



हर कदम, हर दमर
किसानों का हमसफर
भारतीय कृषि अनुसंधान परिषद

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icar - kvk ernakulam newsletter

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Fish harvest in progress at Pokkali fields, Pizhala, Ernakulam



Shri. Sreenivasan visiting KVK exhibition stall, Rajendra maidan, Ernakulam



Dr. A.K. Singh Deputy Director General (Agricultural Extension) ICAR launching Fishlizer, CMFRI, Kochi



ICAR - KRISHI VIGYAN KENDRA (ERNAKULAM)
ICAR - CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

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MANDATES

The overall mandate of ICAR-KVK is to develop and disseminate location specific technological modules at district level through Technology assessment, refinement and demonstration and to act as knowledge and resource centre for agriculture and its allied activities. The specific activities to carry out this mandate are:

- Conducting on-farm testing to identify the location specificity of agricultural technologies under various farming systems
- Organizing frontline demonstrations to establish production potential of various crops and enterprises in farmers fields
- Organizing need based training for farmers to update their knowledge and skills in modern agricultural technologies related to technology assessment, refinement and demonstration, and training of extension personnel to orient them in the frontier areas of technology development.
- Creating awareness about improved technologies to larger masses through appropriate extension programmes.
- Production and supply of good quality seeds and planting materials, livestock, poultry and fisheries breeds and products and various bio-products to the farming community.
- Work as resource and knowledge centre of agricultural technology for supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district.



Director's Message



Krishi Vigyan Kendras are district level units of Indian Council of Agricultural Research functioning with major objective of district level agricultural development by spreading latest technologies among farmers. In order to achieve this larger objective, KVK has experts from all fields of Agriculture. The area of operation of Krishi Vigyan Kendra of ICAR – Central Marine Fisheries Research Institute is Ernakulam district. This KVK has been working for the agricultural development of Ernakulam district since 1976. Major achievements of this KVK are popularisation of prawn culture, mussel culture, cage fish farming, open precision farming, rain shelter farming, Kadaknath poultry, setting up of satellite seed production centres, introduction of package for revival of Pokkali farming system, etc. Currently, KVK is giving thrust towards quality control of organic farming inputs. There is a sales counter functioning at CMFRI to supply quality inputs to farmers. KVK has formed a task force to set up home vegetable garden with a view to support the organic vegetable farming initiatives in the district.

KVK has collaborated with Kudumbasree Mission in producing and supplying quality organic manures in the district. Capacity building programme for one selected Kudumbasree Joint Liability Group has been initiated recently. KVK has launched Fishlizer, an organic manure made out of fish waste collected from Ernakulam market as part of its Swatch Bharath Abhiyan, a call of Hon'ble Prime Minister of India. It is planned to scale up Fishlizer production as a model waste disposal cum organic farming promotion initiative in the district.

We understand that major problem of farmers is issues in marketing of their produce. In order to assist farmers, KVK in collaboration with NABARD is forming farmer producer organisations.

The objective of this newsletter is to spread information about the programmes of KVK with a view to invite fruitful future collaborations from peer institutions, line departments, research organisations and most importantly, the farmers to work together in the coming years for the betterment of Agriculture and ensuring safe food for the public.

With best wishes

(A. Gopalakrishnan)
Director

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With Best Compliments From

Director
ICAR- CMFRI

Senior Scientist & Head
ICAR-KVK Ernakulam of CMFRI





Dr.A.K.Singh, Deputy Director General visiting KVK's Cage demonstration sites near Pizhala, Ernakulam

THE DEPUTY DIRECTOR GENERAL (AGRICULTURAL EXTENSION) VISITED ICAR-KVK

Dr. A. K. Singh, Deputy Director General (Agricultural Extension), ICAR, New Delhi visited KVK on 12th August 2015. He reviewed the activities of KVK and suggested ways to improve its functioning towards overall agriculture development of Ernakulam district. Subsequently he visited KVK's partner-farmer's fields and cage fish culture sites located in Kadamakkudy and Pizhala. The DDG suggested to scale up cage culture model towards enhancing safe fish production to ensure livelihood and nutritional security of island community.

ICAR-KVK'S ENTREPRENEURSHIP DEVELOPMENT PROGRAMME HANDBOOK RELEASED

Dr. S. Ayyappan, Secretary, Department of Agricultural Research and Education (DARE) & Director General, ICAR released hand book entitled "Samrambhakthwa Parisheelana Paripadi" of KVK brought out as part of Entrepreneurship Development Programme (EDP) on "Climate Resilient Aquaculture" conducted with NICRA funding. The release was during NICRA review meeting on 13th August 2015.



Director general ICAR Releasing KVK's NICRA EDP hand book

ICAR-KVK DEMONSTRATED FARM GATE MARKETS FOR POKKALI FISH

With a view to popularize nutritionally rich, naturally organic Pokkali fish while ensuring enhanced income for farmers, KVK demonstrated “Farm gate markets” at 7 locations in Kadamakkudy, Pizhala, Cherai and Puthuvypu on 4th and 5th April 2015. The programme was inaugurated by Kadamakkudy Grama Panchayath president Smt. Valsa Francis at Kadamakkudy and by Pallippuram Grama Panchayath president Smt. Chinnama Darman at Cherai. Live fishes were sold at premium price which avoided middlemen and thus helped the farmers earn more profit. About 2000 fish lovers visited the Farm gate markets.



Pokkali Fish harvest & marketing in progress at Pizhala during the Farm Gate Market demonstration

ICAR-KVK DEMONSTRATES BIOLOGICAL MANAGEMENT OF AQUATIC WEEDS IN PUBLIC PONDS

KVK commenced demonstration of aquatic weed management in public ponds by growing Grass Carp (*Ctenopharyngodon idella*) fish. This fish feeds on aquatic weeds up to the extent of 2 to 3 times of its body weight and it grows upto 50kg. Since this fish cannot breed in ponds, its management is easy. The programme was inaugurated on 21st July 2015 at Kodamkulam, Thripunithura by Thripunithura Municipal Chairman Shri. R. Venugopal. ICAR-Central Marine Fisheries Research Institute Director Dr. A. Gopalakrishnan gave key note address.



Fish fingerlings being released for aquatic weed control demonstration in a pond at Kudamkulam, Tripunithura

TASK FORCE FOR SETTING UP KITCHEN GARDENS WITH ICAR-KVK BACKSTOPPING

Kitchen gardens towards organic vegetable production in urban homes in Kochi. Vegetables planted in grow bags and a 100 days schedule indicating crop care and management would be supplied by the task force. They also supply quality organic inputs. As part of this programme, KVK conducted a series of training programmes also at various locations in Kochi Corporation. Total of 350 persons were trained.



KVK's task force member getting growbags ready for installation

ICAR-KVK TAKING PART IN PROJECT ON ENHANCING EFFICIENCY OF COCONUT BASED LAND USE SYSTEMS

KVK is taking part in a multi-institutional project funded by Kerala State Planning Board on "Enhancing the efficiency of coconut based land use systems for land use planning in Kerala state". The project fields are located at Ezhattumgham and

Mukkannur in Ernakulam district. The objective of this project is to enhance the coconut production through soil management. Scientific management of intercropped nutmeg in coconut plantations also forms part of this project.



Coconut project Programme launching by Angamaly MLA Jose Thettayil on 10-10-2015

ICAR - KVK DEVELOPED 'USERS MANUAL' FOR ORGANIC VEGETABLE FARMING

KVK developed a Step by Step daily schedule of operation "Jaiva pachakkari krishi- 100 dina paripaadi" for homestead vegetable farmers. It is an easy 'users manual' for anybody venture into Vegetable farming. This schedule contains all crop management practices required to be done for a period of 100 days for all vegetable crops. The printed copies are available at CMFRI ATIC-KVK sales counter and soft copy can be download from KVK website.



ക്രമ നമ്പർ (Serial Number)	പ്രവർത്തനം (Activity)	ദിവസം (Day)
1	മുളകൾ മുളയ്ക്കൽ	1-10
2	പുഴുപുറം നീക്കം	1-10
3	പുഴുപുറം നീക്കം	1-10
4	പുഴുപുറം നീക്കം	1-10
5	പുഴുപുറം നീക്കം	1-10
6	പുഴുപുറം നീക്കം	1-10
7	പുഴുപുറം നീക്കം	1-10
8	പുഴുപുറം നീക്കം	1-10
9	പുഴുപുറം നീക്കം	1-10
10	പുഴുപുറം നീക്കം	1-10
11	പുഴുപുറം നീക്കം	1-10
12	പുഴുപുറം നീക്കം	1-10
13	പുഴുപുറം നീക്കം	1-10
14	പുഴുപുറം നീക്കം	1-10
15	പുഴുപുറം നീക്കം	1-10
16	പുഴുപുറം നീക്കം	1-10
17	പുഴുപുറം നീക്കം	1-10
18	പുഴുപുറം നീക്കം	1-10
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20	പുഴുപുറം നീക്കം	1-10
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22	പുഴുപുറം നീക്കം	1-10
23	പുഴുപുറം നീക്കം	1-10
24	പുഴുപുറം നീക്കം	1-10
25	പുഴുപുറം നീക്കം	1-10
26	പുഴുപുറം നീക്കം	1-10
27	പുഴുപുറം നീക്കം	1-10
28	പുഴുപുറം നീക്കം	1-10
29	പുഴുപുറം നീക്കം	1-10
30	പുഴുപുറം നീക്കം	1-10

TEHNOLOGY DEMONSTRATED BY ICAR-KVK GETS SUBSIDY SUPPORT FROM STATE GOVERNMENT AGENCY

Subsequent to the success of KVK's integrated cage fin fish farming in Pokkali fields and also in granite quarries, the Fish Farmers Development Agency (FFDA) under the State Government has initiated a subsidy scheme to further popularize this technology. Under this scheme, the agency support fish farming in open Pokkali fields, cages sited in Pokkali fields and also in granite quarries. Total of 100 ha open fields and 50 cage units, each comprising 2 cages would receive financial assistance (INR8000/- per cage unit and INR20,000/- per ha open field) from the agency this year. KVK is the technology partner in this programme, which will extend technology backstopping to the farmers.



Partner farmer Fr. Jacob Mulavarickal at cage culture demonstration site, in a granite quarry Karukutty, Ernakulam

SWACHH BHARATH INITIATIVE

ICAR-KVK LAUNCHED 'FISHLIZER' - AN ORGANIC FERTILIZER FROM MARINE FISH WASTE



KVK launched a new organic fertilizer from marine fish waste - 'Fishlizer' as part of its Swachh Bharat initiative. The product was launched by Dr. A.K. Singh, Deputy Director General (Agricultural Extension) of Indian Council of Agricultural Research on 14th August 2015 at ICAR-CMFRI. This product is produced through microbial degradation of marine fish waste in coir pith medium, a waste product from the coir industry. Fishlizer contains all essential

elements for plant growth. The amino acids present in the marine fish would enhance flowering and fruit setting in plants, favouring enhanced production. The Fishlizer is available for purchase in 500gm packets at ICAR-CMFRI-ATIC/ KVK Sales Counter. The standard recommendation is 200 g Fishlizer per grow bag as basal dose and subsequent 50 g at every 15 days interval.



Fish wastes from Ernakulam market being converted as organic fertilizer at KVK



INTERNATIONAL TRAINEES VISITED ICAR-KVK'S FIELDS

As part of US-INDIA-AFRICA Triangular International Training Programme on "New Dimensions in Agricultural Extension Management" organized by National Institute of Agricultural Extension Management (MANAGE), Hyderabad, four Extension Functionaries from Kenya, Malawi and Liberia visited KVK partner farmer's Pokkali fields on 11th August 2015.



International Trainees visiting KVK partner farmer's Pokkali fields, Kadamakudy, Ernakulam.

KVK-KUDUMBASHREE COLLABORATION ACKNOWLEDGED

The District Kudumbashree Mission, Ernakulam as a token of appreciation towards the technology backstopping provided by KVK in their agriculture projects, presented a memento to KVK during their Anniversary celebrations at Kalamassery Town Hall on August 20th, 2015. Shri.Anwar Sadath, MLA presented the memento on behalf of Kudumbashree.



KVK Sr. Scientist and Head Dr. Shinoj Subramannian receiving memento from MLA Shri. Anwar Sadath



Awareness programmes on Quality control in Organic farming at Aiyampuzha, Ernakulam

ICAR-KVK CONDUCTED AWARENESS PROGRAMMES ON QUALITY CONTROL IN ORGANIC FARMING

KVK conducted 5 awareness programmes on Quality control in Organic farming with special reference to quality of organic inputs. Programmes were conducted at Kalady, Kothamangalam, Aiyampuzha and Thirumarady. A total of 870 farmers attended these programmes. Low quality inputs will reduce the yield of crops and in turn lead to loss of confidence among organic farmers.

ICAR-KVK PROMOTES GOAT FARMING FOR SAFE MEAT PRODUCTION IN ERNAKULAM

KVK, is promoting Goat farming as a profitable venture for safe meat production in the district. With a view to mentor a goat farmer Producer Company and also to create entrepreneurship among youngsters, KVK conducted farmer interfaces in collaboration with Animal Husbandry department in Vypeen block. KVK is preparing a directory containing contact details of all category of Goat farmers, cage /shed manufacturers, meat dealers and other related entrepreneurs in Ernakulam district.

DECCAN CHRONICLE FRIDAY 10 JULY 2015 KOCHI

■ To set up farmer producer company

KVK to promote goat farming for safe meat

SMITHA N | DC
 KOCHI, JULY 9

Krishi Vigyan Kendra, Ernakulam is planning to promote goat farming as a profitable venture for safe meat production. To develop goat farming as a sustainable venture, KVK is planning to constitute a Farmer Producer Company.

The Kendra is also collaborating with ICAR-Central Institute of Research in Goats, Makhdoom, Uttar Pradesh for recent technological inputs for the programme.

In the first step, the agency will prepare a directory of goat farmers, stable or shed manufacturers, meat dealers and related entrepreneurs in Ernakulam district.

"Goat rearing is easy and profitable enterprise when compared to cow farming. Not big



HUGE DEMAND

■ With a requirement of 3.5 lakh metric tonnes per annum, Kerala is the highest consumer of meat

■ However the state's domestic production is only about 2 lakh metric tonnes

investment is needed and even women and children can easily manage the animals. KVK has proposed the initiative to ensure availability of safe to eat meat," said Shinoj Subramannian, programme coordinator and senior scientist, KVK.

In view of the scare of use of antibiotics in chicken and poor hygiene standards of other meats, there has been high demand for domestically produced meat products. With a requirement

metric tonnes per annum, Kerala is the highest consumer of meat while the state's domestic production is only about 2 lakh metric tonnes.

The Farmer Producer Company will give training and support in rearing the animals. Goat meat is one of the choicest meats and has huge domestic demand. Despite being classified as red meat, goat is leaner and contains less cholesterol, fat than both pork and beef.

PRE-KHARIF CAMPAIGNS

KVK conducted a Pre-Kharif campaign in collaboration with Greater Cochin Development Authority (GCDA) during 18-27th August, 2015. The Jaiva Pachakkari Mela of GCDA was inaugurated by Shri. Sreenivasan, Cine artist. Shri. Hybi Eden, MLA, Shri. Tony Chemmany, Mayor and Shri. N. Venugopal, Chairman, GCDA participated. The KVK stall displayed various KVK products, publications, technology posters etc.

Nearly 2500 farmers visited ICAR-KVK stall and 200 farmers participated in the one day Homestead organic farming training programme held on 24th August 2015.

KVK participated in the Pre-Kharif Workshop and agricultural exhibition “Unarvu” organized by KVK Kottayam during 14th and 15th August, 2015. Approximately 1000 number of farmers visited Emakulam KVK stall.



Shri. Sreenivasan, Cine artist. and Shri. Hybi Eden, MLA, releasing KVK's handbook

PHONE-IN PROGRAMME

A phone in programme was conducted as a collaborative programme between KVK and Malayala Manorama daily at Malayala Manorama, Kochi office on 12th May, 2015 on the topic “Organic farming of vegetables in homesteads”. Nearly 100 calls attended and detailed half page report highlighting important queries and answers published by Malayala Manorama daily was taken to approximately 3 lakh numbers of its readers in Ernakulam district.



PROGRAMME PARTICIPATION

1. Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) attended the review meeting of Kerala State Planning Board funded project "Enhancing the productivity of coconut based land use systems for land use planning in Kerala state" at Central Plantation Crops Research Institute (CPCRI), Kasargod on 9th April, 2015.
2. Dr. Shinoj Subramannian, Sr.Scientist and Head attended two days workshop on 'Making engineering scientists' contribution more meaningful to stakeholders and the nation' at Indian Council of Agricultural Research (ICAR), New Delhi during 13-14th April, 2015.
3. Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) attended the review meeting of the project "Pest surveillance based crop advisory" at SAMETI, Trivandrum and presented the achievements of the project on 18th April, 2015.
4. Dr. Shinoj Subramannian, Sr.Scientist and Head and Dr. P.A Vikas, Subject Matter Specialist (Fisheries) attended the project presentation meeting "Development of Pearl Spot Seed Production Training Facility and Establishment of Satellite Centres in Prospective Farmers fields" at National Fisheries Development Board (NFDB) on 24th April 2015.
5. Dr. Shinoj Subramannian, Sr.Scientist and Head participated in Annual Review meeting of ICAR-KVKs of Zone VIII held at University of Agricultural and Horticultural sciences, Shimoga during 20-23rd May, 2015.
6. Dr. K. Smita Sivadasan, Subject Matter Specialist (Animal Husbandry) attended the 37th meeting of Zonal Research and Extension Advisory Committee (ZREAC), Central Zone at Regional Agricultural Research Station (RARS), Pattambi on 2nd June, 2015 .
7. Dr. Shinoj Subramannian, Sr.Scientist and Head participated in ICAR-KVK National Conference and ICAR Foundation day ceremony held at Patna,Bihar during 24-27th July, 2015.
8. Dr. Shinoj Subramannian Sr.Scientist and Head, Dr. P.A Vikas, Subject Matter Specialist (Fisheries), Shri. F. Pushparaj Anjelo, Subject Matter Specialist (Agricultural Extension) and Dr. K. Smita Sivadasan, Subject Matter Specialist (Animal Husbandry) attended Farmer Producer Company project meeting organized by National Bank for Agriculture and Rural Development (NABARD) at Krishi Vigyan Kendra Trissur on 4th August 2015.
9. Dr. Shinoj Subramannian, Sr.Scientist and Head, Dr. P.A Vikas, Subject Matter Specialist (Fisheries), Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) and Dr. K. Smita Sivadasan, Subject Matter Specialist (Animal Husbandry) attended the 4th Review meeting of National Innovations in Climate Resilient Agriculture (NICRA) project at ICAR-CMFRI, Kochi during 13-14th August 2015.
10. Shri. F. Pushparaj Anjelo, Subject Matter Specialist (Agricultural Extension) participated in one day workshop organized by ATARI, Zone VIII, ICAR, Bengaluru on "Role of ICAR-KVKs in Farmer Producer Organizations", at ICAR-KVK, Namakkal on 11th September, 2015.
11. Sreeletha P., Subject Matter Specialist (Home science) attended the ICAR sponsored short course on Processing machineries, product diversification and entrepreneurship development in Tuber crops at CTCRI, Trivandrum during 14-23rd September, 2015.
12. Dr. Shinoj Subramannian, Sr.Scientist and Head attended workshop on Vrikshaayurveda organized by Kerala State Planning Board at Muscot Hotel, Trivandrum on 18th September, 2015.

PUBLICATIONS

POPULAR ARTICLES

1. Vikas P.A & Shinoj Subramannian. 2015. Karuthamuthinu peru Pearl Plus. Kerala Karshakan April, Volume 60, No.9(65).
2. Dipti N.V. & Shinoj Subramannian. 2015. "Importance of liming" .Karshakashree . May , Volume 21, No.5 (68).
3. Vikas P.A & Shinoj Subramannian. 2015. Pokkali Punarujeevanathinu puthiya krishi reethi. Samrambham. June , 22-25.
4. Shoji Joy Edison, Dipti NV and Shinoj Subramannian. 2015. " Jaiva Pachakkari Krishi-100 dina paripaadi" .Krishi Vigyan Kendra publication series-3/ August 2015.
5. Vikas P.A & Shinoj Subramannian. 2015. Karimeeninu Muttayidan Kulamorukkam. Kerala Karshakan August , Volume 61, No.1, 14-15.
6. Pushparaj Anjelo F. 2015. Veppin Pinnakku Karshakar Ariyendathu. Karshakashree. August, Volume 21 No.8,
7. Shoji Joy Edison and Pushparaj Anjelo F.2015. "Veettavashyathinu kariveppu krishi" . Karshakashree .September,Volume 21,No.9, 47-48.
8. Smita Sivadasan K. 2015. "Pineapple Silage". Karshakashree.September, Volume 21, No.9, 94.

BOOKS

1. Shoji Joy Edison, Dipti N V and Shinoj Subramannian .2015. "Jaiva Pachakkari Krishikkoru Kaipusthakam", Krishi Vigyan Kendra, Central marine Fisheries Research Institute.
2. Shinoj Subramannian, Vikas P.A and Pushparaj Anjelo F. 2015. Samrambakathwa Vikasana Paripadi , ICAR-CMFRI-NICRA Publication series 4, 97 .

RADIO/TV PROGRAMME

1. Shri.Shoji Joy Edison, SMS (Horticulture) participated in a live programme on "Status of Polyhouse cultivation in Kerala" telecasted in TVNEW channel on 26th June 2015.
2. Dr. K. Smita Sivadasan, Subject Matter Specialist (Animal Husbandry) delivered a talk on Pineapple silage broadcasted in the Harithabhoomi programme of Athulya Community Radio, Palakkad on September 5th ,2015.
3. Dr. Shinoj Subramannian, Sr.Scientist and Head delivered a talk on Activities of Ernakulam KVK broadcasted by AIR, Kochi FM 102.3 in Kissan Vaani programme on September 9th, 2015.

KVK - ATMA LINKAGE

As part of KVK-ATMA programmes, KVK conducted two method demonstrations on preparation and application of panchagavya at Kangarappady on 25th May 2015 and at Cheranalloor Krishi Bhavan on 13th May , 2015.

KVK conducted training programme on 'Fish Amino acid production, Branding and Marketing' for the progressive farmer group 'Nanma Karshaka Sangam' at Kangarappady on 10th August, 2015.

KVK attended 6 ATMA Monthly Technology

Advisory (MTA) meetings during the report period. Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) delivered a lecture on "Researchable issues in Horticulture" in the MTA on May 20th, 2015 and on "New generation pesticides and its use" on 22nd September, 2015.

KVK attended ATMA General Body & AMC meeting at Collectors chamber on 10th September, 2015

ICAR-CMFRI- ATIC/ KVK SALES COUNTER

ICAR-CMFRI-ATIC/KVK sales counter is located in the ground floor of ICAR-CMFRI building by the side of Goshree road near High court junction in Kochi. The counter is open for public on all working days from 10:00 am to 4:00 pm. Phone number 0484 2394867, Extension: 468.

PRICE LIST

Sl. No	Item	Quantity	MRP (₹)**
1	Amino plus	200 ml	45
2	Organo excel	1 kg	75
3	Panchagavya	200 ml	50
4	Neem de pest	250 g	65
5	Neem oil*	200 ml	70
6	Neem Cake	1 kg	45
7	Tobacco decoction kit	1 No	45
8	Fruit fly trap	1 No	35
9	Pheromone trap (Vegetables)	1 No	155
10	Pheromone trap (Mango)	1 No	155
11	Vegetable Top Up	500 g	80
12	Banana Top Up	500 g	80
13	Fishlizer	500 g	30
14	Vegetable seeds	1 Pkt	10/- to 25/-
15	Pearl plus feed PS 1, PS 2, PS 3, PS 4	1 kg	100
16	Pearl plus feed PS 5	1 kg	90

* Also Available in 20 kg packing only for Govt. Organizations ** Competent authority may change price from time to time. Discount applicable for direct purchase from sales counter.

PRICED PUBLICATIONS

Sl.No.	Name of Publication	Price (₹)
1	100 days schedule for vegetable cultivation in grow bags (User's Manual)	5
2	Jaiva Pachakkari Krishikkoru Kaipusthakam	30
3	Jaiva Sukshmanu - Sukshmamoolaka Koottukal- Oru Parichayam	10
4	Nadan Vittinangalude Registratium Karshakarude Anubandha Avkashangalum	5

ONGOING FARMER PARTICIPATORY PROGRAMMES

Sl.No.	Programme	Location	Partner farmers	Contact
1	Testing of ginger accessions SE 8640 in comparison with IISR Varadha	Manjapra, Kalady, Mookanoor	A.P.Varkey P.O.Paulose V.S.Wilson K.P.Kuttapan M.A.Paulose	9947994681 9744155531 9048539400 9605230335 9847391397
2	On farm testing of ICAR-CMFRI pellet feed for silver pompano grown in brackish water ponds	Cherai, Anapuzha, Pallippuram, Kannamali	V.M Kunjappan M.A Sukumaran Rajesh M.B Appu Antony	8592047344 9349854180 9947614868 9995074306
3	High density culture and marketing of Mullet (Mugilcephalus) in brackish water ponds	Chellanam, Kandekadavu, Kumbalangi	V.B Reghu Neethu Melvin Antony Kunjumon	9645481791 9746274660 0484 248638
4	High density Cage culture of fin fishes in fresh water bodies	Karukutty	Fr. Jacob Mulavarikkal	9447662600
5	Demonstration of Integration of fin fish culture with paddy and shrimp in pokkali fields under NICRA	Kadamakkudy, Nedungad, Chakkarachaal, Nayarambalam, PizhalaThuruth, Narakkal	Pushpangathan K.A ShyamSundar P.R Wincent V.A Vinod Kumar DV K.R Vyas	8547305812 8086800056 9847559999 9895255781 9562435149
6	Demonstration of Integrated Pest Disease and Nutrient Management in nutmeg	Mattoor,	K.C. Babu Jijy George George K.S. Ittyera K.P.	9947855101 9495566284 9497202296 9037394912
7	Demonstration of Integrated crop management and mechanization in paddy	Thiruvaniyoor	Sibi Xavier	9995305181
8	Demonstration of precision farming in high density planting of banana	Vennala	Kailas R. Kartha	9895758575

TEAM ICAR-KVK ERNAKULAM

Sl. No	Name	Designation	Expertise	Contact No.
1	Dr. Shinoj Subramannian	Senior Scientist and Head	Agro processing and mechanization	9496303457
2	Smt. P.Sreeletha	Subject Matter Specialist (Home science)	Food Industry Entrepreneurship development, Agro waste utilization	9447866771
3	Shri.F. Pushparaj Anjelo	Subject Matter Specialist (Agri Extension)	Creating farmer's organisations, Quality control in organic farming	9400257798
4	Shri. Shoji Joy Edison	Subject Matter Specialist (Horticulture)	Family farming, rain shelters and Precision farming	9746469404
5	Dr. K.Smita Sivadasan	Subject Matter Specialist (Animal Science)	Animal Husbandry	9446120244
6	Dr. Vikas P.A.	Subject Matter Specialist (Fisheries)	Aquaculture	9447993980
7	Smt. Dipti N.V.	Programme Assistant	Good Agricultural practices (GAP), Organic farming	9895523463
8	Shri. D. Augustus Julin Raj	Administrative Assistant	KVK product Marketing	9447200573
9	Smt. Rincy K.R.	Jr. Stenographer	KVK product Marketing	9496039879
10	Shri. M.K.Anilkumar	Skilled Supporting Staff		9746282904
11	Ms. Nishida P	Skilled Supporting Staff		9526941358

PERSONALIA

Shri. Shoji Joy Edison, Subject Matter Specialist (Horticulture) represented ICAR-CMFRI and participated in the ICAR inter institutional games held at Kochi from 25th to 28th May and won 1st prize in shotput, 1st prize in Basket ball (as team member) , 2nd prize in Relay (4 x 100 m) , 3rd prize in Javelin throw & 400 meters race. ICAR-CMFRI became the overall champion with 72 points.



Shri. Shoji Joy Edison, SMS (Horticulture) receiving the medal and certificate from Dr. A. Gopalakrishnan, Director, CMFRI.



Dr. Vikas.P.A Subject Matter Specialist(Fisheries) receiving Jawaharlal Nehru award from union Ministers

Dr. P.A Vikas, Subject Matter Specialist (Fisheries) bagged the Indian Council of Agricultural Research (ICAR) instituted Jawaharlal Nehru award for P.G. outstanding doctoral thesis Research in Fisheries Science - 2014. The recognition is for conducting qualitative assessment and development of superior Indian strain of Artemia following selective breeding method as an alternative for exotic Artemia. The award comprises of citation, gold medal and fifty thousand rupees. The award was presented during the ICAR foundation day celebrations held at Patna during 25-26 July, 2015. The Union Ministers of State for Agriculture, Dr. Sanjeev Kumar Balyan and Shri. Mohan Bhai Kundariya together presented the award to him. Dr. P.A Vikas completed his research under the guidance of Dr. P.C. Thomas, Principal Scientist of ICAR-CMFRI, from Mangalore University.

ICAR-CMFRI NEWS

ICAR-CMFRI HOSTED 4TH ANNUAL REVIEW WORKSHOP OF NICRA PROJECT

The fourth Annual review workshop of the project - National Innovations on Climate Resilient Agriculture (NICRA) was held at ICAR-CMFRI during 13-14 August, 2015. About 170 Scientists and experts from 40 ICAR Institutes as well as State Agricultural Universities participated. The workshop was inaugurated by Dr. S. Ayyappan, Secretary, Department of Agricultural Research and Education (DARE) & Director General, Indian Council of Agricultural Research (ICAR),

New Delhi. Deputy Director Generals of respective Subject Matter Divisions (SMDs) of ICAR, Vice-chancellors of SAUs, Directors of ICAR institutes and other senior officers also attended. In the inaugural meeting, ICAR-CMFRI was honoured by the Hon DG, ICAR, as one among the four best performing institutes under the NICRA project.

ICAR-CMFRI WINS INDIRA GANDHI RAJBHASHA PURASKAR

ICAR-Central Marine Fisheries Research Institute, Kochi won the Indira Gandhi Rajbhasha Puraskar for the year 2014-15 for excellent work and commendable achievements in the field of Official Language Implementation Policy. In a gracious programme held at Vigyan Bhavan, New Delhi on 14th September 2015, Dr. A. Gopalakrishnan, Director, ICAR-CMFRI received the award from His Excellency President of India, Shri Pranab Mukherjee.



Dr. A. Gopalakrishnan, Director, ICAR-CMFRI receiving the Indira Gandhi Rajbhasha Puraskar award from Shri. Pranab Mukherjee, President of India.

ICAR- CMFRI RELEASES ALL INDIA MARINE FISH LANDINGS DATA 2014

In a Press Meet held on 2nd May 2015, Dr. A.Gopalakrishnan, Director, officially released the All India marine fish Landing data- 2014 collected under the aegis of the Fishery Resources Assessment Division. Data indicated that India's marine fish Landings(excluding Lakshadweep and Andaman & Nicobar Islands) reached 3.59 million tonnes in 2014. Of the 9 maritime states and 2 union territories, Gujarat ranked first with estimated Landings (in Lakh tonnes) being 7.12(19.8%) followed by Tamil Nadu with 6.65 (18.5%), Kerala 5.76 (16%). The value of marine fish Landings during 2014 based on the price at Landing centre level was ₹ 31754 crores.



Dr. A. Gopalakrishnan, Director, CMFRI releasing the All India marine fish Landings data 2014.

CADALMIN™ ANTIDIABETIC EXTRACT FROM SEaweEDS RELEASED

Cadalmin™ Antidiabetic extract (ADe), a nutraceutical product with activity against type-II diabetes developed from seaweeds by ICAR-Central Marine Fisheries Research Institute has been released by the Hon'ble Union Minister of Agriculture, Shri Radha Mohan Singh during the ICAR Foundation Day on 26th July 2015 at Patna. The product is ready for out-licensing to the pharmaceutical/biopharmaceutical companies.



Shri. Radha Mohan Singh, Union Minister of Agriculture, releasing Antidiabetic extract (ADe) during the ICAR Foundation Day

FISH AGEING LABORATORY ESTABLISHED AT ICAR- CMFRI, KOCHI

A well-equipped fish Ageing Laboratory was established at the Institute headquarters with the aim of supporting the marine fisheries research and length frequency based fish stock assessment programmes by age validation using hard parts of fish. The facility was inaugurated by Dr. A. Gopalakrishnan Director, CMFRI, on 30th June 2015. The lab is equipped with an ultra sonic cleaner for cleaning Otoliths prior to sectioning for ageing studies.



Reading of rings in processed otoliths using Image Analysis system .

ICAR-CMFRI'S POLICY GUIDANCE ON MINIMUM LEGAL SIZE (MLS) IMPLEMENTED

Based on scientific studies, ICAR-CMFRI arrived at Minimum Legal Size (MLS) for 58 commercial species of fin-fishes and shellfishes and data recommended to Government of Kerala. From this, the government has notified the MLS for 14 species as a first step to prevent juvenile fish exploitation in Kerala coast. A minimum legal size (MLS) is viewed as a fisheries management tool

with the ability to protect juvenile fish, maintain spawning stocks and control the sizes of fish caught. The MLS sets the smallest size at which a particular species can be legally retained if caught. Setting MLS and implementing it would increase the economic efficiency of the fishery besides affording protection to juveniles and allowing them to grow in weight and length.

ICAR-CMFRI HAS STARTED AN INNOVATIVE COMMUNICATION PLATFORM - 'KADAL ANUBHAVANGAL'

ICAR-CMFRI has opened an innovative communication platform - "Kadal Anubhavangal" for learning from stakeholders. The objective of this platform is to break the disconnect between the Research system and the Stakeholder Constituency by providing an arena to the stakeholder to share his or her experiences, concerns and suggestions for ensuring a sustainable future for the industry. The first talk in the series, organized on 09th July 2015 at ICAR-CMFRI, was delivered by Mr. Jossy Palliparambil, a mechanized boat owner based at

Munambam, who is well known for his stakeholder induced initiatives in Responsible Fisheries. Mr. Jossy was felicitated by the Honourable ADG (Marine Fisheries), ICAR, Dr Madan Mohan in the presence of the Director ICAR-CMFRI Dr.A.Gopalakrishnan. Dr C. Ramachandran, Principal Investigator of the ICAR funded research project under which the interface was mooted, welcomed the gathering and briefed about the series of talks and its aim.

KVK IN NEWS

Pokkali fish festival in city on Saturday

Special Correspondent
KOCHI: Rice, fish and shrimp from pokkali fields will soon be available under a brand name thanks to efforts by the Krishi Vigyan Kendra, Ernakulam under the Central Marine Fisheries Research Institute (CMFRI) to create an environment for farmers to get better returns from their farming activities. Pokkali rice and value added products from the rice as well as fish varieties such as mullet (*Chirochthys chiro*) and shrimp will be sold under a common brand name from next year, says a CMFRI statement. As a prelude to the branding exercise, a festival of premium quality fish from pokkali fields will be held at seven locations at Kodumkadu, Pithala and Cherar on Saturday. The festival will be held between 7 a.m. and 11 a.m. on the day, the statement says. The location map for the festival sites is uploaded on the website, www.kvkeranakulam.org.in. Those interested may contact CMFRI on phone (9559039912).

- Pokkali rice, fish to be available under brand name
- Branding to ensure better returns for farmers

Pokkali rice gets a trademark

Special Correspondent
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Jaiva Pokkali
The aim of the Kendra is to bring the glorious days of pokkali cultivation back by ensuring remunerative prices for the farmers. "Assured remuneration will surely attract more farmers, particularly youngsters," the press release adds. Experts from the KVK are working with pokkali farmers to form a Farmer Producer Company (FPC). The FPC will be formed with the funds from NABARD. The FPC has been sanctioned to fund the company to be formed this year itself, the press release adds.

'Poor Soil Health Affecting Coconut Production'

Special Correspondent
KOCHI: The main culprit behind the low coconut production in the state is the poor soil health, revealed an advisory by the National Bureau of Aquaculture Research, Ernakulam. The advisory says that the application of chemical fertilizers without testing the soil health is causing a decline in coconut productivity. The advisory also suggests that farmers should use organic manure and bio-fertilizers to improve soil health. The advisory is available on the website, www.kvkeranakulam.org.in.

KVK launches research programme on coconut

Special Correspondent
KOCHI: Krishi Vigyan Kendra in Kochi has joined hands with National Bureau of Soil Survey and Land Use Planning, Coimbatore to launch a research programme on coconut. The programme aims to study the soil health of coconut fields and develop suitable fertilization practices. The programme will be conducted in the Mook-Anjalangaly area. The programme is funded by the State Planning Commission. The programme is available on the website, www.kvkeranakulam.org.in.

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Now, freshwater fish to counter weed menace

Special Correspondent
KOCHI: Freshwater fish to counter weed menace. The Krishi Vigyan Kendra, Ernakulam has introduced a new project to control weeds in paddy fields using freshwater fish. The project involves the release of fish into the paddy fields to eat the weeds. The project is available on the website, www.kvkeranakulam.org.in.

New Fish Farming Method Yields Double Profit

Special Correspondent
KOCHI: The project was introduced by the Krishi Vigyan Kendra and conducted at pokkali fields. The project aims to increase the productivity of fish farming by using a new method. The project is available on the website, www.kvkeranakulam.org.in.

Fishliser, Amino Acid Rich Manure for Plants

Special Correspondent
KOCHI: Fishliser, Amino Acid Rich Manure for Plants. The Krishi Vigyan Kendra, Ernakulam has developed a new product called Fishliser, which is a rich source of amino acids and fish meal. The product is available on the website, www.kvkeranakulam.org.in.

AGRI-BUSINESS Now, Pokkali rice gets a trademark

Special Correspondent
KOCHI: Now, Pokkali rice gets a trademark. The Krishi Vigyan Kendra, Ernakulam has registered a trademark for Pokkali rice. The trademark is available on the website, www.kvkeranakulam.org.in.

Training for organic farmers

Special Correspondent
KOCHI: Hundreds of enthusiasts thronged a training programme for aspiring organic farmers in the city on Monday. The participants at the programme, conducted by Krishi Vigyan Kendra attached to Central Marine Fisheries Research Institute, are among the 5,000 people who have registered to join Operation Adukkala, an initiative to turn Ernakulam into a totally organic farming district. The training session was part of a series of ongoing programmes and had lessons on organic farming, fish farming in confined spaces and cage rearing of poultry birds for eggs and meat. Chairman of Greater Cochin Development Authority N. Venugopal inaugurated the training session organised on the Rajendra Maidan where exhibition and sale of organically-grown vegetables and fruits is on. The two-and-half-hour training session was led by experts on organic farming, quality of organic inputs and horticulture from KVK.

On an organic mission

Special Correspondent
KOCHI: On an organic mission. The Krishi Vigyan Kendra, Ernakulam has launched a mission to promote organic farming. The mission is available on the website, www.kvkeranakulam.org.in.



Integrated Pest Disease & Nutrient Mangement in Nutmeg, Ankamaly, Ernakulam



Field demonstration of high density planting in banana, Pallipuram, Ernakulam



Self Farming for Safe food: Organic Farming Training for General Hospital Staff, Ernakulam



KVK's participation in Exhibitions



ICAR - KRISHI VIGYAN KENDRA (ERNAKULAM)
ICAR - CENTRAL MARINE FISHERIES RESEARCH INSTITUTE

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