୃଷ୍ଟି ଶସ୍ୟ ପ୍ରକ୍ରିୟାକରଣ ୟୁନିଟ୍ ପରିଦର୍ଶନ କରିଥିଲେ। 

ସ୍ତୁପ୍ତ ଜୀବନ ପାଇଁ ସ୍ୱଦେଶୀ ପୃଷ୍ଟିଶସ୍ୟ ଖାଦ୍ୟ ଅପରିହାର୍ଯ୍ୟ

ଦୁରରଗଡ଼ି, ୧୩/୧୦(ଜମିସ): ଟାଙ୍ଗରପାଳି ବୃହ ନତନପୁର ପଞ୍ଚାଣତ ଜିପାକଥାର ଗାଁର ଧନଲସ୍ୱା ନିର୍ଭ ଶଳ୍ପି ମନ୍ଦିନା ଗୋଷୀ ଓ ସମ୍ପୂର୍ଣ, ଦୁଦେଶୀ କୃଷକ ଉତ୍ପାଦକ ସଂଘର ମିନିତ ଉତ୍ୟମରେ ଦାଲିପୋରି ଛକରେ ପୁର୍ଣ୍ଣଣଙ୍ ଏକାଳ ଉବସାହିତ ହୋଇଯାଇଛି । ମୁଖ୍ୟଅନିଥି ଲାବେ ୍ରତିତ୍ୱ । ଅଧିକ ବର୍ଷ ବିଶେଷ ପ୍ରଥମ ବର୍ଷ ବର୍ଷ ଜନ୍ମିତିତ୍ୱ (ମୁଣ ଜାବନ ପାଇଁ ମୁନେଣୀ ପୂର୍ଣ୍ଣିଶମ ଖୋବ୍ୟ ଅଧାରଣିଥା ଏହା ବ୍ୟବାତ ଗୀ ମହିଲଣ୍ଡ ମାବ୍ୟ ଓ ସହାଧ୍ୟବ୍ୟର୍ଥର କରିବାହର ଅଧାନ ପୋସ ଦେଇ ଜନ୍ମିତ ' ମେଲି ଜନ୍ମିତ୍ୱରେ । ମୁଖାରିକ ଅଧିକି ପାନେ ପୂର୍ଣ୍ଣ ତରିବା ନୋଲି କହିଥିଲେ । ମଞ୍ଚାଳିକ ଅଞ୍ଚିଅ ପାନେ କୃତ୍ତି ବିଜ୍ଞାକ ଉଚ୍ଚମ ବୃହାଳ ଲଣ୍ଡିସିଲା ପୁଆନ, ବାଙ୍ଗବପାଳି ଶଣ୍ଡୁ ବିକାଶ ଅଧିକାରୀ ଅଞ୍ଚଳା ହୋଇ, କୃଷ୍ଠି ବିଜ୍ଞାନ ଉଚ୍ଚମ ବୈଷ୍ୟାନିକ ଓ, ମହାଳା ବେଳା, ସ୍ୱାବନ ବିଦିସି ଅଧିନ ଲଧ୍ୟ, ଓଡ଼ାଲ ବିଲାଶ ଶୁନାଲ ପରେଲ, ମିସନ ଶଞ୍ଚିଲ ପିଦିସି ଲନିବା ଜାଳ୍ମା, ସ୍ନିଷ୍ମ ମହାପାତ୍ର, ସନୟଞ୍ଚ

ପରଳ ପ୍ରଧାନ, ଜିଲ୍ଲା ମୁଖ୍ୟ କୃଷି ଅଧିକାରୀ କୀର ବେଶେବା, ଦ୍ୱିକକର ବୋଠୀ ପ୍ରମୁଣ ଯୋଗ ଦେଇଥି ଦୋଜାନରେ ସୁଲଭ ମୂଳ୍ୟ ଗୁଲଜି, ସୁଆଁ ଆଦି ଯୁଦ୍ ପୃଷ୍ଟିଶସ ପ୍ରପୁତ ବିୟୁଟ, କେକ, କକୁ, ପାଉଁଗୁଟ, ପୁଞ୍ଜିଶମା ଗୁ ସୋଗା, ପେତିସ ଅତି ଉପଲକ୍ତ। ସେହିପରି ପୁଞ୍ଜଣଙ ତାଉଳ ମଧ୍ୟ ଲୋକଙ୍କ ସୋଟାଇ ଦିଆଯିକ ବେ ଗମ୍ପର୍ଣ୍ଣ ସ୍ୱଦେଶୀ କୃଷିକ ଉତ୍ସାଦକ ସଂଗ ପରିତାକ ନିର୍ଦ୍ଦେଶନ ଅଖୋଳ ନାଏ ଓ ପରିଷଦ ନିର୍ଦ୍ଦେଶକ ଅଧ୍ ରାଏକ ପ୍ରକାଶ କରିଖନ୍ତି । ଏହି ଅନମରରେ ଅନିଥିମ କିଅକଥାରରେ ସାସିତ ସଞ୍ଜିଶମ୍ୟ ସକିଯାକ କିଆକଥାରରେ ସାଧିତ ପୃଷ୍ଟିଶମ୍ୟ ପୁକ୍ରିଣାକର ଯୁନ୍ଦିଟ ପରିଦର୍ଶନ କରିଥିଲେ ଜାଯ୍ୟକ୍ରମକୁ ଅନଲ

#### କୃଷକ ସମ୍ମାନ ଦିବସ ଓ ଜାତୀୟ ଛତ୍ର ଦିବସ ପାଳିତ

#### ଜୀବନଜୀବିକା ପାଇଁ ଚାଷକୁ ଆପଶେଇବା ଉପରେ ଗୁରୁତ୍ୱାରୋପ

ନ୍ଦୁଦରଗଡ଼,୨୩।୧୨(କାର୍ଯ୍ୟଳୟ): କିରେଇ କୃଷି ବିଞ୍ଚାନ କେନ୍ଦ୍ର ଆନକଳ୍ୟରେ ଟାଙ୍ଗରପାଲି ବଳ ଅନ୍ତର୍ଗତ କଟୀ-ବତାବାହାଲ

ସଶକ୍ତିକରଣ ହୋଇପାରିକ ବୋଲି ମତବ୍ୟକୃ କରିଥିଲେ । ଛତୁତା ସମସ୍ଥାଯ ବିଭିନ୍ନ ଞ୍ଚାନକୌଶଳ ଦେବା ସହିତ ଶେତ ପଦର୍ଶନୀ



ସ୍ତରତାମ ରମ୍ବରେ ଅନ୍ୟର୍ଗତତା କରିଥିଲେ । ସମ୍ପର୍ଶର କମ୍ପରମ୍ବରଙ୍କ ତ୍ତିତ ସଞ୍ଚାନ ପଦର୍ଶନ କରିବା ସହ ଜୀବନକାବିକା ପାଇଁ ତାଷକ ଆଯଶେଇବା ପାଇଁ ଆହାନ ଦେଇଥଲେ । ଭେବ ବାରା ସମସ ମଖମନଙ୍କୁ ଅମୃତରଣ୍ଠା ତାରା ବଣନ କରାଯାଇଥିଲା । ଏହା ସହିତ ମତାୟ ଛତୁ ବିବସ-୨୦୨୨ ମଧ୍ୟ ପାଳିତ ହୋଇଯାଇଛି । କୃଷି ବିଞ୍ଚନ ଜଦର ଚରିଷ ହୈଷାନିକ ଓ ମଧ୍ୟ ଜା ଇଷାପିଯା ପଧାନ ଉପଶିଚ ଆଯୋଜନ କରାଯାଇଥିଲା । ଏହି ଅବସରରେ ଶୀତଦିନ ହୋଇପାରୁଥିବା ଧୂଙ୍କିରାଛତୁର ମଞ୍ଜି ସଙ୍ଗ ସହାଯଳ ଗୋଷା ସତସ୍ୟାମାନଙ୍କ ପଦାନ କରାଯାଇଥିଲା । କେବର ବିଷୟରସ ବିଶେଷଞ୍ଜ ଜ ହିବେକୁ ମଞ୍ଚଳ, ସେବଳର ଟିମ୍ ଲିଜର ଦିଗାମ୍ବାର ଉପାଧାୟ, ଉନ୍ନଣନ ଅଧିକାରୀ ହବିପ୍ରିୟା ନାଏକ ଓ ମନୋରଞ୍ଜନ ମଞ୍ଚିଲ, ସେତକର ଅମିୟରଜନ ରେଙ୍କା, ବନପାକ ହେମାବତା ସଂ

### କୃଷକ ସନ୍ନାନ ଦିବସ ପାଳିତ

ପୁଦରଗଡ଼, ୨୩।୧୨(ଡି.ଏନ.ଏ.) ନିରେଇନ୍ଦ୍ରିତ କଥି ଗିଞ୍ଚାନ କେହ ହାରା ଦିବସ ପାଳିତ ହୋଇଯାଇଛି। କାର୍ଯ୍ୟକ୍ରମରେ

କରିବା ସହିତ କାର୍ଯ୍ୟକ୍ରମର ଉଦ୍ଦେଶ୍ୟ ବିଷୟରେ ଅବଗତ କରାଇଥିଲେ । କଷି ଟାଙ୍ଗରପାଲି କୁନ କୁମ୍ବ-କୁଡାବାହାର ବିଜ୍ଞାନକେସ୍ଟର ମରିକା ବୈଚ୍ଛାନିକ ଓ, ମନୋଜ ଗ୍ରାମରେ କୃଷକ ସମ୍ମାନ ଓ ଜାତୀୟ ଛତ୍ର ଜୁମାର ଜେନା ସମସ୍ଥେ କୃଷକମାନଙ୍କୁ ଉଟିତ ସମ୍ମାନ ପ୍ରଦର୍ଶନ ଜଗିତା ସହିତ ୭୦ରୁ ରହି ଅଗୁଣୀ ଚାଷୀ, ବନ ସୂରକ୍ଷା ଜୀବନଜୀବିକା ପାଇଁ ଚାଷକୁ ଆପଶେଇବାକୁ ସମିତିର ସଦସ୍ୟାମାନେ ଯୋଉଦେଇଥିଲେ । ଆଲ୍ଲନ ଦେଇଥିଲେ । କୃଷି ବିଜ୍ଞାନ ନେତ୍ରର ପ୍ରାରମ୍ପରେ ନୃଷ୍ଠି ବିଜ୍ଞାନ ନେଦୁର ବୈଜ୍ଞାନିକ ବରିଷ୍ଠ ବୈଜ୍ଞାନିକ ଡ.ଲକ୍ଷ୍ମୀପ୍ରିୟା ପ୍ରଧାନ ତେରିଜ ଜେନସ ବାରେ ସମୟଙ୍କ ବାରତ । ଉପସ୍ଥିତ ଚାଷୀଙ୍କ ଉଦ୍ବେଧନ ଦେଇଥିଲେ ।

#### କୃଷକ ସମ୍ମାନ ଓ ଜାତୀୟ ଛତୁ ଦିବସ ପାଳିତ

ପ୍ରଦରଗଡ଼,୭୩ (୧୨(ସମିସ): ବୃଷ୍ଟି ଜିଞ୍ଚାନ ବେଳ୍କ ପ୍ରଷରୁ ଟାଙ୍ଗରପାଇଁ ବୁବ ଅନ୍ତର୍ଗତ କୁମ୍ର-ବୁବାବାହାଲ ଗ୍ରମରେ ବଳ ସଖଳ ବିବସ ଓ ଜାନ୍ତର କଳ ବିବସ ପାହିତ ହୋଇସାଇଛି । ପ୍ରଚନ୍ତେ ତ୍ୱରି ଦିବାନ କେନ୍ଦ୍ରର ଦୈବାନିକ ତେରିକ ମସ ବାହଳ ପଡାଡ ଜଣାଳବା ସମ ନାର୍ଯ୍ୟନ୍ତମର ଜଦେଶ୍ୟ ଦିଷସରେ ଅଦଗତ ලබිත සහයා ඉක්වී සිත (යාළකයක ଦୈଷାନିକ ହା ମନୋଜ ଗୁମାର ଜେନା ଖାଦ୍ୟଶସ୍ୟ ଇମ୍ବାଦନରେ କ୍ଷତର ରମିତା. ଅତିନିଆ ପନିପରିବା ତାଷ, ମାଣ୍ଡିଆତାଷ, ବଳାଜିକରଣ, ଦୈଞ୍ଚାନିକ ପଞ୍ଚତିରେ ବିଭିନ୍ନ ଫସରତାନ ଉପରେ ଆରୋଚନା ବରିଥିଲେ। କେନ୍ତ ଜନଫରୁ ସମୟ CHILDING DRIN DRING SUCCES ନୀରା ବଣ୍ଟନ କରଣୀଇଥିବା। କୃଷି ବିଷାଳକେତ୍ରର ବରିଷ୍ଠ ଦୈଷ୍ଟଳିକ ଓ ମୁଖ



ତା। ରଥିମାପ୍ରିରା ପ୍ରଧାନ ଉପସ୍ଥିତ ତାଖାଙ୍କୁ ଛତୁତାଷ ହାରା ଜୀବନ ଜିବୀନାରେ ବ୍ରତି ହେବା ସହିତ ମହିଳା ଶସକ୍ତିକରଣ ହୋଇପାରିବ ବୋଲି ମତବ୍ୟକ୍ତ କରିଥିଲେ । ହଦୁନାଷ ସମୁଖାଯ ତିରିନ୍ଦ ଜାନସୌଶକ ଦେବା ପରିତ ଖେନ୍ତୁ ପ୍ରବର୍ତ୍ତନର ଆୟୋକନ କରାଯାଇଥାରା 1 ଶୀବବିଳେ ହୋଇପାରଥବା ଧିଶ୍ୱିତା ଛତିତ ଧନ୍ତ ଧଧ୍ୟ ପଧାସତ ସେଣ୍ଡିତ ସବସ୍ଥାମନଙ୍କୁ ପ୍ରଦାନ କରାଯାଇଥିଲା ।

ନେତ୍ରର ଦିଷ୍ଟର ଦଶ୍ର ଦିଶେଷଷ ତଃ ଦିନେତ୍ୱ ମଣ୍ଡଳ, ସେବଳର ଟିମ୍ ଲିଜର ବିସାମ୍ବାର ଉପାଧାର, ଜନ୍ମନ ଅଧିନାତୀ ନଡିପ୍ରିଲ ନାଏକ ଓ ମନୋଇଞ୍ଚଳ ମଲ୍ଲିକ, ସେବକର ଅମିଯରଖନ ଗେଳୀ, ବନସାନ ହେମବରୀ ସ୍ଟି, ଜିତେନ୍ତ କୁମାର ସେଠା, ସହଯୋଗ କରିଥିଲେ । ୭୦ ର ଲହି ଅଲଣ ନାଶୀ, କନ ପୁରଥା ସମିତିର କାର୍ଯ୍ୟକମରେ ଯୋଗ ଦେଇଥରେ ।



DAMEN A SOUND der der er and offer take over poper an osacilens piñason, qui appoi en po di ejono gunar quat, siv ma pose price tilosee pain son oppos School #4 06 (\$41 (40) 63 (\$256) er con marke encop) - rikes encop of a के स्थाय प्राथम कृति । तस्य कृति प्राथम द्वाराचे nes est prix gra ons com pi

or option our make për appop merm ciais a op go वेषण करेंद्र प्रत्य एक SECTION, IN CRESS OF क्षत्र है हरना रेन्स्स के oder door obg 27 923 800 800

pomosés nos idés e e súaso apara canodo, arbestrago de notos avoy, aó oas go bant aquisas, este aby das edos outre na non sile coster recens pulisticamen digas-cotropages cost for coste di que min cocy dicensisation

# କିଷାନ ସମ୍ମାନ ସମ୍ମିଳନୀ ସିଧା ପସାରଣ

ସୂହନଗଳିକ୍ , ୧୭ । ୧୦ (ଭମିଶ) ଆନ୍ଧାନ୍ତ କୃଷି ବିଷାନ କେନ୍ଦ୍ର ପରିମନଗଳ ପୁଧାନମଞ୍ଚଳିଙ୍କ ନିର୍ବାନ ବିକାଶ ଗଳିଳାନୀର ସିଧାପୁସାରଣ ବୋଇଥିଲା । ଏଥିରେ ଦେଣ୍ଡ ଅଧିକ ମହିଳା ଓ ପୁରୁଷ କାଷା ପୁଧାନମନ୍ତ୍ରୀଙ୍କ ବାର୍ପା ପୁରିଥିଲେ ବେଷରେ ଏପୀପିଷପ୍ରତିକର ଗତନ ଓ ବିକାଶ ଗଣରେ ପୁଧାନମନ୍ତ୍ରୀ ଅନୁନ୍ଧ ବେହେଥିଲା । ଏହି ଅବଗରରେ ୬ ଶୀବ ପିଏମ୍ କିବାନ ସମନ୍ତି କେନ୍ଦ୍ର, ଏ ଶଳ ଏଶ୍ର ଅନୁନ୍ଧବେପ ଏକ ପୁରସ୍ତର୍ଜନା, ବୋଚିଧ୍ୟ ରେଥ ରୋଜିଏ ମନ୍ତର ବେନ୍ଦ୍ର, ଏ ଶଳ ଏଶ୍ରୋକ୍ୟନସେପ ଏକ ପୁରସ୍ତର୍ଜନା, ବାର୍ଜିଧ୍ୟ ବେହା ଭାଗିତ୍ୟ ଗଳାବ । ଭାଗତାଯାଣ ସାର ଭଲେକ୍ଟ୍ରାନିଙ୍କ, ପତ୍ରିକାର ଶୁର୍ଗାରମ୍ଭ କ୍ଷେଇଥିଲା । ସିଧାପୁସାରରେ ଜାନ୍ତ୍ରବିନ୍ଦ୍ରମନ୍ତର କେନ୍ଦ୍ର କୃଷ୍ଟି ମନ୍ତ୍ରୀ ନେଲ୍ଡର ବିଷ୍ଟା ବିଷ୍ଟାନ୍ତର କର୍ମ୍ବର କୃଷ୍ଟ ନର୍ଗ୍ୟ ବ୍ୟକ୍ତିକ କ. ଇଣ୍ଡାସିପା ପ୍ରଧୀନ ଅନ୍ତର୍ଜର କୃଷ୍ଣ ବିଷ୍ଟାନ୍ତର କର୍ମ୍ବର ବ୍ୟକ୍ତିକ କର୍ମ୍ବର ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତ ବ୍ୟକ୍ତିକ ବିଷ୍ଟାମ ମିଶ୍ୟର ବେନ୍ଦ୍ର ବର୍ଷିଷ୍ଟାନିକ ଓ ନାର୍ଜନ ବିଷ୍ଣାମିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ ବ୍ୟକ୍ତିକ୍ ୁକ୍ତ ଅଧିକ୍ର ଅଧିକର୍ଯ୍ୟ ହେଞ୍ଚାନିକ ଉ. ମାନ୍ତୀବ କିଣ୍ଡାମୀ । ବେଞ୍ଚାନିକ ତେଉଁକ୍ ନେମସ ବାଗେ, ସ୍ୱିବରକୁ ମଞ୍ଚଳ, ତ. ମନେନାକ ପିଦ୍ୟାନାଥ ପ୍ରମୁଖ ବାରାକୁ ପର୍ଚ୍ଚନାନ୍ତନା ଜଣିଥିଲେ । ଉପିଞ୍ଜ । ଗରପଞ୍ଜ ବେଞ୍ଚାଣ ବାସ ସ ବମନ୍ତିବାଳ୍ୟ ଖୋସିଧକ ଧିଆ, ସାରୁଦ୍ଧି ନ ସଂସ୍ପାର କର୍ମନର୍ଭୀ ଯୋଗ ଦେଇଥିଲେ ।

### ଆଭାସିରେ କିଷାନ ସମ୍ମାନ କାର୍ଯ୍ୟକ୍ରମ ଦେଖିଲେ ଚାଷୀ



ପୁନ୍ଦରଗଡ଼,୧୭।୧୦(ଜାର୍ଯ୍ୟାଳସ): କିରେଇସ୍ଥିତ କୃଷି ଦିଞ୍ଛାନ କେନ୍ତ୍ର, ଅନ୍ତରଗତ-୧ ପରିସରରେ ପ୍ରଧାନମନ୍ତାଙ୍କ ଜିଙ୍ଗଳ ସଙ୍ଗଳ ସଙ୍ଗଳନ ଅଭିଭାଷଣର ବିଧାପ୍ରସାରଣକୁ ଆଭାବି ମାଧ୍ୟମତେ ପୁରୁଷ ଓ ମହିଳା ଚାଷାମାନେ ଆଳି ବେଖିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ପ୍ରଧାନ ମହା ନରେନ୍ଦ୍ର ମୋଦିଙ୍କ ହାର। ଦେଶରେ ଏଫ.ପି.ଓ ଗଠନ, ଗରହ ଓ ବିକାଶ ଉପରେ ଅନ୍ନାନ ଦିଆଯାଇଥିଲା । ଏହି ଅବସରରେ ପ୍ରଧାନମନ୍ତା ୬୦୦ ପି ଏମ୍. ଜିସାନ ସମ୍ମହି କେନ୍ତର ଉଦ୍ଭଗଟନ ୩୦୦ ର ଜାନ୍ନ ଏଗା-ଷାଟେଅପ ଷଲ ପଦର୍ଶନା, ଗୋଟିଏ ଦେଶ ନ୍ତେତ ହୁଁ ଖଳ୍କ ଏକ୍ତାବ୍ୟକ୍ତ ଅଧି ବ୍ୟକ୍ତ ପ୍ରତମ୍ଭ ଓ ଉପର ସ୍ୱରତ । ଆଲାସି ମଧ୍ୟମରେ କରିଥିଲେ । ସିଧାନୁସାରଣ କାର୍ଯାକ୍ତମରେ କେନ୍ତ ବ୍ରସି ମଧ୍ୟ ନରେନ୍ଦ୍ର ସିଂ ତୋମାର, ଭାରତୀୟ କୃଷି ଓ ଅନୁସଦ୍ଧାନ ପରିଷଦର ମହାନିର୍ଦ୍ଦେଶକ ଜ ହିମାଂଶ୍ରପାଠକ ଓ ଅନ୍ୟାନ୍ୟ ଅଧିକାରୀ ଉପସିନ ଥିଲେ । ଭାରତର ୭୨୨ଟି କୃଷି ବିଞ୍ଚାନ ବେହର ଦୈଞ୍ଚାନିକ ଓ ୨ଲକ୍ଷରୁ ଉର୍ଜ୍ଣ ତାଖା ସିଧା।ପ୍ରସାରଣ କାର୍ଯ୍ୟକ୍ରମରେ ସାମିଲ ହୋଇଥିଲେ ।କୃଷି ବିଞ୍ଚାନ କେହର ବରିଷ୍ମ ବୈଞ୍ଚାନିକ ମୁଖ୍ୟ ଦ ଲକ୍ଷୀପିୟା ପଧାନ, ଅଞ୍ଚଳିକ ଗବେଷଣା ଉପକେହର ବରିଷ ବୈଞ୍ଚାନିକ ଜ ସଳାବ କୁମାର ବିଶାସୀ ସମେତ କୃଷି ବିଞ୍ଚାନ କେନ୍ତର ବୈଞ୍ଚାନିକ ଡେଭିଜ କେମସ ବାରେ, ବିବେକୁ ମଣ୍ଡଳ, ଜ ମନୋଜ ଜମାର ଜେନା ଓ ମହାଦା ଦିବ୍ୟନାଥ ପ୍ରମଖ ଉପସ୍ଥିତ ରହି କାର୍ଯ୍ୟକମ ପରିଚାଳନା କରିଥିଲେ । ସ୍ଥାନୀୟ ସରସଞ୍ଚ ଝରଣା କାସ ଓ ସମିତି ସଭ୍ୟବେଷଧାର ଧାରୁଆ, ସାରୁବିକୃଷଳ ଉତ୍ସାଦଳଙ୍ଗସ୍ଥାର କର୍ମକର୍ଲା

### ରାଷ୍ଟ୍ରୀୟମହିଳା କିଷାନ ଦିବସ

ବିକାଶ ଯୋଳନା ସୁପରଜାଇନର ଯୋଗ ଓ ବିଞ୍ଚାନ ଜେନ୍ନ ଚରଫରୁ ସମଉଙ୍କୁ ଅମୃତକଣା ବଶନ କରାଯାଇଥିଲା । ମହିଳାମାନେ କୃଷିତିଷ



ାକପାନ କରିଥିଲେ । ଜିଲା ଜନମଙ୍ଗକ ଅଧିକାରୀ ପ୍ରବର୍ତ୍ତନ ନ୍ଦ୍ର ମହିଳା ସଣକ୍ରିଲରଣ ଏବଂ ଶିଶ୍ରର ଚିଳାଶରେ ମହିଳା ମାନଙ୍କର ୁଦାଯିତ ଦିଷଯରେ କହିଥିଲେ । ବାଲିଶଙ୍କରା ଶିଶ୍ର ଦିକାଶ un ନାଏକ, ଲେଫିପଢ଼ାର ଯାଞ୍ଚସିନା ପଣ୍ଡ ଓ

ବିଭିନ୍ନ ପ୍ରଦର୍ଶନୀ ଶେତ୍ର (ମହୁବାଶ, ଇତୁବାଶ, ତାରା ଉତ୍ ବିଭିନ୍ନ ଆନଗୌଶକ ସମ୍ପର୍କରେ ତୁଷାଇଥିଲେ । କାର୍ଯ କୁମାର ଜେନା, ବିଦେକୁ ମଞ୍ଚଳ, ମୁକାବା ଦିବ୍ୟନାଥ, ଅରୁ ମିଣ୍ଡ, କମଳ ଲୋଚନ ମହାରୁ, କ୍ରମରବର ସା, ଜିପେ

#### ରାଷ୍ଟାୟ ମହିଳା କିଷାନ ଦିବସ ପାଳିତ

ପୁଦରରଡ଼,୧୫/୧୦(ସମିସ): ଆଟି ସାଳୀୟ କୃଷି ବିସାନ ବେଳ୍ପ ପଥରୁ ରାଷ୍ଟାୟ ମହିଳା କିଥାନ ହିଳସ ପାଳିତ ହୋଇପାଇଛି । ଉକ୍କ ସମାରୋହରେ କୃଷି ଦିଶାନ କେନ୍ତର ବରିଷ୍ଟ ଦୈଞ୍ଚାନିକ ଡ଼ା ଲଞ୍ଚାପ୍ରିୟା ପ୍ରଧାନ ଯୋଗଦେଇ କୃଷି ଓ ଆନସଙ୍ଗିକ କ୍ଷେତରେ ମହିକାମନଙ୍କର ଭାଗିତାରି, ଅବଦାନ ଏବଂ ଅଧିକାର ଉପରେ ଆହୋଳପାତ କରିବା ସହ ତାଙ୍କ ଅବଦାନ ଅତୁନନୀୟ ବୋଲି ମତବ୍ୟକ୍ତ କରିଥିଲେ । ଜିଲ୍ଲା ସମାଳ ମଙ୍ଗଳ ଅଧିକାରୀ ପ୍ରଭାସିନୀ ତକ୍ର ମହିକା ସଶସ୍ଥିକରଣ ଏବଂ ଶିଶୁର ବିଳାଶରେ ମହିଳା ମାନଙ୍କର ଗୁରୁବାୟିଟ ଦିଶ୍ୱରରେ ଆର୍ଗୋଚନା କରିଥିଲେ। ଅନ୍ୟମାନଙ୍କ ମଧ୍ୟରେ ବାଲିଶଙ୍କରା ଶିଶ୍ର ବିଭାଶ ପ୍ରଜନ୍ମ ଅଧିକାରୀ ପ୍ରତିମା ତହା, ଟାଙ୍ଗରପାରି ଶିଣ୍ଡ ବିକାଶ ପ୍ରକଳ୍କ ଅଧିକାରୀ ଅଞ୍ଚଳୀ ରୋଇ, ବରଣାଁ ଶିଶ୍ର ଦିକାଶ ପ୍ରକଳ୍ପ ଅଧିକାରୀ ସମ୍ୟାରାଣୀ ନାଏକ

ରେପ୍ରିପଡ଼ା ଶିଶ୍ର ବିକାଶ ପ୍ରକଳ୍ପର ଯଞ୍ଚସିନୀ ପଣ୍ଡା, ସଦର ଶିଶ୍ୱ ବିକାଶ ପ୍ରକଳ୍ପ ଯୋଜନା ଅଧିକାରୀ ବୃଥିକା ରଥ ପ୍ରମୁଖ ନିଜ ବଲ୍ଲବ୍ୟ ରଖିଥିଲେ । ୯ ଟି ଦ୍ୱଳର ୨୦ ଜଣ ଶିଶୁ ବିଳାଶ ସୋଳନା ସ୍ୱପରଭାଗଳର ଉପସ୍ଥିତ ଅଲେ। କଞ୍ଜି ଦିଖାନ କେନ୍ଦ୍ର ଜରଫରୁ ସମୟଙ୍କୁ ଅମୁଡଭଣା ଓ ସଜନୀ ତାରା ବ୍ୟକ କରାଯାଇଥିଲା । ପରେ ସେମାନେ କୃଷି ଦିଞ୍ଚାନ କେତ୍ରରେ ଥିବା ମହୁବାଷ, ଛତୁବାଷ, ଚାରା ଉତ୍ସାଦନ ଓ ଜିଆଖଡ ଅତି ବିଭିନ୍ନ ପ୍ରତର୍ଶନୀ କ୍ଷେତ୍ର ଦୁଇି ଦେଖୁଥିବା ଦେନେ ଦୈଜାନିକମାନେ ତାଙ୍କୁ ଜ୍ଞାନ କୌଷକ ପ୍ରଦାନ କରିଥିଲେ। କର୍ଷ୍ଣି ଦିଆନ କେବର ପୈଞ୍ଚାନିକ ତଃ ମନ୍ତନାଳ କମାର କେବା ବିଦେହ ମଣ୍ଡକ, ମୁହାଦା ବିଦ୍ୟମାଣ, ଅରୁଣ କ୍ରମାର ମିଶ୍ର, କମକ ଭୋଟନ ମହାନ୍ତ, କ୍ରମରଦର ସା. ଜିଗେଟ କ୍ଲମାର ସେଠୀ, ଜଳାନନ ଛନ ପୂମ୍ବଶ ସହାରତା ଯୋଗାଇ ଅଲେ



loci golar og mic neglock megg teposy e for com sur gependiginke.

बढ़क नोबनक करोनर, १००० कुछबंद वैद्याद्य विशवका नरीवन ନ୍ତୀ ନିଦୁ ଗତିପତି କୁମ୍ୟର ଅଧିକଳ ନିକୁ । ବହି ଅଟମ୍ବାର ନିନ୍ଦୁ ବିଜ୍ୟ ଦେବ ଅଧିକରୀ । ସିମ୍ବ ଦିବିତ ବୃତ୍ୟରୀ ଉକ୍ଟ୍ରୀ ଅନୁ ବଞ୍ ହାଁ ନିଜ୍ୟ ମନ୍ଦ୍ରଙ୍କ ଅଟମ୍ବାର ବୃତ୍ୟରୀ କଳେ । ଗୁଡିମ ବ୍ୟୁ ଅଞ୍ଚଳ ବିଲ୍ଲ ଗମ୍ମାର ଅନ୍ୟାର । ସାମ ଗମ୍ମର ଓ ସିଆରମ୍ଭ କୃତି ହେହିଥ ର୍ଗି । ଜନିମନ ବିରେଜରି ବହି ଦିଖନ ଜନ୍ମ । ଆଧାରତା ପଞ୍ଚା ଓ ଉଟ ସେତକା ଅତିହଳ । ଏହି ଜଣିକ୍ରମର ବହି ଦିଖନ ଜନ୍ମ ଶରିଷ ଓ ଆର ଅପ୍ରସ୍ତର୍ଗତ ସମ୍ପାର ମହିଳା ଦିବଳ । ଜୁନିକା ସେ । ପୁମୁଖ ବହୁନା ବହିଳିଲେ । ଏହି - ଭ. ମହନଳ ସହର, କ୍ରିକଡ୍ ମଞ୍ଚଳ, ସୁମ ନ୍ତ ଲନ୍ଦ ପୂଜା ବଳିଷ୍ଟ ସମ୍ପର୍ଜିଲ ଉପ୍ପର୍ଶିଲ । ପୂରତ ୨୦୦୧ ଅବହିତ ଥିଲୁ ବିଶାସ ସହିତ୍ରଣିତ । ବିଶାସଣ, ଅଞ୍ଚା ନିଞ୍ଚ କମଳ କୋତକ ମହ ନ୍ତ ଲନ୍ଦ ମହିତ୍ର ନିର୍ମ୍ମ ଅନ୍ତର୍ଶ୍ୱଳୟ । ସମଳ ସେଇଥିଲା ସ୍ଥିତି ବିଶାସ ଉଦ୍ଦେଶନ ପ୍ରଦ୍ଧ ନିର୍ମ୍ଦ ନ୍ତ୍ର ନିର୍ମ୍ଦ ନମ୍ଭ ନିରମ୍ଭ

ନରରେ, ବୋଧରାଇମିଶ୍-ବୃତ୍ତି ଓଅନୁସର୍ଦ୍ଦିକ । ଏହା ଶିଶୁଲା ବିଲୟରେ । ହିଲ୍ଲମନଙ୍କ କଲ୍ଲଆଇଥିଲା । ଏହା ହହା ଅହିଥି ଓ ଅ ମଳିକା ଅଧିକର୍ତ୍ତମୟତ ହୁଏଁ ହିଉଡ ୧୫୧୯

# ସମସ୍ୟା ସମାଧାନକୁ ଗୁରୁତ୍ୱ

ଦେବଗଡ଼ ଜିଲା

ଦେବଗଡ଼, ୧୭୮୧୨(ପି.ଏନ.ଏ.)

ଦେଶକ ହାନାୟ ବିକା ପ୍ରାମ୍ୟ କରସନ ସଂସା ସହିଳନୀ କଥରେ ଯୋଜନା ଓ ସମତ୍ୱୟ ମନ୍ତ୍ରୀ ରାଜେନ୍ତ୍ର ହୋଇକିଆଙ୍କ ଅଧ୍ୟକ୍ଷତାରେ ଶନିବାର ଅନୃଷ୍ଠିତ ୀ ରାଟେକ୍ସ ସୋଗାଟଥାବ ଶନିବାର ଅନୁଷ୍ଠିତ । ମନ୍ତ୍ରୀ ହୋଇଟିଆ ବିଭିନ ସୋଗନୀତ ହୁ ନେଇ ଉନ୍ନଗ୍ରମିଥି ୨ ଅଧିକାରୀଙ୍କ ମଧ୍ୟରେ ହୋଇପାଇଛି । ම්කාගේ මිනිස් වෙනත්ත හෝනාම්බලේ පෙන පෙල්වීම්වූ 8 ලුණක්මීම එමුකාගාක අපයෙ තොබලා අපහාකාග ත්රිත සොතුය අපලෙක පෙන කුල්ලකෙන් මේදින් 1 අමු 'මේදින්, එම්ම ජේරිත්වේ එළවාගේ තොබාකවුන සේරිත්වේ එළවාගේ තොබාකවුන සේරික්වේ එළවාගේ තත්වාගින් සේරික්වේ එළවාගේ පහතුවෙනි සේරික්වීම් අවසර පිරිස් ප්‍රතිකර අත්තුරු අපත්වාගණක් විමිස් තත්වේ

ସମଧାନ ନିମନ୍ତେ ପ୍ରସାସ କରିବା ଆବଶ୍ୟକତା ରହିଛି ବୋଲିସେ କସିଥିଲେ දෙවලමින් දෙලෙල මැ ବୃଷ୍ଟି, ଶୁଦ୍ର ଜନସେତନ, ବିଦୁଧ୍ୱର, ମସ ସୌଖରୀ, ବସୁଛରୀ ସୋଜନୀ, ମଧୁବା ପେନସନ, ଭିଲଣମ ପେନସନ, ଶିଞ ବଣରେ ବିଭାଗୁଣୀୟ ଅଧିନାରମାନୀ ବାହିଁ ସେପୁରିବର ବର୍ତିମା ବରିଥିବା ପ୍ରବାଶର ବିଭାଗନ ବେମେନ ହୁନ ପ୍ରବାଶର ବିଭାଗନ ବେମେନ ହୁନ ପ୍ରତାନ, ପ୍ରବଳ୍ପ ବିବର୍ଷକ କୁନାଗ ପ୍ରତାନ ସେ ପ୍ରବଳ୍ପ ବିବର୍ତ୍ତିକ କୁନାଗ ପ୍ରତାନ ଅଧିନାରମ ବନ୍ତମ ବିଭାଗନ ଅଧ୍ୟାଗର୍ତ୍ତମ କର୍ମିତ ଅଧ୍ୟାଗର୍ତ୍ତମ ବ୍ରତ୍ତମ

ଯୋଜନା କମିଟି ବୈଠକ



#### ବୈଜ୍ଞାନିକ ଉପଦେଷ୍ଟା ମଣ୍ଡଳୀ ବୈଠକ



OB BIGINDE PRÉPARA BORGO BO

අතිපදහස් අතුරුවේ මහතුරුවේ ඇදීමුණි වැ

ବ୍ୟଥାତୀର ଓ ମୃତ୍ୟପୁର ପଦାର୍ଥ ପ୍ରସ୍ଥଳି । ବ୍ୟୁ, ମୁଲିକା ପରିନାଳନୀ ଓ ସମନିକ ନା ବିଚାଳନା, ବୃଷି ଯାହାବରଣ, ବାଶେଯୁକ୍, କୃ ଦେଉତିକରଣ ପ୍ରେଲ୍ଲେନ ଫୁଲ୍ଲେନି ପରିବର୍ତ୍ତ ଗଳ ନିଆଇଳାର ହିନ ପ୍ରଥିଶଙ୍କା ପ୍ରହିଣ

### କୃଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରର ବୈଜ୍ଞାନିକ ଉପଦେଷ୍ଟା ମଣ୍ଡଳୀ ବୈଠକ



## ଦକ୍ଷତା ବୃଦ୍ଧି ତାଲିମ ଶିବିର ଉଦ୍ଯାପିତ

**ଦୂରରେନ୍.୬୯୬(ଏମିସ):** ରଚ. ୬୭. ଯାଇଥିଲା ଏଥିରେ ଦୁଖରାଥିମନଙ୍ ଦିନ ଜାବନର କଠରେଣୀ କରିନା ପାଇଁ କରିଥିଲା ଦୁରିଞ୍ଚାମ ମତଙ୍କ ନରା ପୁରୁ ନରିବରୁ ଭାମର ଜିଲା କୃତି ଦିଲାନ ଛତୁରୁ ପୂର୍ବ ଛତୁ ଅନାର ଛତୁ ବଡ଼ି ପରେଟ୍ ଆନ୍ନି, ପିସି ପାରତ୍ ପାନ୍ନି ଚେଇଥିବା ସମଞ୍ଜ ଉତ୍ପରତ୍କ ପ୍ରଶିଶର୍ଥ ଓ ଜେନ୍ତ ଓଡ଼ିପରରେ ଚଲିଥିବା ବଞ୍ଚତା ବୃଦ୍ଧି । ଜନ୍ମ ପାମନ୍, ଜନ୍ମ ପରେନ୍ତା ଜନ୍ମ ସୂହ୍ନ । ଆଦି ସମ୍ପର୍ଗର ମଧ୍ୟ ହିଆ ପରଥିବା । ଅନ୍ୟବମ ଚାଜିମ ବାହାନ ମଧ୍ୟର ବଞ୍ଚନ ଚଳିମ୍ ଶିବିର ଜବିବାର ଉଦସାସିତ ହୋଇ ପାରତ୍ୱର, ଛକୁ ସୂର, ଶୁଖ୍ରର ଛକୁ ଆଦି କୃଷି ଦିଖାତ ହେଲୁର ବରିଷ୍କ ହୌଷାତିକ କରାଯାଇ ମ୍ୱନାକତ ପରେ ପ୍ରମଣପକ୍ର ପରଛି। ଗ୍ରାମ ଶିଶିତ ପ୍ରତ୍ୟ ପୂଦନୀଙ୍କୁ ବିଭିନ୍ନ ମୂଳାପୁର ଦୁବା ପୁଷ୍ଟଳି ବିଷରରେ । ମୂଖ୍ୟ ହା ଲଷାଦ୍ରିୟ ପ୍ରଧାନ ମୂଖ୍ୟ ପ୍ରତାନ । କରା ପାଇଥିଲା । ହେଉ ରଦେଏଣା ଗୁରି କରିବା ଓ ରୋଜସାରର । ବହିଶେଷ ନାଳିମ୍ ପ୍ରଦାନକରା ଯାଉଥିଲା । ପ୍ରଶିଷକ ଭାବରେ ଚାଳିମ୍ ପ୍ରଦାନ କରିଥିବା । ବାର୍ଯ୍ୟକ୍ତମ ସହାଗଳ ଦ୍ୱିଦାହା ଦିବାହାଣ,

ପତ୍ରା ଲତେ ଧ୍ୱଳିତା ଛତୁରୁ ପୁଷ୍ଟଳ ବେହିପରି ପ୍ରଶିଷର୍ଥ ମତମ ପୁଲିକାଳ ଦେଉଟ ମୃତିକା ଦୈଷାଦିକ ଜଣ ମତମଳ ଅନୁଖ କୂମର ନିଣ୍ଡ କମଳ ଲୋକଟ ମୁନାପୁକୁ ଉପ୍ନତ ଉପରେ ନିଲ୍ଲାର ବିଭିନ୍ନ ମାଧ୍ୟମରେ ବିଜନ ତିଆରି ବରି ଜାନ କୁମାର ବେଳା, ଫମୁସରଣ ହୈଲାଚିକ ମହାକ୍, ନିରେକ୍ର ବେଠା, କୁମରବର ଦୁରରୁ ୨୫ ଜଣ ଅଲ୍ଲମ ଯୁଦ୍ୟାଙ୍ଗକୁ କୌଶକ ଆଉରଣ କରିଥିଲେ। ବିହିଁ ଚେଉଁକ୍ ନେମସ୍ ବାସେ ବାହିମ ସ ଓ ଗଳାବନ ଛକ ସମୁଖ କାର୍ଯ୍ୟକ୍ର ଗେଲ ଏହି ଚଲିମ୍ ଖିଦିର ଆୟୋଳନ କରା । ଗେଲପରୁମଣ୍ଡମ ଛତୁକ୍ କିପରି ଅଧ୍ୟକ । ସହଯେତ କରି ପ୍ରଶିଷର୍ଥମମନକୁ ଉପ୍ଲାଚିତ । ପରିନାକନାରେ ସହଯେତ କରିଥିଲେ ।

# ମୂଲ୍ୟଯୁକ୍ତ ଉତ୍ପାଦ ଦକ୍ଷତା ବୃଦ୍ଧିକୁ ଗୁରୁତ୍ୱ

the goe going acress of ଅଟ ପ୍ରକଳ୍ପ ହେବ ଓଡ଼ିଆ ସମ୍ବର ଆକ୍ଷେତ୍ତର ଅଧି କରେ ଓଡ଼ିଆ ସମ୍ବର RECORD VARIABLE AND DECISION oo eli olon Montaneo क्षा देवेश महासूह दूरा बावरे व १०८ को रहे के कर १६६ १८०७ को की करान के ही १८०७ की की कार्यकर की ο δηδιού αιο εύτο ημο

ମଧ୍ୟ ମଧିନ ପ୍ରମନ ପର୍ଚ୍ଚର ସମ gitatig cook obser सार अदरह अहंगान अर् भू प्रसार प्रकार पात प्रमुख स्थापका र प्रमाण क्षेत्रण श्रम् क्षेत्र व्यक्त स्ट्रिड्ड, शृंक्षस्ट्री कृष्ट्य स्ट्रिज्यत्, स्ट्रिज्यत्, स्ट्रिड्ड COLOGORAS ASTORBES क्टाक्टि काला विका कुरसार कटाक्टि । क्ट्रिक्ट्रिक्टा करता ημείστελη καρομούσου (2), 9/00/04/1/200

#### ଜଆଖଡ ଓ ଚାଷ ସମ୍ପକିତ ତାଲିମ ଶିବିର

ହଳ ପରିବରରେ କା ଦିବସାଯା ହିଆନାର ଓ ଦିଆଏକ ସମ୍ପରିକ ତା ବୃଦ୍ଧି ଚାଲିମ ନିରିକ କତ୍ୱଯାପିତ କୋଇଯାଇଥି । ଗ୍ରମୀଶ

ଶିଷିତ ଯହଳ ଯହତୀଙ୍କ ଉଦ୍ୟେସ କରିକା ଏକ ଜଳପାଳର ପାଥା ଜାବେ ම්කල්ක ය මක්කල ନସାଦନକୁ ଗ୍ରହଣ କରିକ ଇଞ୍ଜାନେଇ ଜିଲାର ବିଭିନ୍ନ କଶଆଲ୍ଲୀ (ଜନାଖାକୁ ନେଇ ଚାରି) ବିଜ ଆଦ କଳର ୨୦ ଜଣ ଆଗାବ IRRORDIS

ଆତାଞ୍ଚ ଓ ଜିଆହାତ ଉତ୍ୟାଦନ ସମ୍ବମଣ ବିଜିଲ ହାନରଣିଏକ ଯଥା କିଥାବନ ପାଇଁ ଜନସେବା ହିଆ ଆକ୍ଷାକ ଜନକରଣ ପୁଷ୍ଟୁତି ପ୍ରତାଳୀ, ତିଲିକ୍କ ଫସରରେ ପ୍ରୟେମ ହିଥି ଜିଆର ବଂଶ ବୃଦ୍ଧି, ଚିକ୍ରିବଟୀ, ସରକାରୀ ଯୋଜନୀ ଓ ସୁହିଥା ସୁଯୋଗ ଆଦି saco ତାରିମ୍ ଦିଆସିହା ସହିତ ପ୍ରାକୃତ୍ୟାର ମାଧ୍ୟମରେ ଞାଳ ନିଜନ୍ନ ପ୍ରଦର୍ଶନ କରାଯାଉଥିଲା । କୃଷି ବିଞାନ ବେଶର ମୃତିକା ସିଲ୍ଲାବିକ ର ମନ୍ତନାଳ କମାର ରଚନା ମଧ୍ୟା ପଣିକ୍ଷକ ରାବେ

ପୁରରଗତ୍ନ ମ ।ଏ(କାର୍ଯ୍ୟାଳୟ): ବିରେଇଞ୍ଜିନ ତିଳା କୃଷି ବିଞ୍ଚାନ । ଇଞ୍ଚାସିଣ ପ୍ରଧାନ, ସଂପ୍ରସାରଣ ଦୈଞ୍ଚାତିକ ରେଭିଟ୍ ଲେମସ୍ ବାର ତାଳିମ୍ ପ୍ରତାନ ଉଦିଥିଲେ ।ଶିତିବର ୭୬ ତିତସରେ ପୁରଉଷର ଲୋଗରା କୁବର ସଲପତି ଜା ଦିଲୀପ କୁମର ଅନୁଣ୍ଠୀ, ସମ୍ପାଦନ



ବାଳଗୋପାଳ ମିଶ୍ର ସଭା ତଃ, ବିରହତ ବୟ, ସମୀର କୁମାର କର ଶରେଜ ମହାପାଟ ଯୋଗଦେଇ ତାଖାଙ୍କ ଜବଦେଧନ ଦେଇଥିବ ପୁର୍ତ୍ତିକା, ନିଆ ଓ ପ୍ରମାଣପତ୍ର ପ୍ରଦାନ କରାଯାଇଥିଲା । ନାରିତ ଷିଦିରରେ କେନ୍ତର ଦୈଷାନିକ ତଃ ଦିନେୟମୁ ମଣ୍ଡଳ, ନାଯ୍ୟକ୍ରମ ସହାୟକ ମୁଦ୍ୟଦା ଦିବାଳାଥ, ଅନୁଶ କୁମାର ମିଣ୍ଡ, ୱେଲୋ ନମନ ରୋଗଳ ମହାର, କର୍ମାରାଣା କିଲେନ୍ସ ଗୋଠା, ଜଳାନନ ଛଣ

### କ୍ଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ଜିଆଚାଷ ଦକ୍ଷତା ବୃଦ୍ଧି ତାଲିମ

ପୁବଚାଷୀଙ୍କୁ ନେଇ ଏହି ଡାଲିମ୍ ଶିବିର ଆୟୋଳିତ ହାଇଥିଲା । ପ୍ରଶିକ୍ଷାର୍ଥୀମାନଙ୍କୁ ନିଆଚାଷ ଓ ନିଆଖଡ ମପ୍ରାଦନ ସମ୍ବନ୍ଧୀୟ ବିଭିନ୍ନ ଜ୍ଞାନକୌଶଳ, ସରକାରୀ ପୋଳନା ଓ ସୁଦିଧା ସୁପୋଗ ଆଦି ଦିଷଯରେ ତାଲିମ୍ ପଦାଳ ଜରାଯିଁବା ସହିତ ତ୍ୟବହାରିକ ଜ୍ଞାନରୌଶନ ପ୍ରବର୍ତ୍ତନ କରାଯାଇଥିଲା କୃଷିଦିଶାନ କେନ୍ଦ୍ର ମୃତିକା

ସ୍ୱନ୍ଦରଗଡ଼,୨୮ । ୧ (ଉମିସ): କିରେଇପ୍ଲ ଜିଲ୍ଲା କ୍ଷିଦିଜ୍ଞାନ ବୌଷ୍ଟାଳିକ ଡ. ମନୋନ କ୍ରମାର ନେନା ତାଳିମ ପ୍ରତା ବେଦ ପରିମରରେ ଏକ ଡିବିକମୀୟ କଥାଚା ବୃଦ୍ଧି ଚାଲିମ । କରିଥିଲେ । ବରିଷ୍ଟ ବୈଷାଳିକ ଓ ମୁଖ୍ୟ ତ. ରଥାଁପିନ୍ଦ ହିରିର ଆୟୋଜିତ ହୋଇଥାଇଥି ଗ୍ରାମୀଣ ଶିଥିତ ସୁଧାନ, ସଂପ୍ରଦାରଣ ବୈଜ୍ଞାନିକ ଡେଲିଡ ଜେମସ ବାଶ ପୁଦଳଯୁବତୀଙ୍କୁ ଉଦ୍ୟୋଗୀ କରିବା ଓ ଗୋନଗାରର ପଲା ୍ଦ ଉମ୍ମହିତ କରିଥିଲେ। ତାଲିମର ବିତୀୟଦିନରେ ସ୍ୱନ୍ଦରଗଡ଼ । ଏକେ ଳିଆଚାଷ ଓ ନିଆଖଡ ଉତ୍ପାଦନକୁ ଗ୍ରହଣ କରିଛା । ରୋଟାରି କୁକ୍ ସଭାପତି, ସମ୍ପାଦକ ଓ ସଭ୍ୟମାନେ ଯୋଜ ଯ୍ୟ ନେଇ ଜିଲ୍ଲାର ବିଭିନ୍ନ ଦୂର୍ତ୍ର ୨୦ ଜଣ ଅଗ୍ରହୀ ଦେଇଥିଲେ ପ୍ରଶିଷଣ ଶେଷରେ ପ୍ରଶିଷାର୍ଥୀମାନଙ୍କର ମୂଲ୍ୟାୟନ କରାଯାଇ ଡାଲିମ ପୁସ୍ତିକା, ନିଆ ଓ ପ୍ରମାଣପଞ୍ ପ୍ରଦାନ କରାଯାଇଥିଲା ଶିବିରକୁ କେନ୍ଦ୍ରର ବୈଜ୍ଞାନିକ ଚ ବିବେଏକୁ ମଞ୍ଚଳ ପରିତାଳନା କରିଥିବାବେଳେ ମୁଦାଡ଼ ବିବ୍ୟନାଥ, ଅରୁଣ କୁମାର ମିଶ୍ର, କମଳଲୋଚନ ମହାକ୍ର ଜିତେନ୍ଦ୍ର ସେଠୀ, ଭ୍ରମରଦର ସା, ଗଳାନନ ଛନ୍ଦ ପ୍ରମୁଖ ସହଯୋଗ କରିଥିଲେ

### କ୍ଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରର ଜାତୀୟ ସ୍ପଚ୍ଛତା ଅଭିଯାନ



ପୁଦରଗଡ଼,୧୯୮୧୦ (ଜମିସ): ସ୍ୱଳ୍ପତା ଆଡକୁ ପାଟେ ଆଗକୁ ନାରା ଦେଇ ସୁନ୍ଦରଗଡ଼ ନିଲ୍ଲା ନିରେଇସିନ ନୁଷି ବିଶାନ ହେନ୍ଦ୍ର ପଥରୁ ଜାତୀୟ ସ୍ୱଳ୍ପତା ଅଭିଯାନ ଅନ୍ତର୍ଗତ ବିଭିନ୍ନ କାର୍ଯ୍ୟକ୍ରମ ହାତକୁ ନିଆଯାଉଛି। ର୍ଭିତ୍ର ସମୟରେ କୃଷି ଦିୱାନ କେନ୍ଦ୍ର ପରିବରରେ ର୍ମଦାରୀ ଓ ପାଖର୍ଗ୍ରମର ମହିଳା ଦାଞ୍ଚାଙ୍କ ଦ୍ୱାରା କୃଷି ନିଷିତ୍ର ବର୍ତ୍ତ୍ୟବସ୍ଥର ଏଗଡ଼୍ରାଜଗଣ ଓ ପରିକାଳନା ଏବଂ ପ୍ରବର୍ଶନୀଗୃହ ଯଥା<sup>-</sup> ଅନୁଗୃହ, କୁରୁତା ଘର, ଜଦନୀ କରିତା, ଆୟାଗୃହ, ମାଛ ପେଖାରୀ ହୃତା ଆଦି ପରିଷ୍ଠାର ଜଗାଯାଇଥିଲା ଏହି ନାର୍ଯ୍ୟକମରେ କଷି ଷାନ ରେନ୍ତରୁ ବାହାରିଥିବା ନୈତିକ ବର୍ଯ୍ୟବସ୍ଥର ିଶିଆଖତ ପ୍ରସ୍ଥୁଡିରେ ବ୍ୟବହାର ପର୍ଚ୍ଚବ୍ୟବହାର

କରାଯାଉଥି ସେହିପରି ସରକ ବୃକ୍ ଅନ୍ତର୍ଗତ ମଝାପତ ପଞ୍ଚାୟତ ମେହାପ୍ରାମରେ ସ୍ୱଳ୍ପତା ସତେତନତା କାର୍ଯ୍ୟକ୍ର ଅନୁଷ୍ଠିତ ହୋଇଥିଲା । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ମେଲ୍ଲା ଗାମର ଗ୍ରାମିକାସୀ, ଗ୍ରେହାସେକୀ, କୃଷିକ ଉତ୍ସାଦକ ସଂଗଠନର କର୍ମାଇର୍ତ୍ତା ଅତି ସୋଗ ଦେଇ ମଣିର ପ୍ରାଙ୍ଗଣ, ପ୍ରାମ ରାସ୍ତା, କୃଷ, ବିଦ୍ୟାଳୟ ଓ ସାପ୍ତାନିକ ବିନାର ପରିଷ ସନ୍ୟାତି ପରିଷ୍ଠାର ଉତିଥିଲେ ଏହି ଅବସରରେ କର୍ବ ବିଷାର ଜେନ ବୈଷାତିକଙ୍କ ଚାରା ଚଳିତିକ ଓ ଅନ୍ୟର କର୍ଜ୍ୟବସ୍ଥ ମୁପରିଚାଳନା ଓ ପ୍ରନର୍ଦ୍ୟବହାର ଉପରେ ଏକ ମିତ୍ରେକ୍ତର ଆଲୋକନା ମନ ଲକ୍ତକ୍ଷଦନ କିରେଲ, କୁରେଲନାନି ଆଦି ଗ୍ରାମରେ ଡଷ୍ଟନିନ କଣ କରାଯାଇଥିଲା

#### କୃଷି ବିଞ୍ଚାନ କେନ୍ଦ୍ର ପକ୍ଷରୁ ଜାତୀୟ ସ୍ତନ୍ଥତା ଅଭିଯାନ



ය අදහ ප්රියද පසුරු රට්ටු සේමලා අපල විසාගමේ මේ අතර පුත විපත්ත ඉති විසා පෙද පුර්ණය පරිභෝග ග ර ගමන පතුත දක් මිසිම වෙමතු සේලාගේ ප්රතිකාව or apge, gogo da, on arridor, acade, ma obesti gor mili හා පළමුණු අමුදුරුත්, පැහැස ප්‍රතිස අත් අතර පත්‍රත්‍ර අත්තිසුග් සිටිම පේත්‍ර අත්තිසුග් සිටිම පේත්‍ර අත්තිසුග් සිටිම පේත්‍ර අත්තිස් යළ පරේෂණ දෙන ගමර මිලා සාදර්ග දෙලාසහ රාජ සෙව්ද දේවලට ද සහවත පේලෙදුව දුන්නතන ව දුවිපත්තය සහව ය සහවතට සහගත්තලේ සුද්ධ වෙනුවුවට වේ සංවරයට පේලෙදුව දැන්නේ පස්ථිව සහ වෙනුව ඉන්න මෙය ගතකුතර කාලනයක. කෙකුලුක මහතුක ඉහළුගේ පුර නයා ඒ අදහ සොහෙස හා සොසසුනේ වුද ්දේශය අමුද්ධ අද අද අත්විය අදේශය අමුද්ධ අද්දේශය අදේශය

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### କ୍ଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରର ଜାତୀୟ ସ୍ପଚ୍ଛତା ଅଭଯାନ



ଜଳ ନଥାରେ (ଜଳିଆ: ସ୍ୱଳା ଅନନ୍ ପରେ ବ୍ରତିକ୍ଷର ବ୍ରତ୍ୟକ୍ତ କ୍ରଣ କ୍ରିକ୍ଟେକ୍ଟ ଦିଖନ ବେନ ପଞ୍ଚର ନାଡାଣ ବୃହତା ଅଭିଯାନ ଦିଉଟ୍ ଜାର୍ଯ୍ୟନ୍ତମ ହାନକୁ ନିଆଯାଇଥି ଅନ୍ୟରେ କୃଷି ଦିଲାକ କେନ୍ତ୍ର ପରିବଦରେ ରୀ ଓ ପାଏଗ୍ରମର ମହିନା ଦାଞ୍ଚାଙ୍ଗ ଦ୍ୱାରା କୃଷି ର୍ଜି ବର୍ଣ୍ଣବପୁର ଏହନ୍ତୀବରଣ ଓ ପରିକାନନା ୯ ପ୍ରଚଣ୍ଡନୀପ୍ରଜ ଯଥା ଛତ୍ରମ୍ଭ, କୁକୁଡ଼ା ପର, ନ୍ତୀ ପରିତା, ଛାଯାତ୍ୱର, ମାଛ ପେଖମୀ ହୁଡା ଆଦି ଜନ ମଧ୍ୟର ହିନ । ମଧ୍ୟର୍ଥରେ ବ୍ୟବ no ବେନ୍ତରୁ ବାହାରିଥିବା ଦୈବ ବର୍ଯ୍ୟବସ୍ଥର ଜିଆରେ ପୁସୁହିରେ ବ୍ୟବହାର କରାଯାଉଥିଲା

ଜଣାଯାଉଁଥି ସେହିନ୍ତି ସହର ବୃହ ଅନ୍ତର୍ଜନ CHA LEGGESTE LEGG USE DELL'AUTO GORGE ଅନୁଷ୍ଠିତ ହୋଇଥିଲା ଏହି ବାର୍ଯ୍ୟକୁମରେ ମେବା ବ୍ CIPCIST, ENGISERAL, GOD DISSES STO କର୍ମକର୍ଣ୍ଣ ଅତି ଯୋଗ ହେଇ ମଧିର ଫ୍ରଙ୍ଗଣ, ବ ଜଣ୍ଡା, କୃଷ୍ଣ, ବିଦ୍ୟାଳୟ ଓ ସମ୍ମୟିତ ବଳାଳ ଓ ଇତ୍ୟାଦି ପରିଷ୍ଠାର ବରିଥିଲେ ଏହି ଅବସ୍ଥରେ ଦିଶାନ ସେନ୍ ଦେଖନିକଙ୍କ ଦ୍ୱାରା ସେହିକ ଓ ଆ वर्तावयु यूवर्ववावा व यूवर्ववावाव वव 48 0500001 DESIGN 02 0195 depa, geograph to giren equip of

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#### ଦ୍ରର୍ନୀତି ନିବାରଣ ସଚେତନତା ସସ୍ତାହ

ସ୍କ୍ରହରଗଢ଼,ମହହ(ସମିସ): ଦୁର୍ନାତି ନିଦାରଣ ସନେତନତା ସମ୍ମାନ ଅନସରରେ ସ୍ଥାନୀୟ କିରେଇ ସ୍ଥିତ କୃଷି ବିଜ୍ଞାନ କେତ୍ରରେ ଶପଥ ପାଠ କାର୍ଯ୍ୟକମ ଆୟୋକିତ ହୋଇପାଇଛି । କୃଷି ବିଷାନ କେନ୍ତର ସମଷ୍ତ କର୍ମଚାରୀଙ୍କ ହାରା ଦେଶର ଅର୍ଥିକ, ରାଳନୌତିକ ଓ ସାମାଳିକ ପ୍ରଗତିରେ ବାଧକ ହେଉଥିବା ଦୁର୍ମାତିର ମକୋପାଟନ ନିମରେ ସମୟେ ଏକକୁ ହୋଇ କାର୍ଯ୍ୟକରିବା ପାଇଁ ଶପଥ ନେଇଥିଲେ । ଏହା ସହିତ ପ୍ରତ୍ୟେକ ନାଗରିକ ସବୁ ସମୟରେ ସଚର୍କତ। ସହିତ ସର୍ବାଧିକ ସାଧିତା ଓ ସତ୍ୟନିଷାରେ ପ୍ରତିବଦ ରହି ଦୁର୍ମୀତି ବିରୁଦ୍ଧରେ ସଂଗ୍ରାମକୁ ସମର୍ଥନ କରିବାକୁ ପଣ କରିଥିଲେ । କୃଷି ବିଷାନ କେତ୍ରର ମୁଖା ବୈଷାନିକା ତ୍ୟ ନଷାପ୍ରିୟ ପ୍ରଧାନ ବୈଷାନିକ ଓ କର୍ମଚାରୀଙ୍କୁ କାର୍ଯ୍ୟକରର ବାର୍ଯ୍ୟକ୍ ସାଧିତା ଏବଂ ସହତାର ସହ ସମ୍ପାଦନ କରିବା, ନିଜର ବ୍ୟକ୍ତିଗତ ଆଚରଣରେ ଦୁଷାତ୍ରମୂଳକ ସାଧୁତା ବଳାୟ ରଖିବା ଓ ଜୀବନର ପ୍ରତ୍ୟେକ କ୍ଷେତ୍ରରେ ସହୋଟତା ଏବଂ ଆଇନର ଶାସନକୁ ଅନୁପାତନ କରିବା ପାଇଁ ଆହାନ ଜଣାଇଥିଲେ।

### <sup>ବିଶ୍ୱାବ୍ୟ</sup> ଖାଦ୍ୟାଭାବ, ଅପଚୟ, ଅପମିଶ୍ରଣ ସଚେତନତା

ପ୍ରତର୍ଗର, ୧୬୧୯ (ସମିସ୍): ବିଷ୍ଠେ ସମ୍ପର୍ଶର ହେ ବାର୍ଯ୍ୟର ଜନସର ବାର୍ଯ୍ୟର ପ୍ରଥମ ଅଧିକ ସମ୍ପର୍ଶ ବାର୍ମ୍ୟର ପ୍ରଥମ ବ୍ୟକ୍ତ ହେ ବାର୍ଯ୍ୟର ପ୍ରଥମ ବ୍ୟକ୍ତ ହେ ବାର୍ଯ୍ୟର ପ୍ରଥମ ବ୍ୟକ୍ତ ହେ ବାର୍ଯ୍ୟର ବ୍ୟକ୍ତ ହେ ବାର୍ୟର ହେ ବାର୍ଯ୍ୟର ବ୍ୟକ୍ତ ହେ ବାର୍ଯ୍ୟର ବ୍ୟକ୍ତ ହେ ବାର୍ଯ୍ୟର ବ୍ୟକ୍ତ ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ବ୍ୟକ୍ତ ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ମର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ୟର ହେ ବାର୍ଯ ହେ ବାର୍ୟର ହେ ବାର୍ଯ୍ୟର ହେ ବାର୍ୟର ହେ ବା ବ୍ରିକରଣ ଓ ସେଖଣ ନିରୟରା ରଖରତର ରଦିବାର ସ୍ଥାନୀୟ କୃଷି । ସେଖନିକ ଏବଂ ମୂଖ୍ୟ କ. କଥାପ୍ରିୟ ପ୍ରଧାନ ଖବ୍ୟ ନିରୟରା ପଇଁ ଦିଷାନାନେ ପଞ୍ଚଳ ସହର ସ୍ୱଦର୍ଶିତ କୁରେଲନ୍ତି ସାମରେ ଦିସ । ସେଖଣପୁର ଖଦ୍ୟ ସହଣ, ସେଖନପୁର ଖଦ୍ୟ ନନିତ ଦିରିନ୍ନ ଫସର ଖାବ୍ୟ ଦିବସ ପାଳିତ ହୋଇଥି । ଏଥିରେ କୃତିନିଷାନ କେନ୍ତର ମୂର୍ତ୍ତିନା । ଉତ୍ପାଦନ, ଖୀବ୍ୟ ଅପରସା ଓ ଖୀବ୍ୟ ଅପମିଶ୍ରଣ ଉପରେ ଆରୋବାନା ଦ୍ରୈଷ୍ଟନିକ ଜ. ମନ୍ତେଳ କ୍ରମାର ଜେନା ଏହି ଦିବସ ପାଳନର ଲଖା ଓ । କରିଥିଲେ । ଏହି ଅନସରରେ ସ୍ଥଳତା ଉପରେ ମଧ୍ୟ ଉଦ୍ଦେଶନତା ଅଭିନୁଖା ଉପରେ ଅଲୋକପତ କରିଥିଲେ। କଳିଷ୍କ ମହା ଅଧିକାରୀ । କରାପଇଥିଲା । ଏଥିରେ କୁଦେଇକାଳି ଓ ଅଖପାଟ ଲ୍ଲାମର ୫୦ ଜୋଗୁମସ ଦାସ ଦୁଖ୍ୟ ଖଦାରେ ମନ୍ଦର କୂମିକାଓ ମହା ବିକାରର । ଜଣ ମନ୍ଦିନା ଓ ପୁରୁଷ ଅଂଶର୍ବଣ କରିଥିଲେ । ବହାଣକ ଅରୁଣ ନିଶ୍ର ପେଳନା ଉପରେ ତୁଏଲଥିଲେ । କୃତି ବିଷାନରେତ୍ରର କାର୍ଯାକ୍ରମ । ଧନ୍ୟନାନ ଦେଇଥିଲେ । କୃତି ବିଷାନ କେତ୍ରର ଶୌଷାନିକ କ୍ରିକେଡ୍ ସହାୟକ ମୁହାନା ବିବ୍ୟନଥ ବିଗତ ବିନୟେ ଥିବା ସୁଷମ ଝାବାର । ନଣ୍ଡଳ, କମଳକୋତନ ମହଲ୍ଲ ଲୁମନେଜସା, ଜିଗେକ୍ର ଲୁମାଇସୋଠା, ଅଞ୍ଚନତା ବିଷରରେ ମନ୍ତମ୍ୟ ରଖୁଥିଲେ। ଏହୁହିଁ କୃଷନ ଉପ୍ନତନ । ସହାନନ ଛଦ ଓ ଗ୍ରମର ଯୋଗେଶ୍ୱର ନାରେ, ଶ୍ରବଣ କୁମର ନାଏକ 

### 'ସକ୍ଷମ ଖାଦ୍ୟର ଅଭାବ ଓ ଅଜ୍ଞାନତା ହିଁ ଅପପଷ୍ଟିର କାରଣ'

र्वेड <del>वेबार १६०५ १००० १००० १०००</del> procesi greco ún eros Gua son escació erosou, eros forciu, acona e acoligio annesi VOIC (ME) CON DO CONSE SECUL ti ara tagén di eldiginta eta in imo coo nico alimbo a nono report a real about de recipi න අර්ග යාල්ටම පරවෙන කර Buch savignal oral gan slove прости и при удор варог пироси обдир восо



dura materiale france desperiale de la compansión de la c







ଗଡ଼,୧୬)୧୦(କାର୍ଯ୍ୟକ୍ଷ): ସାହର ଦୂଳ ଅନ୍ତର୍ଗତ ଜାନି ଗ୍ରମରେ ବିରେଇ ସିତ କୃଷି ବିଲ୍ଲାନ ବେଳ ପଞ୍ଚର୍ ଥାବ୍ୟ ଦିବ ସ ପାଳିତ ହୋଇଯାଇଛି । କୃଷି ଦିଞ୍ଚାନ କେନ୍ତର ମ ବୈଷ୍ଟାନିକ ତଃ ମନୋଳ କୁମାର ଜେନା କାର୍ଯାକ୍ରମରେ ଗତେଲ ଏହି ତିବାସ ପାଳନର ଲକ୍ଷ୍ୟ ଓ ଆଲିମୁଖ୍ୟ ର୍ଗରେ ଆଲୋକପ୍ରାତ କରିଥିଲେ । କଳିଷ୍ଟ ମହ୍ୟ ଅଧିକାରୀ ଏହାମଣା ଦାସା ସୁଖମ ଖାଦ୍ୟରେ ମାଛର ଜୁମିକା ଓ ମସ୍ୟ ।ଶର ସୋଳନୀ ଉପରେ କହିଥିଲେ ।ଜୁଞ୍ଜି ଦିଞ୍ଚାନ କେନ୍ତର ର୍ଥ୍ୟରେ ସହାୟକ ମତାବା ବିବ୍ୟନାଥ ସଞ୍ଚମ ଖାତ୍ୟର ତ। ଓ ଉଷ୍ଟୋନଙ୍କର ଅପପଞ୍ଜିର ପରିବର୍ତ୍ତନ ସଂପର୍ନରେ ଅଲେ । ସାରହି କଷକ ଉପାବକ ସଂସ୍ଥାର କର୍ମକର୍ତ୍ତ। ଏହ

ଆହାନକରିଥିଲେ । କୃଷି ବିଷ୍ଥାନ କେନ୍ତର ବରିଷ୍ଠ ହୈଛାନିକ ମୁଖ୍ୟ ତଃ ଲକ୍ଷୀପ୍ରିୟା ପ୍ରଧାନ ଖାଦ୍ୟ ନିରାପତା ନିମ ପୋଷଶଯୁକ୍ତ ଖାଦ୍ୟ ଗ୍ରହଣ, ପୋଷଶଯୁକ୍ତ ଖାଦ୍ୟ ପସ ଉତ୍ସାଦନ , ଖାଦ୍ୟ ଅପଶର ଓ ଖାଦ୍ୟ ଅପମିଶ୍ରଣ ଉପଶ ଆରୋଜପତ କରିଥିଲେ । ଏହି ଅବସରରେ ସ୍ୱଳ୍ପ ଜପ ଉତ୍ତେଶର କରାଯାଇଥିବା । ଜାର୍ଯ୍ୟମ ବହାରକ ଅନୁଶ ଧନ୍ୟଦାବ ବେଇଥରେ । ନାର୍ଯ୍ୟନମ ଆୟୋଜନରେ କଞ୍ଚି ଦିନ୍ତ ରେଞ୍ଜର ସୈଞ୍ଜନିକ ହିତେକୁ ମଣ୍ଡଳ, କମଳ ଗୋଟନ ମଧ୍ୟ କୁମରତେ ସା, କିତେକୁ ଗୁମାର ହେଥା, ସମାନନ ଶଳ ଓ ସ୍ଥର ଯୋଗେଷ୍ଟର କାଲୋ, ଶ୍ରବଣ କୁମାର ନାଏକ ସ୍ଥିର କୁମି ବ୍ରହଣ କରିଥିଲେ । କାର୍ଯ୍ୟକ୍ରମରେ କୁତେଇଳାନି ଓ ଅଞ୍ଚର

#### ଜିଲ୍ଲାୟରୀୟ ବିଶ୍ୱ ମସ୍ଥ୍ୟ ଦିବସ ପାଳିତ



### ଗ୍ରାମାଞ୍ଚଳ ମହିଳାଙ୍କୁ ୟାବଲୟୀ ଲାଗି ମହୁଚାଷ ଭପରେ ତାଲିମ

ଇଥି। ତାର୍ପ 1 ବର୍ଷ ହେବ ଉଦିବ ଶତ ଲୋକ ଅର୍ଗ୍ରନ ଲବେ ଉଦି ସହିବା । ପର ବେଲେବା ସେମାନଙ୍କ ସାଇଁ ନିଜନ ସାଠ ହେଲଥି। ଏହି ବ୍ୟୟରେ පස්තර ප්රතාපයේ එයෙය. ප්රති කියල කියල් ජ්රෙක්ර tane other ବେଳ ମହିଳ ନହିନ୍ତ ବର୍ଷର ବର୍ଷର ସମ ପ୍ରଦାନ ବର୍ଷିତ ବ୍ୟସ୍ତ ବ୍ୟସ



ବ୍ରଥିଲ ଅଟ ପ୍ରମାୟ ୨୬ ବର୍ଷ ଅଧ୍ୟୟକ୍ତ । ବ୍ରଥିଲ ପ୍ରକଟ ବର୍ଷ ଅଷ୍ଟେମ୍ବର ପ୍ରକ୍ର କଳ ଓଡ଼ି ପରେ ଜଣାଯାଇଥିଲା । ଏହି ପରି । ବର୍ଷ ପ୍ରବର ବର୍ଷ ଅଧ୍ୟୟକ୍ତ । ଏହି ପରି । ବ୍ରଥିଲ୍ଲବର । ଏହିଲ ବ୍ରଥିଲା ବ୍ରଥିଲା ବ୍ରଥିଲା ବ୍ରଥିଲା ବ୍ରଥିଲା ବ୍ରଥମ ବ୍ରଥିଲା ବ୍ରଥିଲା ବ୍ରଥମ ପ୍ରଥମ ଅଧ୍ୟୟକ୍ତ । ca cucca upound sego oper Desirable responsi novieta (secola a puesto commo agita) a deficio estado estad





#### କୃଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପେଟ୍ୱୋଲିନ୍ଦମ ସଂରକ୍ଷଣ କୃଷି କମର୍ଶାଳ।

piedo esides



# ପେଟ୍ରୋଲିୟମ ସଂରକ୍ଷଣ କୃଷି କର୍ମଶାଳା

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#### ଫୁଲଧୁଡ଼ିରେ ଖାଦ୍ୟ ଓ ପୋଷଣ ସଂପର୍କିତ ଆଲୋଚନାଚକ୍ର



groop verr (activos): descrito yél éspo-SON CONTRACTOR SELECTION SING DOCTOROW ଅବସ୍ଥେତ ଅନ୍ତର୍ଗତ ବୃକ୍ତ ପ୍ରଲକ୍ତି ପ୍ରତ୍ୟ କୃତିକ ଆବଳ ପର୍ଣ୍ଣ ଜନ୍ୟ ଓ ପ୍ରତ୍ୟ ପ୍ରସର୍ଶନ ବା ବହିମ ପ estephie po 1 Žedenti ožest po navest atoes case cas attache most sacto oração dás esca e son Do acreaso ଖାସତା ତୀଞ୍ଚଳ ପ୍ରସେମ ପଲସ୍କର । ଲେ ସୃଷ୍ଠି ମଣ୍ଡା ନରେଣ ସ୍ଥିଂ ନମାର କମୟ ବାଷାମାନଙ୍କୁ ଉତ୍କରେଧନ

gur, shafa solio seg exix, liceg nas ana adda permog de east deut della ଅଧାର, ଅନ୍ତର ପୁରିକର କରିବା ଏହଂ ଏହାର ଜଣ ହେଉଛ । ଜନ୍ମ ଦାର ହର ପୂର୍ବାର ଅବଶ୍ର ଜଣରେ ଓଡ଼ିଶ ପୂନ୍ତ ଉତିହାର । ଏ ଅଟେଲରେ ସବୁ ସଫୁବନକାରା ଅଧିକା ଅଞ୍ଚଳ ହେ ପରିକଳା କରବାନ୍ତର । ନହି ନହିତ୍ର ପୂର୍ବ ସେଖନ ଖାଦ ସାରଣ ନିମନ୍ତେ ବୃଦ୍ଧି ବିଜନ ସହନ ଅନ୍ତେ ଲେଖ ନଳିଆ ତାଙ୍କକୁ ଅଲ୍ଲେ ନିଲାର ଅମୃତଲକ୍ଷ । ସଦେବ ତାରା ପ୍ରଥମ ଫିଆର୍ଟ୍ରିକର ଅନ୍ତର ତାଙ୍କ वादार जादा तुवन जीवादीच्या शादा चयाच करावादाक्षा । भी कारोश्चरका क्षात्राच चकराह, दुव

### କ୍ଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ହାରା ଖାଦ୍ୟ ଓ ପୋଷଣ ଶୀଷକ ଆଲୋଚନାଚକୁ





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district rate rate and a gyperod dige carrier of pere impe agile trape, trois (ब्रिक्ट स्ट्रीक चर-बाव २०११) हा बर्वा एवं पूर्वका वार वर्वक beason rage i dissays Albidousia ugu assazoraid DONE BECOM PROGRAM par on sacraft periods क्षेत्र के किए स्टब्स्ट के विद्या है।

### ମହୁଚାଷ୍ଠ ଚାଶାଙ୍କୁ ପ୍ରୋସାହନ ଦିଆସିକ ମହମାଛି ପାଳନ ସଂପର୍କିତ କୌଶଳ ବିକାଶ ତାଲିମ ଶିବିର

ରହିତ ହେଉଥିଲେ । ପୁରିଲସ ନାକନ୍ତ ପଞ୍ଚଳ ବିଳ ମଧ୍ୟର ହେବ ନିଲ୍ଲେକ ଓଡ଼ଶ୍ମ ବିଲ୍ଲେକ ନିଲ୍ଲେକ କ୍ଷମକ୍ଷରର ଓଡ଼ିଆ ଅନୁହର୍ଶ ଅନୁହର୍ଷ କ୍ଷମବୃତ୍ତି । ଦୂହର ଷ୍ଟିତ ପଞ୍ଚିତ୍ରର ଖଣ୍ଡଟର ଓଡ଼େଶଙ୍କୁ ୧୬୯ ବର୍ଷିକ ୧୯୯୧ରେ ଓଡ଼ି ଦିବାନ ସହତ ପରିଷ ସହକ୍ରିତ ଓଡ଼େ ଓଡ଼ିଆ ସହର ଓଡ଼ିଆ ଓଡ଼ିଆ ସହକ୍ର para de sus de Sempland es un discussion en un con comba deux coups de sa capitan e

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# କିରେଇ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପୋଷଣ ବାଟିକା କାର୍ଯ୍ୟକ୍ରମ

ପୁରରଙ୍ଗରୁ ୧୮।୯।(ବାର୍ଯ୍ୟକ୍ଷର) ନିରେଇହିନ କୃଷି । କୁତୁରରେପ ଉଥିରୁରେ । ଅନାରମ ଅଧିକୁ ଉତ୍ତ ନିରା ବିଷାନ ବେଳ ଓ ଇମ୍ବର୍ତ୍ତର ମିଳିକ ଆକୁକୁକାରେ । ପରିଷକ ସମସ୍ୟ ପୁଖଲାଇ ପୁଣ୍ଡା, ଜିଲା ପୁଞ୍ଜା କୃଷି

ମଞ୍ଚଣ ବାହିଳା ଓ ବୃଷ୍ଟ ରୋଗଣ ମହାଭିୟାନି କାର୍ଯ୍ୟକ୍ରମ । ଅଧିକାରୀ ଜମନକୁ ନିଉନ, ଅନ୍ତ୍ରଣୀ ବାଷୀ ନିର୍ମିତ ନାଉନ



୧୫.୨୦୨୩ ଉପଲକ୍ଷେ ଅନୁଷ୍ଠିତ ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ମୁଖ୍ୟ ଅତିଥି ଭାବେ ସବର ବିଧାରିକା କୃଷ୍ଣମ ଟେଟେ ଓ ଓଞ୍ଚଳିତ ଅଶିଅ ଭାବେ ଜଳବରା ବିଧାୟକ ଉଦାନା

ନ୍ତ୍ରହିତ ହୋଇପାଇଛି । ଆନ୍ତର୍ଜାତିକ ପୋଷକ ଶମ୍ପା । ପୁମ୍ବା ସୋସଦେଇ ପୋଷଣ ବଣିତା, ମାଣ୍ଡିଆ ଚାଷ ଓ ମୂଳ୍ୟପୁଲ୍ଲ ପଦାର୍ଥ ପ୍ରସ୍ତୁତି ଉପରେ ଆଲୋକପାଡ କରିଥଲେ । କରି ବିଞ୍ଚଳ କେନ୍ତର ବରିଷ୍ଟ ଦୈଷ୍ଟଳିକ ଓ ମଧ୍ୟ କା ଲଖାସର ପଧାନ ଅତିଥ ପତିହର ପତାନ କରି ରର ହେଇ ସେଉଦରେ ନାଙ୍ଗକ୍ରମତ ଶୁରାରଣ ନଭି କାର୍ଯ୍ୟକ୍ରମର ଆଭିମୁଖ୍ୟ ସଂପର୍ଗରେ ଆଲୋକନା

ଜୁମାର ବିଶାସୀ ପୋଷକ ଶସ୍ଧା ଓ କୃଥରୋପଣର ଅନ୍ୟାବତା ଉପରେ ଉପରେଜ ବହୁବ୍ୟ ଦେଉଣ୍ଡର ଏ ଅପ୍ରସାରରେ ଜନ୍ଧି ହିଞ୍ଚାତ ସେହର ହିଲ୍ଲର ହେବ 'ଗାର୍ଡେନ ପ୍ରସର୍ଦ୍ଧ କୁ ଅତିଥିବା ନାରା ଉଦ୍ୱରାଟ୍ୟ କରାଯାଇଥିଲା । ଅତିଥି ମାନଙ୍କ ହାରା ଉପଭିତ ସମ ଚାଞ୍ଚମନଙ୍କୁ ଉପ୍ତମ୍ଭ ବେପରୁ ପନିପରିବା ମଞ୍ଜି କିଟ୍ ଥୋ ସନ୍ତମ ଓ ଅନୁଜଲଣ ନାରା ବଶନ କଲାଯାଇଥିଲ କୃଷି ଦିଆନ ହେନ୍ତ ନରଫରୁ ପେଖଣ ବର୍ଗିନାର ପୁରନ ଚାଞ୍ଚତାୟର ପରେଟ କୃଷି ପୁଞ୍ଜିକା ବଞ୍ଚନ କଲାଯାଇଥିବା ପ୍ରତ୍ତରତ୍ୱ ନିଲେଟ ମିଶ୍ରମର ଜିଲା ଫରେଅକ ପ୍ରଶର୍ମ କର ଯୋଗ ଦେବା ସହିତ ମିଶନ ଅଧିନରେ ଥିବ OF SOME OF STREET BY A GOD ମଣ୍ଡିଅନ୍ନ ପୁରୁନ ବିଭିନ୍ନ ଖବ୍ୟ ପଦର୍ଶକ ପ୍ରବର୍ଶନ । ପରିଦେଖଣ କଲାଯାଇଥିଲା । ଜିଲାର ବିଭିନ୍ନ ଦୁଗରୁ ପ୍ରା sers considir és inches pe e e କରିଥଲେ । ଅେଷରେ କଞ୍ଜି ବିଷ୍ମାନ କେମର ଦୈଷ୍ଟାନିକ ମନୋଜ ଜୁମାର ଜେବା ଧନ୍ୟବାଦ ଅରଥ କରିଥିଲେ ରେପ୍ରର ଦୈଷ୍ଟାନିକ ହିଲେକୁ ମଣ୍ଡଳ, ମୁହାବା ଦିବ୍ୟନାନ୍ତ ଅରଣ ମିଶ୍ର ଜମଳ ଗୋଡ଼େ ମନ୍ଦର, ଜମଗଡ଼ର ସ ଜିତେର ସେଠା, ଗଳାନନ ଛଦ, ବୁକୁ ବହୁ ଓ କୁକର୍ଚ

## ପାଣିପାଗ ଅନୁକଳ ଫସଲ ଉପରେ ଗୁରୁତ୍ୱ



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ගම්ගත පමුණ ගතම mocding a gaza bya ovido cos quincia se os mon ලේ පාලයක් කරීර්ම එළ ලෝ ජෙකරය විශාවයක් පර ක්තිය පෙසෙක්ක් ලේක සංකාරය කත්ත දෙක්කම් 1 අතු කරෙනදෙක් peo gauo geo ciasuos peono agan onué esg dinaula sug mone ég

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ônes and elejas gris. qã bero regas goágo ba රර්ෂර සංක සෝ ඉහට ලබා පරිපුකාව සොහරෙක ලබා මය පුත අම තදහා පුත පුත පුත අම තදහා පුත පුත්ත අම තදහා පත පුත්ත අම් තදහා පත පුතු තිරුණු කුරුතු අමුතු ප්රත්රුතු කුරුතු අමුතු ප්රත්රුතු කුරුතු අමුතු ප්රත්රුතු කුරුතු පුතු කම් පුතු ද පත්තිව පත් පුතු කම් පුතු හේතුව පත්තරය මුතු අත පරිත්ව පත්තරය මුතු අත පරිත්ව podoco den-cargo podoco den-cargo ගම්ගත පමුලුව ගැන ගතාස් රෙත සඳ ඉම් ගිරිත තහනක තොසර oco dest egaça docorg gga audria cumo ca coma eco de da avoc





## ମହୁଚାଷ ଓଡ଼ାଖାକୁ ପ୍ରୋହାହନ ଦିଆଯିବ ମହୁମାଛି ପାଳନ ସଂପର୍କିତ କୌଶନ ବିକାଶ ତାଲିମ ଶିବିର

ପିତ ବ୍ୟବସାରକି । ସହିତ୍ର ଓ ମନ୍ଦର୍ଗ ଓ ଯୁ ଏହିତ ପୁରସ୍କର ବା ବିଲୋନ କରେଥି, ବଳ ନେଲିକ 

ම පැවැරද දැපත විරකරවල ඉති. අතකල පරිද්දෙන ගැන හැදුවමි. අත පාසක මෙම පැවැති පැවැති කරන පැවැති පැවැති පැවැති පැවැති අත පාසක මෙම පැවැති පැවැති පැවැති පැවැති පැවැති පැවැති පැවැති පැවැති පැවැති ප්‍රති වේද පැවැති පැවැති ප්‍රති වේද පැවැති ප්‍රතික වෙන ප්‍රති වේද පැවැති පැවැති ප්‍රතික පැවැති ප්‍රතික පැවැති ප්‍රතික ප්‍රතික ප්‍රතික ප්‍රතික පැවැති ප්‍රතික ප්‍රතික ප්‍රතික ප්‍රතික ප්‍රතික ප්‍රතික ප්‍රතික පැවැති ප්‍රතික ප්‍ ප්‍රතික ප් cool right contract obsidering PEq right components of equipment of the components of the

### ପ୍ରାକୃତିକ କୃଷି ସମ୍ପର୍କିତ ସଚେତନତା ଓ ତାଲିମ

a plano opec policino a par git a chade by bower tomp gill hero cuy, goody e visi प्रकृति हुई क्या वर कारका s ciún echon ciúsco: god rigado esta toda cuando dispara



θαν καρακήτα εθαιλό με πενιν χικό καν ακόξο σεπ... Θέ τοπ και εκκαι, διν και ακχόν απή εδύο εκιπ με consisting of the responsivity supply during the contract of t ηφία φία παιο τοικοι ποι κότοι ππούο φά ακοικα: Της μποκοτριάκτος φτια κατή την αδοικοι αδιραί

Sent ogas pide on stein treasure ediper rend on Depres and son come ag DOR OCHERN DÉCU UN DES врое бявка пявное обран гархаот орго- Эменной ба гум

ού καθητικό χρες με νου να επαξε χαρίο ηθικέρησε. - δύφ ανθητα απο χρού από εποδρασικώ αθμονώς από μεταξείς απ pige cureos aéé de comos comis acides de corporarios reparamentarios pilos cureos apig pêje jarjike de, vrever evera ên gêje. Dê, calis, ziyas e vrze pîl gele vêzial geje regi o difinercia di propinsi de colores concedito. Indicessad so coloreccia di degli bancció pequi

#### ସମ୍ବାଦ

#### ପ୍ରାକୃତିକ କୃଷି ଉପରେ ସଚେଡନତା ଓ ତାଲିମ

ପୁରସମନ ୨୬ ମଧ୍ୟ ସହିତ୍ର । ପର୍ବଶ୍ୱରତୀ ପୂଜ ହେଣୁବିତି ପ୍ରମାନ 'ପୁରୁବିଜ ହୋଇ ଅବଧି ବ ସାସେ ସହ ଓ ହେଣୁବିତି ପ୍ରମାନ 'ପୁରୁବିଜ ହୋଇ ଅବଧି ହୁସି ଓ ଅନୁସହଳ ଅଧିକର ଅନୁସ୍ଥଳକାର ବହିଛି ହୁସି ଓ ବହିଛି ଓ ଅନୁସହଳ ଅଧ୍ୟକ୍ତ ହେଇ ବହିଛି ହେଇ ଅବଧି କଥ ය අම්රිෂාව ගෙල ගහල ඉතෙනම ඉති තමෙයි. අපාර ජනයකරේම ත්රෛකා කරමුණ විද්යත් පැමි



රියම් රජ සොලාගන්හී වා රිත්කය සම්භ පෙන්මා. අපි මණ සෙල ලබා ම සමුතුක් ලබා මළුණ සමුතු ලබා ම සමුතුක් ලබා මළුණ සමුතු ලබා හැ. සමුතුන් ලබා මළුණ සමුතු තතා සඳහා මේ සහ සෙන්මේ සෙට රජ්‍ය ප්‍රවේණය දින් පැතිස් සෙට රජ්‍ය ප්‍රවේණය විස්තිය ලබ් සත්වස් සෙට රජ්‍ය ප්‍රවේණය වැස්තිය ලබ් සත්වස් සෙට රජ්‍ය ප්‍රවේණය වැස්තිය ලබා සමුතුන් සම්බන විසිදුම් සට රජ්‍ය ප්‍රවේණය විසිදුම් සට සට රජ්‍ය ප්‍රවේණය දිනිදුම් සුරේක

# କେନ୍ଦୁଡିହିରେ ପ୍ରାକୃତିକ କୃଷି ସଂପର୍କିତ ସଚେତନତା କାର୍ଯ୍ୟକ୍ରମ

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### ପ୍ରାକୃତିକ କୃଷି ସମ୍ପର୍କିତ ସଚେତନତା ଓ ତାଲିମ

gressos representa such il proprieta de constante appara de constante de constante de constante de constante de र्त कर्मानुस्तर कुल पुत्र एक कर करानू कुद्देव दृष्ठ वाक्या । विद्यानकोनुस्त १८०५ वृत्तर ४ सङ्घे वर्णका नरीह की हास arres andre ale silengue annoque redignos que tropas godesa, nomano que san consentração ନିକମ ସହର ମୁଦିର ପୈଲ୍ଡିକ ହାଁ, ମନେଳ ପୁରତ ହେଉ ସମହିତ ତାହାଁ । ତିହି ତାହା ଲହା ନରଣା, ନିଜ ତାର ଅନୁନିତ ସମୁର୍ଥ ସିହିକ ଦେଖ ଅନ गर्ज रहारा रामाञ्च वर्ग संदर्भक स्थाना संदर्भ हुए विश्वेत । एवं रहतूम बोरत्य । स्थित यह वेद्युर सर्वारत विश्वेत දෙකද වර්යායකර විශ්ව සහ කෙයුකුත්වද හැ විශාන කමා... පරිවෙනය සමාන්ත මේ මෙන්නද වී. සමානය වීම ය. ලස টিতে বসুন্তিত। বিশ্ব পুৰুষ্ঠ হয়টোই দ্বিৰুদ্ধি কেন্দ্ৰীয় উদাৰ ভূৱাৰে। পোনাক বিশ্ব হয়টোই চুন্তুত ব্ৰং কেন্দ্ৰীয় কৰা কৰিছিল কৰা কৰিছিল।

ेवाब क्षरेया १९९१ यह व्हास SCHOOL STON SOO OF by these and due man too filipas filipa ou gas autor Pears bears posse

ବ୍ରତିତ ବୃତ୍ତିତ ଅପାର ସମୟତ ପ୍ରତୀ କବିପ୍ରତମ, ଅନ୍ତଦିକ କୃତ୍ତି ପଦେଶଣ । । ମିଶ୍ର ନ୍ତମକଳ ସଂ, ବିତ୍ୟକ ନୁମନ ସହରୁ ପ୍ରତ୍ତ ପରିକଳନ କବିପ୍ରତମ

#### ଦୁଇଦିନିଆ କୃଷକ ଦକ୍ଷତା ବୃଦ୍ଧି ତାଲିମ



#### ମହୁମାଛି ଚାଷ କୌଶଳ ବିକାଶ ତାଲିମ ଶିବିର

ල, ඉදුනැගතිනා: මහෙගම් ඉසි මහා හෙද ଷ୍ଟର୍ଗତ ବେଲିକ୍ ରେମମ୍ବରରେ ପରିବାରତା କରିଥିବା ଦେବେ ଅନ୍ତୁ ଏକ ଲୋକନ ମହାଲ୍ଲ, ମୁକାରା ବିକାରଣ ଓ ଅନ୍ୟର୍ଥ କରିବାର

#### କୃଷି ବିଜ୍ଞାନକେନ୍ଦ୍ରରେ ପୋଷଣ ବାଟିକା ଅଭିଯାନ ସ୍ତଦ୍ୱରତ, ୧୮/୯(ଜନିସ), ଅନ୍ତର୍ଜନିକ ସେଖନ ଶତ୍ତା କଳି ସେହା ଦେଇ ସେଖଣ ବହିତା, ମାହିଆ କଥା ଓ ମଳାପ୍ତକ ସହର୍ଯ



ගෙන්වෙනකු කොළුම් සම්බ සිමුල ඉතින්න ම ගමන් මෙම ජනත්වක පැත්තෙන් එකින්නේ අමත්ව කර්ම ලව පටලින් මෙම්මට අතම පටලට ඇතුළුවල කරිලිකේ? ଅନ୍ୟାନମ ଅନ୍ତିରି ଜିଲ୍ଲା ପରିଷତ ସହବା ସ୍ୱଖଲାଲ ମୁଣା, ଜିଲ୍ଲା ମୁଖା କୃଷି ଅଧିକାରୀ ରାମତକୁ ନାୟକ, ଅନୁଶା ତାଆ ଚିନିକ ନାଏକ

ରେକୁ ବରିଷ୍କ ଦୈଷାଣିକ ଜ. ସଂରୀତ କୁମର ଚିଶ୍ୱସ SOUTH WAS SUBSICIOUS TO PROPERTY OF THE PROPER ସନ୍ତରେ ଆଲୋକନା କପିଥିଲେ। ଏହି ଅବସ୍ତରର වේ. වියුදුවල අත වලට ලෙද වැල්දුව අවස්ථාව අත විමුව ලෙද වැල්දුව ପରେ କଫ୍ଲୋ ପଥରୁ ବାଷାମନଙ୍କୁ ପନିପରିତା ମଳି ବିଦ୍ୱ ବଥା ସନ୍ତମ ଓ ଅମୁନ୍ତଣ ଦାରା ବଢ଼ନ ecicleda i ficar from quone del tristane quene eca nellounes ସିଅଲଅର୍ଟିକି ହାରା ମଞ୍ଜିଆରେ ପ୍ରସୁତ ବିଭିନ୍ନ ପ୍ରକାର

ଖାତୀର ପ୍ରବର୍ଣ୍ଣନ ସହ ପ୍ରସିଦେଖନ କରାଯାଇଥିଲା ବୃଥିବାନ ଲେକ୍ ପୌଷତିକ ମନ୍ଦେଳ କୁମୀର ନେନା, ଦ୍ୱିବେନ୍ଦ୍ର ମନ୍ତଳ, ମୁଦାରା ଦିବାନାଅ, TOM RE, GROCALCO PRIQ. GROCA SI, GOOD 6301. ପରାରକ ଛନ, କୁନ୍ଦୁ ବକୁ ଓ କୁକରୀପ ଜାଗୀ ପ୍ରମୁଖ ପରିଚାଳନାରେ ୧୧୧ଫର କରିଥିଲେ

#### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପୋଷଣ ବାଟିକା ଓ ବୃକ୍ଷରୋପଣ ମହାଭିଯାନ

ଉଫ୍ଟୋ ଚଉଫର ପନିପରିବା ମଳି କିଟ ଚଥା

ବର୍ଷ ବଳ୍ପ ବିଶ୍ୱର ବିଶ୍ୱର ପ୍ରଶ୍ୱ ପ୍ରଶ୍ର ලෙසත් ගෙන්වූ ගැනීමෙන් සහ ඉදිරි දැක් අත්තිය අත්තිය

### କୃଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପେଟ୍ରୋଲିନ୍ଦ୍ର ସଂରକ୍ଷଣ କୃଷି କମର୍ଶାଳା

plan erane entica se seu entie sylva resuscial a coome div a gylor a cypapan entiplan erana merero se olija yilo disale losana filia seppena seniro escapa sep seniro escapa se seniro escapa seniro escapa se seniro escapa se seniro escapa se seniro escap स्थाप क्षेत्र व्यवस्था स्थापि स्थापि स्थापि



୨୦୦୦ ପଲା, ସୈତ୍ୟହି ବ୍ୟବହର । ୧୯୧୦ ସମ୍ପର୍ଶିୟପତା ଦୁବ୍ୟବ୍ୟର । ଅନ୍ୟୁ ଅନୁକ୍ର ପ୍ରଥମ ଓଡ଼ି ହେଉ । ଅନ୍ୟୁ ଅନୁକ୍ର ପ୍ରଥମ । ଅନୁକ୍ର ଅନ୍ୟୁ ଅନୁକ୍ର ଅନୁ ଅନୁକ୍ର ଅନୁ ଅନୁକ୍ର ଅନୁ ଅନୁକ୍ର ଅନୁ ଅନୁକ୍ର ଅନୁ ଅନୁକ୍ର ଅନୁ ଅନୁକ୍ର ଅ ego ewear er emp men pe não oo êane gampon ରଣ କମନ୍ତେଖ । ହିଁ ବଳ୍ପିତ । ସମୁକ୍ତବ ଓଡ଼ି, ଅବସ୍ଥେତ ସମ । ନିର୍ବିତ । ପରି ନେସ ବହର୍ ପୂର୍ବ ଜନ୍ମ ପରି ନେ ବଳ୍ପର ଓଡ଼ିଆ । ସମୁକ୍ତବ ଓଡ଼ିଆ ଅବସ୍ଥା ବହର୍ମ । ସହର ବଳ୍ପର ଓଡ଼ିଆ । ନିର୍ବିତ ବ୍ୟବର ଓଡ଼ିଆ । ସମୁକ୍ତବ ଓଡ଼ିଆ । ସହର ବ୍ୟବର ସହର ଓଡ଼ିଆ ।

gascidora igai or deliga guara deresora agra our siñeido rada cara, quos

### $\Theta \bigcirc \Theta$ ପେଟ୍ରୋଲିୟମ ସଂରକ୍ଷଣ କୃଷି କର୍ମଶାଳା

ପୁରରଗଳ-୧ ପରିବରରେ ସେଫ୍ରେଲିଶନ ସଂରଖ୍ୟ ବା କୃଷି ଜିଭିକ କର୍ମଶନା ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି।

ଏଥରେ ଭାରତ ସରକାରଙ୍କର (ତୈକ ଓ ପାଇତିକ ଜ୍ୟସ ମହାଳୟ) ପେଟେଲିୟମ ପ୍ରକୃତିକ ବ୍ୟବ ମହାରଠୀ ସେହାରିଥା । ଏହା ସହର ପ୍ରକୃତ କଥି । ବୈଷ୍ଠାଣି ଜ ବିସ୍ତିବ୍ୟବରତ ନିର୍ଦ୍ଦିତ । ସହର୍ଥି ଓ ବିସ୍ତିକ୍ର ଜ ବିସ୍ତିବ୍ୟବରତ ନିର୍ଦ୍ଦିତ । ଅନୁକୃତ୍ୟାର ସଂଶ୍ର ପରି ଅନ୍ତମ୍ପର । ଅନୁକୃତ୍ୟାର ସଂଶ୍ର ଅନ୍ତମ୍ପର ଓ ଅନ୍ତମ୍ପର । ସହର । ଅନ୍ତମ୍ପର । ଅନ୍ତମର । ଅନ୍ତମ୍ପର । ଅନ୍ତମ୍ୟ । ଅନ୍ତମ୍ୟୁ । ଅନ୍ତମନ୍ତମ । ଅନ୍ତମ୍ୟୁ । ଅନ୍ତମନ୍ତମ । ଅନ୍ତମ୍ୟୁ । ଅନ୍ତମନ୍ତମ । ଅନ୍ତମ୍ୟୁ । ଅନ୍ତମନ୍ତମ । ଅନ୍ତମନ୍ତମନ୍ତମନ୍ତମ । ଅନ୍ତମନ୍ତମନ୍ତମନ୍ତମ । ଅନ୍ତମନ୍ତମ । ଅନ୍ତମନ୍ତମନ୍ତମନ୍ତମନ୍ତମ । ଅନ୍ତମନ୍

ସଂଗରଣ ଉପରେ ଭିଳିଓ ଓ ପୋଷର ପ୍ରବର୍ତ୍ତନ କରାଯାଇଥିବା । ଏହି ସଲରେ ଡିନୋଟି ବ୍ଲକର ୩୭ ଜଣ ତାଙ୍ଗ ସେଙ୍ଗ ଦେଇଥିଲେ । ଉକ୍କ ସଭାରେ ଇଫକୋର ଅନସପଫ୍ରୀୟ ନରିଷ୍ଟ ପରିଚାଳକ

ପୂର୍ଷ, ଚିଳେପିର ରାଜ୍ୟ ନାଯ୍ୟାଳୀରୀ ସହନ ବଞ୍ଚଳ କୁମାର ପଟେଲ ସଞ୍ଚି, ଚିଳେପିର ରାଜ୍ୟ ନାଯ୍ୟାଳୀରୀ ସହନ ବଞ୍ଚଳ କୁମାର ପଟେଲ ଏଟଂ ଅନ୍ତ୍ରଖତ୍ୟଖ ନିର୍ମନ କୁମାର ନ୍ୟବର, ପୁସୃଷ୍ଟ କୁମାର ପଟେଲ ପୁସୁଷ ପ୍ରେଲଦେଇଥିଲେ । ବୃଷି ବିଷ୍ଥୀନ ବେହର କରିଷ୍ଟ ଶୈଷ୍ଟାଳିକ ଏବଂ ମୁଖ୍ୟ ତଃ ଲକ୍ଷ୍ମପ୍ରିୟ ପ୍ରଧାନ ସମେତ ହେନ୍ତର ପୈଞ୍ଚାନିକ ତେଲିକ ଜେମସ ବାରେ, ବିବେକୁ ମଞ୍ଚଳ, ମୁହାଦା ଦିବ୍ୟନାଥ ପୁମୁଖ ରହି କର୍ମଶାଳାଟିକୁ ପରିଚାଳନା କରିଥଲେ ।

### ମାର୍ଚ୍ଚ ସୁଦ୍ଧା କୃଷି ବିଭାଗ ମୂଳ ପଦବୀ ପୂରଣ ହେବ

ଲୁକେକ୍ଷର,୭୮୮୧୭(ଫୁଲୋ) ବିଭାଗତ ବିଭିତ ନିଉଦିଶାନ୍ୟରେ ଖାହିଥିବା ପଦସା ଯଥା ସହଳାଶୀ ବୃଷି ଅଧିକାରୀ,

ଗାମୁଲିକ ସଂରକ୍ଷଣ ଅଧିକାରୀ, ସହକରୀ ଧ୍ୟାନ କରି ଅଧିକାରୀ, ଗ୍ରାମଧ୍ୟ କରି କର୍ମଚାରୀ, ରିଲ ସଂଗଣର ସମୁସରଣ କମିଚାସ,ରବ୍ୟକ ଓ ସମୁସାରଣ କମିଚାସ, ସହକାତା କୃତି ସମ୍ପ ତ୍ୟବି ପଦମା ଶାସ୍ତ୍ର ପ୍ରତିଶାକୁ କୃତି

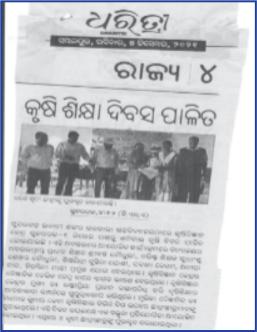
#### ଜାକୁୟାରୀ ୧୫ ସୁଦ୍ଧା ଅର୍ଥ ହିରାଗର ଅନୁଗୋବଳ ପାଇଁ ପଠାଯିକ

ହେଉବର ଅବ୍ୟବନ ବରାଯାଇଥି ବାଳି ପଦମ ନିପୁରି ନିମନ୍ତେ ଓଡ଼ିଶା ଲୋକସେବା ଆଯୋଗ ବହିବ, ଓଡ଼ିଶା ଖ୍ରୀ ବିଲେକ୍ଟର କମିଶନ ସହିଦ ଏବଂ ଓଡ଼ିଶା ସମ୍ବର୍ଥିତନତ୍

ସୋନନାର ସଫଟ ଗୁଆରନ ଏବଂ କୃଷକନ ଜିକ୍ତରେ ପେସବୁକୁ ତିକ୍ ଭାବରେ ପଲଞ୍ଚ ଦିନରେ ବିଭାବର ଅଧିକାରୀ ଓ କର୍ମନାଳୀନ ଅଧିକ ଉତ୍ତବାଳ ହେବା ନିମନ୍ତେ ମହା ପରାମ ଟେଲଅଲି । ସୈଠଲରେ ଓଡ଼ିଶା ଲବ୍ୟ වෙනව් පවත අතු පුතුව ප්රතිදේ දුණ් . මෙමක වෙන අත ඉණිස පලක්වනද අත අතුරුත් සහතාවය අති අත අත අත අතුරුත් සහතාව අත අතුරුත් සහතාවය අති අත අතුරුත් සහතාවය අති අත අත අතුරුත් සහතාවය අති අත අත අතුරුත් සහතාවය අති අත අත අතුරුත් සහතාවය අති අතුරුත් සහතාවය අති අතුරුත් සහතාවය අති අත අත අතුරුත් සහතාවය අති අතුරුත් සහතාවය අත් අතුරුත් සහතාව අත් අතුරුත් සහතාව අත් අතුරුත් සහතාව අත් අතුරුත් සහතාව සහතාව සහතාව අතුරුත් සහතාව අතුරුත් සහතාව සහතුව සහතුරුව සහතාව සහතුරු සහතාව සහතාව සහතාව සහතාව සහතුරු සහතාව සහතාව සහතාව සහතාව සහතාව ස ଇଦ୍ୟାଟ ବୃଷି ନିର୍ଦ୍ଦେଶକ ଗୋଲିଟ ଗୁମାର ଗୋଲ ଓଡ଼ିଶା ଲୋକସେମ ଆୟୋର ସହିନ୍ନ, ଓଡ଼ିମ ଷ୍ଟାଙ୍ଗ୍ ସିଲେକ୍ଷନ ଜମିଷମ ସହିତ, ଓଡ଼ିମ









### ମାର୍ଚ୍ଚ ସୂଦ୍ଧା କୃଷି ବିଭାଗ ମୂଳ ପଦବୀ ପୂରଣ ହେବ

#### ଫୁଲଧୁଡ଼ିରେ ଖାଦ୍ୟ ଓ ପୋଷଣ ସଂପକିତ ଆଲୋଚନାଚକ୍ର



### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର ଦ୍ୱାରା ଖାଦ୍ୟ ଓ ପୋଷଣ ଶୀର୍ଷକ ଆଲୋଚନାଚକ୍ର

-ଷ୍ଟାଧୀନବାର ଅମୃତ ମସେଷକ ପାକନ ଅବସରରେ ଜୁଞ୍ଚି ବିଜନରେକ୍ର ସୁଦରରକ୍ର ବ୍ୟରମନଙ୍କ ପ୍ରଦ୍ରଶ୍ୱିତ ପ୍ରାମରେ ଅନୁକୁଲାରେ ପୁରଣ୍ଡିତ ପ୍ରାମରେ ଶର୍ଷନ ଏକ ଆରୋଜନାତକୁ ଓ ତାରିମ ଜିନ୍ତ ଅନ୍ତିତ ହେଉଥିବା ଉତ୍ୟ କୃତି ଗଟେଖଣ ପରିଷଦ ହାରା ଏହି ଜାବୀର ଅଭିଯାନ କ୍ରମରେ ଆରୋଜିନ -ବି ନାର୍ଯାନ୍ତମକୁ -ବି ଗ୍ରାମର ନାଖନାରନ ସିଧାସନଖଦେଖିବାର ପ୍ରଯେଖି ଓ ଇଥିଲେ । ରେକୁ ବୃଷ୍ଟିମନ୍ତୀ ନରେକୁ ବିଂ ରୋମର ଉପଦେଶନ ବେଲ ପିଲ୍ଲାବା ଓ ସେଖର



ମହିଳା ତାଞ୍ଚାଙ୍କୁ ଭରତ କିସମର ଅମୃତଭଣା ଓ ସହରା ତାଲା ବିତରଣ । 1996र छावरेरक, उर्वशास्त्र थि-। क्वोडिन राजनात कारक ରାର୍ଯ୍ୟକ୍ତମରେ ପ୍ରମୟ ସରପଥମନଙ୍କ ଓ ବୃଷ୍ଟି ବିଜ୍ଞାନ ବେକ୍ତ ଦୈଲ୍ଲନିକମନେ ସମେତ ସମସ ବ୍ରକ୍ତ ତାହା ସନ ଯୋଗଦେଇଥିଲେ । କଥିଲିକ ଲେସର

වෙතු වෙනවන ව. සහවුයා පුයාද, ଦ୍ୱେଷ୍ଟର ପ୍ରେମ୍ବ ବରେ ଓ ତିହେକୁ ମଣକ ଉପସ୍ଥିତ ଚାଷମୀନଙ୍କୁ ପୁସ୍ଥ ଶତୀର ନିମନ୍ତେ ସମୁଦିତ ଅନ୍ନର, ଆବର୍ଶ rilipa ción «c» «po paragan. ହଦୁନଷ ତଥ ସୁଷ୍ଟିକର ଖବ୍ୟ ଉପରେ ଅଗୋକପାର କରିଥିଲେ । ଏହି ଅବସ୍ତରର ଅପୁରଯୁଦନଳାତା ମସିନ୍ଦା ତାଞାଙ୍କର ସେତ୍ର ପ୍ରବର୍ଣନ ଅପେଳନ କରାଯାଉଥିବା ବରିବଦିବରୁ ପୂଞ୍ଚିପେଖଣ ଖଦ୍ୟ ପରନ୍ଦ ନିମନ୍ତେ ଜଞ୍ଜି ସିଞ୍ଚାନ ନେକ ଉପସ୍ଥ କମନ୍ତ ମସିକା କାଷାଙ୍କୁ ଉପତ କିସମର ଅମୁସରଣ ଣ ସନ୍ତମ ନାରୀ ବିହରଣ କରାଯାଇଥିଲା ।

#### ମହୁଚାଷ ଓଚାଷାଙ୍କୁ ପ୍ରୋୟାହନ ଦିଆଯିକ ମହୁମାଛି ପାଳନ ସଂପର୍କିତ କୌଶଳ ବିକାଶ ତାଲିମ ଶିବିର



### ପ୍ରାକୃତିକ କୃଷି ସମ୍ପର୍କିତ ସଚେତନତା ଓ ତାଲିମ

त प्रकार वर्षक वर्ष विभाग प्रमुख्य वर्षक वृक्ष क रवेल्कि वेद विभाग प्रमुख्य gill dest cog, godapie sia पुष्टि हों बक्क वर क्राउन्छ। ය ශර්ද පත්තුව පරිසකට දකය පතුරිරි මුපතා පල්බා ගැනෙනම්!

ερες οδη εδηδο οι αριο οριο हें करा करें कर के स्वतिक स per dose ess fue secto mg ଫରର ଚିତିଧ୍ୟରଣ, ଚିତ୍ରିତମ ତଥା କ୍ଷତ орог берга ежигог обугат езднает какое факазорбо дия

праволя под старит под старите формации по общения под старит под старительной под старител न्हें कार्यनंत्रक देशत वेदानक कर शक्तर विर्श्वन चेत्र व्यवस्थाः हुत्तर न्यान देववार वर्धने वर्षका वर्षण वर्ष астом восво обложения выпаря, выборно дв. энство дойско полито дв был сполос зада ମତକୁ ଦୌଖର୍ସ ଉପରଚିତ ହାସ, କାମନାଖଳ ବଳବାର ଦିନା ପ୍ରକୃତିକ । ତାଣି, ସେହିଣ, ଅମୁନ୍ଦରଣ ଓ ଖମ୍ବୀଳ ଅତି ପୂର୍ବତ କରିଥିଲେ। ପ୍ରକୃତିକ ирод обсовой бай оне осворито на обвети обет и обхочети вкадо не округа в эти об о трег ରମନୁ ଉତ୍କଣ ଶହାର ଗହାରି ବିଜୁ ଏବଂ ବି ଦର୍ଥିବରି ,ଅପୁରୀ ଅକୁ କଥାରେ । ସେଥାନି ବାଣ୍ଟେ ଅନୁଷ୍ଠାର ଏହା ଏହାରୁ ପତ୍ରର ଏହାରି ବିଜୁ । ସେଥିରିକ ବାରତ୍ୱ पुरुष्टि पृष्ठित प्रायक व्यापका पूरु वर्षपुरक (प्राव्यक्ष पृष्ठे वरणका) । नितु प्रायकत वर, वैदाव पूराव एका प्राप्त वर्षणका करियुक्त।



#### ପ୍ରାକୃତିକ କୃଷି ଉପରେ ସଚେତନତା ଓ ତାଲିମ



#### ୭ ଦିନିଆ ମହୁଚାଷ କୌଶଳ ବିକାଶ ତାଲିମ ଉଦ୍ଯାପିତ









#### ମହୁମାଛି ଚାଷ କୌଶଳ ବିକାଶ ତାଲିମ ଶିବିର

୨୦୧୨, ୨୪ ୩(ରମିମ): ବିରେଲଗ୍ରିଡ ଗ୍ରସ୍ତି ଦିବାନ କେନ୍ଦ୍ର ଓ ନାରୀଣ

### କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପୋଷଣ ବାଟିକା ଓ ବୃକ୍ଷରୋପଣ ମହାଭିଯାନ

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#### କିରେଇ କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପୋଷଣ ବାଟିକା କାର୍ଯ୍ୟକ୍ରମ

#### କୃଷି ବିଜ୍ଞାନକେନ୍ଦ୍ରରେ ପୋଷଣ ବାଟିକା ଅଭିଯାନ

### ଗ୍ରାମାଞ୍ଚଳ ମହିଳାଙ୍କୁ ସ୍ୱାବଲୟୀ ଲାଗି ମହୁଚାଷ ଉପରେ ତାଲିମ



#### କୃଷିବିଜ୍ଞାନ କେନ୍ଦ୍ରରେ ପେଟ୍ରୋଲିନ୍ଦମ ସଂରକ୍ଷଣ କୃଷି କମର୍ଶାଳା



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#### Sundargarh-II KVK













#### **Nicobar KVK**









### ANDAMAN & SHEEKHA True Mirror of Andaman and Nicobar Islands

Training Programme cum Exposure Visit on Agriculture and Allied Sectors for the Tribal Captains and Progressive Farmers of Nicobar Islands conducts at ICAR-CIARI under STC

Port Blair. Oct o6: ICAR-Central Island Agricultural Research Institute and KVK. South Andar conducted a fraining programme cum exposure visit on agricultural and affect for tribut captains and affect for the section of the section of the section for the tribut captains and progressive farmers of Nicobar Islands under the Scheduled Tribe Component GTOBAL CRAIR LONG TRIBE CHAIR LONG CARRIAGE AND THE SECTION OF THE SECTION O











Workshop on Improvement and Conservation of Native Poultry At Tribal Farming Community, Campbell Bay and Car Nicobar by ICAR-Central Island Agricultural Research Institute, Port Blair



#### TRUE MIRROR OF ANDAMAN AND NICOBAR ISLANDS

Port Bale, Dr. G. Crystello of Annal Science, 2008-Contact traded aggregates and Conservation of Matter. Dear Bale conducted series of searbulage for the days on Engineering and Conservation of Matter. Dealtry or tribal farming overramity Chinges Village, Campbell fast and Stimmel, Yapalming, Naiseco. and Perks villages, Car Micobor from 24-28, November 2022 under tichebiled Tribal Component in and Petras Villages, Casi Norobox Treis 3.6-39, November 2003 and/or Nichelbert Tribid Composition in middlementaria volts IRPT—Bissoric Mann Hed. July Tribins, Desir Capoulo of Chilogrev Village Canagleti Bay, and sex-Openites virs, Nr. Incensors Benjamin, Girmanij, Ave. Nichore, Cispolenings, Mr. Nicobi Orlainceol and Nr. Jenal Develor Desiratio Traini Vivraning Community, Casi Norbox and senjamin to 10 Traini arranges lantening our weemen tribid farmers porticipated in the programmer. In Training Arthur Mannes Complexation of the programmers measured above the importance of concervation of Scholey positivy through Improvement in their production. New explained hove the focusing, bilanced level and feed. additives and vaccination in read paid by improves their several performance in allowining materials deliciously and to -combine significant belience in one books programme of provening calcul-diseases. This will significantly improve the materials occurry at trial terming commonisties through a theoremse of action in practice sources. Bestlers, the materials de-participants is been all the skills to propose value added products to establish their own business. She encouraged them that

#### CIARI Scientists impart agricultural technologies, regenerative agricultural practices to Nicobari farmers at Carnic

PORT BLAIR, MARCH 25/--/ A scientific team of ICAR-Central Island Agricultural Research, Institute, Garacharma visited Tapoiming, Kinyuka, Chukchucha, Tamaloo, Perka and Big Lapathy villages of Car Nicobar between 15th and 22nd March 2022 and conducted capacity building programmes for Nicobari tribal farmers on "Regenerative agricultural practices for Island based Cropping System" and "Agricultural technologies for enhancing the income and nutritional security of tribals" During the programme, Dr. I. Jaisankar, Senior Scientist (Forestry) explained about the use of multipurpose tree species for efficient resource utilization conservation

#### CHAPTER 11

### LESSONS LEARNT

The development of scheduled tribes in our country has become one of the main focuses of Government since independence. Due to the traditional life styles, remoteness of habitations, dispersed central focal points, population and displacement of tribes, it becomes challenging to achieve desired targets of development. The Central Government through involving different Ministries and State Governments prepared various comprehensive plans and implemented those plans from time to time. Tribal Sub Plan or Scheduled Tribe Component was among those plans which was specially developed to cater the basic needs and upliftment of tribal livelihood. As per guidance of the Ministry of Tribal Affairs, Government of India, Indian Council of Agricultural Research under the Ministry of Agriculture and Farmers' Welfare implemented the plan through its Krishi Vigyan Kendras at district level. The districts having more than 50% tribal population were selected as target areas.

Thus, under this zone, 7 districts (9 KVKs) from Odisha state and one district from A & N Islands were identified for implementing the programme. The fund sanctioned from the Tribal Ministry was routed through ICAR, ATARI, Host Organization of KVKs and ultimately, reached to the KVKs. This fund is being used for organizing and conducting various activities like asset creation, OFTs, FLDs, trainings, extension activities, seed and planting materials production, livestock breeds/strains and fish fingerlings production, soil and water testing, sending agro-advisories and conducting other specials programmes decided from time to time by the Ministries.

During the period from 2017-18 to 2022-23, scientists and staff of all 10 concerned KVKs of this zone worked inexorably in properly implementing the scheme at ground level. The excitedness of the tribal farmers towards adoption of new agricultural technologies was very appreciable. In spite of limited resources and manpower at the KVKs under ICAR-ATARI Kolkata, the way KVK personnel engaged themselves in the activities and organized various need-based capacity building training and other programmes both on-campus and off-campus is simply remarkable and unparallel. However, while implementing, like every development programme, this programme also had a mixture of some sweet and sour memories or experiences which are being shared in the following for future considerations. Because, sweet memories always give us inspirations whereas from bitter experiences, we should learn or take lesson. Therefore, it is very essential to properly address those lacunae at every level from planning upto the implementing institutions while preparing the *modus operandi* of such type of mega scheme.

#### Benefits of the scheme

- Capacity building trainings and awareness programmes helped the tribal farmers in realizing the potential needs for improving their skills and scientific know-hows which resulted increase of agricultural production. Hands-on-training was found to be beneficial in adopting new enterprises by the tribal farmers.
- Assets creation in the form of agricultural implements and tools had very good impact among the tribal farmers which facilitated them in performing various agri-operations. The role and responsibility of Government in this aspect should be appreciated.
- Large scale demonstrations, showcasing improved varieties/breeds/strains and latest technological innovations available for the farmers created tremendous impact in agricultural production in the district/state.
- Increase of income through higher production attracted tribal farmers to engage in agriculture i.e. crop, horticulture, livestock and fish production. It also improved their family nutritional security.
- The progressive tribal farmers were recognized by various organizations/institutes for their contribution in agriculture and have been awarded with certificates, prizes and sometimes, with token amounts. It definitely uplifted their socioeconomic status.
- The established tribal farmers became the source of inspiration for other fellow farmers. Sometimes, they were invited as resource person by the KVKs which had very good impact on quick dissemination of new technologies related to agriculture.



- Gradually, tribal farmers were acquainted with using mobile, Apps and other digital platforms to get various agroadvisories provided by the KVKs from time to time.
- Natural farming/ organic farming/ traditional farming gained momentum in tribal areas due to some inherent/ inbuilt factors present in those areas.
- Existing Indigenous Technical Knowledges (ITKs) in the remote tribal districts being used for various agriculture and animal husbandry practices proved promising and therefore, warrant their suitable validation and documentation for further promotion.

#### Problems faced during implementation of scheme along with suggestions for future

- It was very difficult to cover all the blocks in a district within the present limited scientific and technical manpower available at the KVKs for timely organizing some of the programmes. The KVKs faced the difficulty to cover all the targeted activities in all villages within limited time span. There might have been the provision for appointing additional manpower in the form of either Senior Research Fellow or Data Entry Operator or Young Professional or Field Assistant for such type of scheme.
- Non-availability of sufficient fund under Capital and General Head for each KVK to carry out various field activities.
- Availability of fund in time was a problem in conducting activities and procuring materials for the programme. Timely release of funds not only will help to meet the timely payment of bills but also will help in implementation of the programme smoothly.
- High cost of agricultural implements/tools caused problems in procuring bulk items within the stipulated budget of KVKs
- Procuring implements and tools following Govt rule was another problem under field conditions. Purchase procedure should be made easy.
- Being the remote villages, internet facilities were very poor. At that juncture, it was a herculean task for the KVKs to contact and to conduct some programmes on time. Most cases, tribals were not capable of purchasing smart phones due to their financial constraints. Use of advance technology was not possible in such cases.
- While implementing scheme, the convergence with other departments in the district was missing. A systemic, holistic and integrated approach in executing programmes through convergence mode by involving all stakeholders definitely helped the farmers to take agriculture to a new height.
- ❖ Early marriage of tribal youth might have forced them to engage with other non-agricultural activities.
- t was very difficult to change the mindset of tribal farmers from their regular activities as agricultural labourer towards adoption of agricultural farming with new technologies, practices and inputs.
- Lack of participation in community activities affected their choice in taking agriculture as enterprise. Creating awareness and motivating tribal youth may help them to participate.
- Financial instability and small land holding of tribal family resulted unwillingness to engage in agriculture. Proper counselling may change their attitude.
- ❖ The tribals were not concerned about the judicious use of their leisure hours.
- Routine follow up of different activities conducted by the KVKs was lacking due to heavy engagement in other non-mandated activities. Regular monitoring and feedback can improve the situation.
- Transportation and communication facilities also created problems in successful implementation of the programme.









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