

भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान, कानपुर
ICAR-AGRICULTURAL TECHNOLOGY APPLICATION RESEARCH INSTITUTE, KANPUR

An ISO 9001:2015 Certified Institute

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Director's Desk



Presently 83 KVKs are functional under Uttar Pradesh whereas the new KVKs in District Azamgarh-II, Moradabad-II, & Raebareli-II are in the process of approval from the council. For KVK Allahabad-II land is made available by U.P. Govt. and very soon site selection committee will visit this site. Moreover, KVKs are doing their mandated activities as well as capacity development programmes for strengthening of KVK personnel as well as farmers.

Our team ATARI is having interactive meeting for CRM project for monitoring, interaction with scientists under Farmer FIRST project, compilation of APR 2018-19, participation in national review workshop of NICRA project, IAS probationers', training was on all about working and activities of KVKs in district level. The workshop on TSP, KSHMTA and ARYA was also organised. Further, we are expecting that more Training & awareness programmes on CRM, Jal Sanchay, DAMU, CFLDs on pulses, oilseeds, pulses seed production under Seed Hubs etc may be organised for the beneficiaries. Water conservation, quality seed and planting material production, implementation of contingency crop planning in the less rainfall during kharif season. Processing & marketing are the issue to be tackled. Further, road map prepared for doubling the farmers income in two selected villages.

- Atar Singh

Interaction meeting of NDUAT KVKs at ICAR-IIVR, Varanasi

An Interaction meeting was organised at IIVR, Varanasi on 8.4.2019. This meeting was Chaired by the Former-DG, Dr. Punjab Singh, President, NAAS, New Delhi & Chairman, FAARD, Varanasi and also graced the occasion by the DDG (AE), Directors of ICAR Institutes & Heads of KVKs were also present. Two Sessions were conducted Technical –I on Presentation of 13 participating Heads of KVKs on current initiatives and future plan for entrepreneurship development, farm diversification and income generation among the farmer's/farm women and youth in their district and Technical Session - II was on Success story by 13 participating farmers also highlighted on seed production, vegetable production, organic farming, honeybee, mushroom production, value addition etc. The DDG (AE) briefed the way forward for effective transfer of technologies through KVKs. Dr. Panjab Singh focused on Awareness, Trainings, input availability as seed at KVKs linking with other KVKs, multiply technologies salable technologies identification, technologies information through a FAARD publication reach to the KVKs & farmers.



Participation in the High level meeting on CRM

A High Level meeting on 'Promotion of Agricultural Mechanization for *in-situ* Management of crop residue in states of Punjab, Haryana, Uttar Pradesh, and NCT of Delhi was held on 29.05.2019 at Krishi Bhawan, New Delhi. The cases of burning reduced to a great extent in UP, Haryana & Punjab. A discussion was held for Demonstration conducted at KVK,

No. of Farmers involved in the demonstration, number of training programmes conducted, awareness



programme, kisan mela organized, mobilization, award etc.

In the meeting. The following issues were raised and discussed for needful action as given below:

- The physical, financial and technical targets reviewed as machines, demonstration, IEC activities.
- The State Agril. Universities should be ensured to utilize the budget for purchasing of the equipments.
- There is need to create much awareness on crop residue management further.
- To be doubled for purchasing of the IEC component under the budget utilization and continue IEC in large scale- incentive.
- Soil should be improved and fertile by residue management.
- Unspent balance can be utilized for purchasing of the machines as per approval
- List of demonstrations of farmers should be made available to the Ministry of Agril. & Farmers Welfare.
- Each & every village should be checked the demonstration and activities on CRM and motivation should be initiated farmers wise from student of colleges & Universities.
- Success stories should be developed and published in News Paper & be given to DD Channel.
- There should be a comprehensive publication of KVK and state government from the flexi fund.
- Insect, pest and other problems should be taken care.
- Mobile App to be launched.
- Impact Study should be developed by the State.
- Non residue burning KVKs to be shifted in those areas where problem exists.

Review of activities of KVK Mainpuri

ICAR-ATARI, Kanpur Director Dr. Atar Singh and Director of Extension CSAUAT, Kanpur Dr. Dhoom Singh visited KVK Mainpuri and reviewed the activities of KVK Mainpuri on 04.05.2019 and they suggested to establish the crop cafeteria, ICT laboratory, museum, etc. so that they may develop KVK as the knowledge and resource centre of the district. The team observed that the KVK needs immediate face lifting by putting functional demonstration units in its premises and nearby villages. Most importantly, livestock and horticultural based farming systems need specific planning and implementation and continued support from the University. They monitored the fields of beneficiary farmers and discussed about sowing time, seed rate, fertilizer application, pest, disease and weed management and varietal performance. After visit, it was discussed with farmers about doubling farmers' income and want to know the farmers' expectations from Krishi Vigyan Kendra.



Monitoring of demonstrations & interaction meeting under Farmers FIRST Project at Fatehpur district

Dr. Atar Singh, Director, ICAR-ATARI, Kanpur along with Dr. Shantanu Kumar Dubey PS, ATARI; Dr. Rajesh Kumar PS & PI of Farmer FIRST Project and Dr. Devraj PS, ICAR-Indian Institute of Pulses Research, Kanpur made the visit to Karchalpur village

under Devmai Block of Fatehpur under Farmer FIRST Project on 16/05/2019. They also visited demonstration of mungbean fields, poultry units, goat and Agri.-Horti. system conducted under Farmer FIRST Project at Karchalpur, Mirai and Kharauli villages. Dr. Singh appreciated the work done under Farmer FIRST Project and also provided suggestions of improvement of the project. The Farmer- Scientist interaction meeting was also organized with the farmers of Karchalpur village and provided feedback about the different interventions implemented under the project in three villages Karchalpur, Kharauli and Mirai village of Deomai block, Fatehpur district. All together 50 farmers attended and interacted the programme. The Village Pradhan also gave his feedback on impact of technologies demonstrated and raising the production and income of the villagers by scientific technology demonstrations on pulses, oilseed, cereal, etc since 2016-17 till date.





Compilation of Annual Report of NGO & Educational Institutes' KVKs at KVK, Allahabad

Compilation of Annual Progress Report of NGO & Educational KVKs was done on 27 & 28 May 2019 at KVK Allahabad by the team of Mr. Vinay Dhar Shukla, YP-II, ICAR-ATARI, Kanpur; Dr. Navin Sharma, Scientist (PP), KVK Kaushambi; Shri P.K. Upadhyay, Prg. Asstt (Computer), KVK Pratapgarh; Shri Ashish Kumar Bajpai, Prg. Asstt (Computer), KVK Ghazipur; Mr. Sanjay K. Lal PrgAsstt (Computer), KVK Allahabad and Mr. Govind Kumar Gupta, Prg. Asstt (Computer), KVK Mathura under the guidance of Dr S. D. Ma Carty, Head KVK Allahabad and Dr. Ajay Kumar, Head KVK Kaushambi. On Farm Trial (Table & Details), FLDs of crop, livestock & others, training, seed, planting material, livestock, bio product production, staff details, extension activity, other extension activity, summary report were compiled during 27-28 May 2019.



Annual Review and Action Plan Workshop of KVKs under NICRA-TDC organized at ICAR-CRIDA, Hyderabad

Three day Annual Review Workshop of 121 KVKs involved in the Technology Demonstration Component of National Innovations in Climate Resilient Agriculture (NICRA) was held at ICAR-CRIDA-Hyderabad during 4-6th June 2019.



Dr. A.K. Singh, Deputy Director General (AE), ICAR; Dr. S. Bhaskar, Assistant Director General (A, AF & CC), Directors of seven ATARIs and nodal officers of ICAR-ATARIs, Directors, Chairman, Zonal Monitoring Committee, Scientists/SMS from 121 KVKs and CRIDA Scientists participated in this Workshop.

In the Inauguration session, Dr. A.K. Singh, DDG (AE) highlighted the lasting impact of NICRA project in agriculture at national and village level in India and its salient achievements of the programme and the need for the spread of the resilient practices. The strategy document is needed for up scaling and out scaling the NICRA experiences.. These NICRA villages need to make aware of the children about its impact on carbon sequestration, water logged/flooded etc.

Third party evaluation of NICRA is being done. He stressed the need for linkage with other states. There was Focus on CHC also and KVK should also keep the machines at their KVKs. Fodder bank and seed bank are weak links. In the inaugural function, the technical bulletin on **Adaptation of Climate Resilient**

Technologies In Uttar Pradesh: Experiences of KVKs was released by the DDG (AE) and other dignitaries.

In this function two KVK namely Gonda & Chitrakoot have been awarded with the best NICRA KVKs of Zone-III, ICAR-ATARI, Kanpur. On this occasion, 22 best performing KVKs in the project were awarded. Annual Action Plan 2019-20 and one more publications was also released entitled “*Impact of NICRA Activities during 2015-16 to 2017-18*”.

Training programme attended

Dr. Shantanu Kumar Dubey, PS(AE) of this institute attended the 12 day MDP for pre-RMP on leadership development from 11-22 June, 2019 at ICAR-NAARM, Hyderabad. During this training programme, the different components have positive thinking, leadership style, goal setting, stress management etc were focussed. Besides, those were sessions on RTI, procurement system, vigilance and documentation system in ICAR were also discussed. There were 25 participants from different ICAR Institutes and SAUs who attended this training programme.

Establishment of additional KVK in District Raebareli

A Committee constituted by ICAR visited the site at Rajkiya Krishi Prakshetra, Paltikheda in district



Raebareli on 20 June, 2019 for the establishment of additional Krishi Vigyan. Chairman, Dr. Gaya Prasad, VC, SVPUA&T, Meerut; Member Secretary Dr. Atar Singh, Director, ICAR-ATRI Kanpur and Members Dr. S.N. Singh, PS, IISR Lucknow; Dr. S. S. Singh, Head KVK Almora; Dr Dhoom Singh, DE, CSUA&T, Kanpur; officials from existing KVK Raebareli & Line Department were also present during the visit.



Celebration of International Yoga Day

5th International Day of Yoga was organized at ICAR-ATARI, Kanpur on 21.06.2019. In this programme, all the officials of ATARI assembled in the conference hall of ATARI at 9:00 am. Under the guidance of Dr. Atar Singh, Director and Dr. Shankar Singh, Consultant all the officials learned and did the yoga practice. *Suryanamaskar, pranayams, bhujagnasan, trikonasan, padhastasan, parvatasan, naukasan* etc are some of the yogas techniques did by all the staff. After the yoga, the staff enjoyed fruit juice.





KVKs of Uttar Pradesh celebrated International Day of Yoga on 21.06.2019. On this occasion every staff of KVK gathered at their respective centers in the morning and followed and learnt the steps of yoga. Yogas such as Bhujangasan, Tadasan, Padhastasan, Halasan, Naukasan, Pranayam (*kapalbhati, bhrumri, etc*) did by every staff.



Organised IAS Probationers Training Programme on "Agrarian Structure and Rural Development" at ICAR-ATARI, Kanpur

IAS probationers training programme on agrarian structure and rural development on 27 June 2019 in ICAR-ATARI, Kanpur. The training was given by Director of ICAR-ATARI, Kanpur Dr. Atar Singh and Principal Scientist (AE) Dr. Shantanu Kumar Dubey. Training was on all about working and activities of KVKs in district level. KVKs are working scientifically in the coordination of state agriculture department and line department for the welfare of Farmers in village.

Review and Action Plan Finalization Workshop on TSP/KSHAMTA

One day Annual Review workshop of 8 Tribal KVKs (Lakhimpurkhiri, Balrampur, Sonbhadra, Chitrakoot, Beharaich-II, Lalitpur, Mahoba & Jhansi) involved in the TSP/Knowledge Systems and Homestead Agriculture Management in Tribal Areas (KSHAMTA) project was organised on 28 June 2019 at ICAR-ATARI, Kanpur.

In the Inauguration Session, Dr. S. K. Dubey, PS of this institute highlighted the lasting impact in TSP Villages at village level in Uttar Pradesh and also told about salient achievements of the programme. Dr. Dubey suggested to all KVKs to prefer low water consuming and high yielding varieties of crops in the demonstration. Production of Crop & Livestock can also be increased through training of tribal farmer's. All participating KVKs also presented their progress report of 2018-19 and action plan of 2019-20.

Dr. S.K. Dubey, PS; Dr.Sadhana Pandey, PS and other Co.PIs from KVK and members of Zonal Monitoring Committee also participated in the Workshop.

Orientation Workshop on “Attracting & Retaining Youth in Agriculture”

One day Orientation workshop on “Attracting & Retaining Youth in Agriculture (ARYA)” of 10 KVKs (Muzaffarnagar, Saharanpur, Basti, Varanasi, Gorakhpur-I, Lucknow, Deoria, Ghazipur, Pratapgarh & Kaushambi) was organized on 29/06/2019 at ICAR-ATARI, Kanpur. At the outset Dr. S.K. Dubey PS (AE), welcome all the participants and shared the origin of ARYA project at Country level initially with 25 districts. Considering the encouraging results of this project in 2019, 100 KVKs are included in this project. All income generating enterprises are selected as the intervention in this project. In every ARYA project 200 youth covering different enterprises are to be covered. Dr. Atar Singh Director ICAR-ATARI, Kanpur said that rural youth migration is growing from villages to city every day. ARYA project shall help to halt such migration of rural youth by developing enterpenureship among them. KVKs are to apply need based location specific interventions in ARYA.

Project for entrepreneurship development rather than the traditional demonstration of technology among youth. In Uttar Pradesh 10 KVKs have been sanctioned ARYA project which represent different host institutions namely SVPUIAT, Meerut (2 KVKs); NDUAT, Faizabad (3 KVKs); ICAR institutes (2 KVKs) and NGO (3 KVKs), Dr Atar Singh further added. Other KVKs were also asked to present their action plan, time frame and strategies to implement ARYA project in most effective manner. Based on the discussion, following decisions were also taken.

- Every new KVK has to identify the potential rural youth in the respective enterprises which they have selected. The selection process needs to be very careful as this will decide the success or failure of the project.
- KVK, Muzaffarnagar has to bring out the complete and detailed document (enterprise wise and farmer wise) of experiences of ARYA project right from beginning till date so that it may be compiled and printed suitably.
- KVK, Muzaffarnagar was also instructed to bring

out the reasons for which the youth are continuing the given enterprises and also the reasons of discontinuance of the enterprises in details in the research paper format.

- The benchmarking of the selected youth in every enterprises must be done by every KVK so that advantages incurred on various income and employment parameters may be compared in future.
- House felt if there could be possibility to employ the young professionals (YP1) in every project to facilitate the effective execution of the project. Therefore, it was decided that this p[proposal shall be mooted to ICAR for getting their concurrence or otherwise.



Evaluation of AC & ABC Centres

Dr Sadhna Pandey, PS(H.Sc Extn.) visited KVK Unnao (04.07.2019) and Lucknow (06.07.2019) to evaluate the proposal of these two centres to establish the AC & ABC sponsored by MANAGE, Hyderabad. She was joined with Director, MANAGE, Hyderabad; DDM (NABARD) and other officials in this process. Like wise Dr Shantanu Kumar Dubey, PS(AE) visited PRDF, Gorakhpur (06.07.2019) to evaluate the organisation for establishment of such center. In both the meeting all three centres were evaluated on the parameter of training-infrastructure availability, trainees hostel availability and resource person availability besides the other supporting logistics.

Quarterly Progress Report (April-June, 2019)

Particulars	No. of OFT	Beneficiaries
No. of technologies taken up for On farm trials	145	2421
Front Line Demonstration	No. of farmers	Area (ha)
Oilseeds	695	256.29
Pulses	2318	164.29
Other crops	3369	114.43
Total	6382	535.01
	Courses	Participants
Training of farmers including farm women, rural youths and sponsored programme	1145	25538
Training of Extension Personnel including sponsored programme	118	3061
Total	1263	28599
Extension activities (Participants)	-	779992
Soil sample tested	2611	5666
Seed produced (q)	10017.04	
Sapling produced (No.)	86484	



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