



# संवादपत्र NEWSLETTER

Issue 9 (July 2017 to December 2017)



## From Programme Coordinator's desk ...

Krishi Vigyan Kendra is a Frontline Extension Model with a vision of Science and technology-led growth leading to enhanced productivity, profitability and sustainability of agriculture. Its Mission is, Farmer - centric growth in agriculture and allied sectors through application of appropriate technologies in specific agro - ecosystem perspective . The Mandate of KVK is, Technology Assessment and Demonstration for its Application and Capacity Development. Presently there are 690 KVKs all over the country to achieve the above said goals. Krishi Vigyan Kendras are India's Institutional Innovation Inspiring the world of the 21st Century, as viewed by Food Agriculture Organization. The activities envisaged for KVKs are,

- On Farm Trials, to assess the location specificity of agricultural technologies under various farming system.
- Front Line Demonstrations, to establish production potential of technologies on the farmers' fields.
- Vocational training and the skill development of farmers and rural youth.
- Capacity building of extension personal.
- Provide farm advisories using ICT and other means of media on varied subjects of interest to farmers.
- Produce quality technological products (seed, planting material, bio-agents, livestock) and make it available to farmers.

## Highlights



Honey Bee Day



Sankalp Se Siddhi



World Soil Day



Mahila Kisan Divas

**ICAR - Krishi Vigyan Kendra**

ICAR - Central Coastal Agricultural Research Institute

Ela, Old Goa, Goa- 403402

0832-285475, [pckvknorthgoa@gmail.com](mailto:pckvknorthgoa@gmail.com), [www.kvknorthgoa.icar.gov.in](http://www.kvknorthgoa.icar.gov.in)

# Trainings

## Mushroom Cultivation

Krishi Vigyan Kendra organized training on Oyster Mushroom Cultivation on 14-07-2018, 22-07-2017 and 28/10/2017. Mr. V. Y. Gaonkar, Retd. PC, KVK and Mushroom expert, spoke on types of mushroom, sterilization, substrate preparation, sowing, harvesting and marketing. He also demonstrated layer spawning on substrate. Mr. H.R.C. Prabhu, PC, KVK, guided on spawn production technology. The programme was attended by 45 participants.



## CSRB Management

A training and demonstration on Cashew stem and root borer (CSRB) management was organized at Pali, Valpoi on 07/11/17. Mr. H. R. C. Prabhu, Programme Coordinator I/C, guided the farmers on the importance of managing CSRB. He explained the life cycle of the insect and the management strategies. In the field, mechanical removal of insect larva and drenching the stem with chloropyriphos @10/lit up to 1m from ground level, were demonstrated. The programme was organized in collaboration with ZAO, Sattari and was attended by 45 farmers.



## Vermicompost Production

A training on vermicomposting was organized at on campus and at Surla on 18-02-2017 and 27/11/2017. Participants were informed about the importance of organic farming and demonstrated vermicomposting. A unit was established using silpauline bag and practically demonstrated method of filling the bag. Vermicomposting is one of the best technology to convert all biodegradable waste into a good quality manure. Total of 25 participants attended the training.





# Trainings

## Gardening



KVK organized a training programme on Gardening to the Monument Attendants of Dept. of Achieves and Archaeology, Govt. of Goa. The duration of the training was 08 days from 11th -20th September 2017. During the programme the topics covered were, Land preparation, Potting mixture, Nursery management, Propagation techniques, Lawn Management, Flowering and ornamental shrubs and trees, Climbers, Hedge plants and management, Brush cutter operation etc. Dr. A. R. Desai, Senior Scientist, Dr. M. Thangam, Principal Scientist, Mr. H. R. C. Prabhu, Programme Coordinator and Mr. Shashi Vishwakarma, Technical Officer, were the resource persons during the programme. The valedictory programme was held on 20/09/2017, Dr. E. B. Chakurkar, Director, ICAR-CCARI, addressed the participants to practice the techniques of Gardening learnt during the programme. He also distributed Certificate to 10 participants. The programme was sponsored by Dept. of Achieves and Archeology, Govt. of Goa.

## EDP on VCO Production

Virgin Coconut Oil (VCO) is extracted from fresh coconut meat without chemical processes is said to be "mother of all oils". It is rich in medium chain fatty acids, particularly lauric acid and is a treasure trove of all minerals, vitamins, antioxidants and it is an excellent nutraceutical knowing the health & medicinal value. Virgin Coconut Oil project was approved under RKVY assistance in 2015 and the unit is full fledged with all machineries like Testa Remover, Pulveriser, Milk Expeller, Electric Dryer, VCO Cooker.

Three days Entrepreneurship Development Programme was organized on "Production of Virgin Coconut Oil and Other Value Added Products" at Krishi Vigyan Kendra –North Goa, Ela, Old Goa from 17th -19th August 2017 in collaboration with CPCRI, Kasargod. Value added product like coconut sugar, coconut chutney and coconut Chocolate was demonstrated to the participants. About 25 participants from different village attended the programme and was coordinated by Mrs. Sunetra Talaulikar, SMS (Home Science).



# Trainings

## Backyard Poultry



Krishi Vigyan Kendra organized one day training on "Scientific management of backyard poultry" on 7th July 2017 and 18th September 2017. Dr. Udhwar Sanjaykumar, SMS (Animal Science) spoke on importance and economics of backyard poultry farming. He practically demonstrated different varieties of backyard poultry birds maintaining at poultry demonstration units like vanraja, Srinidhi, Grampriya and khadaknath birds, Dr. Solomon Rajkumar, Scientist (Animal Science) gave lecture on care and management of chicks, grower and layer backyard birds and advised farmers to do backyard poultry farming with PDP-ICAR Hyderabad developed improved backyard varieties like

Srinidhi, Vanaraja and Grampriya birds which are performing well in Goan climatic conditions. Dr. Suchita Rajkumar, Scientist talked on healthcare management and presented in detail about various diseases in backyard poultry and its preventive measures. Mr. H. R. C. Prabhu, Programme Coordinator distributed certificates to all the farmers and told to maintain some of the backyard birds which gives fresh eggs, small quantity of manure which well suits for Integrated Farming System of Goa and gives some additional income to the farmers. Total of 33 farmers from different places of Goa were participated in this training programme. Vanaraja and Srinidhi birds @ ten number at each location are distributed to the three farmers under on Farm Trial.

## Feed and Fodder for Dairy Cattle

Training on under Feed and Fodder for Dairy Cattles viz: "Importance of feeding of bypass fat in dairy cattle" "Azolla Making" and "Silage Making" was organised at Ibrampur and Kunkalim Village by Krishi Vigyan Kendra, ICAR –CCARI, Old Goa on 04th October 2017, 28th October 2017 and 18th August 2017. Dr. Udhwar Sanjaykumar, SMS (Animal Science) has given information on importance of feeding of bypass fat in dairy cattle Bypass fat should be feed @15-20 gram / litre of milk yield / day from calving to four months of post calving and importance of azolla in feeding of dairy cattle and methodology and cultivation practices of azolla and Demonstrated preparation of Silage making by using bag method. Total of 34 dairy farmers of Shri Sateri Dairy cooperative Society, Ibrampur, 17 dairy farmers of Kunkalim Dairy cooperative Society participated in this training programme. Bypass fat bags and chelated mineral mixture packets are given to 10 dairy farmers to feed total of 20 animals @ 2 animals / location under Frontline demonstration.





# Trainings

## EDP on Backyard Poultry Farming



A Three days Entrepreneurship Development programme was conducted on backyard poultry farming at Krishi Vigyan Kendra from 21st to 23rd August 2017. Dr. Udharwar Sanjaykumar, SMS (Animal Science) gave lectures on scientific management of backyard poultry and economics of backyard poultry farming. He demonstrated identification of different varieties of backyard poultry birds maintained at poultry demonstration units like Vanraja, Srinidhi, Grampriya and Khadaknath birds, mixing of different ingredients to make starter and layer feed required for chicks and adult poultry birds, determination of sex in

one day old chicks, deep litter management, brooding management, debeaking in birds and information on different medicines (vaccines, deworming medicines) required in the treatment of birds. Participants were taken to the fields of Progressive farmers Ms. Lavina Pandey from Mapusa, Father Antony from Peddem and Mrs. Sundar Jalmi from Kunkalim who are benefited by maintaining backyard poultry birds. Progressive farmers shared their experience on marketing and field management of the backyard birds. Farmers were taken to the fields of Mr. H. R. C. Prabhu, Programme Coordinator distributed certificates to all the farmers and requested participants to maintain backyard birds which gives fresh eggs, manure which suits well for Integrated Farming System and gives additional income to the farmers. Total of 12 participants from different places of Goa were participated in this programme.

## Special Events Celebrated



Honey Bee Day



Sankalp Se Siddhi



World Soil Day



Mahila Kisan Divas

# Special Events Celebrated

## National Honey Bee Day

KVK celebrated "National Honeybee Day" on 19th August 2017. It is celebrated to create awareness on beekeeping and to bring together individual beekeepers and beekeeping associations for interactive session to discuss their experiences with fresh beekeepers. Mr. Chinmay Tanshikar, Progressive farmer, Netravali, shared his experience on beekeeping in reference to Goa among the participants. Dr. E.B. Chakurkar, Director, ICAR-CCARI, stressed the role of KVK and cooperatives in spreading the beekeeping. He also felicitated, Mr. Naadakumar Raikar, Beekeepers cooperative society, Ankola, Karnataka, Mr. Shalio,

Beekeeping expert, Porvorim and Mr. Rudolf Fernandes, Farmers and Beekeepers Association of Goa, for their support in taking the technology of beekeeping to Goan farmers. Mr. H.R.C. Prabhu, Programme Coordinator I/C, in his welcome address, explained the beekeeping activities in KVK and its method of transfer to farmers. During the technical sessions, Mr. Shalio spoke on all aspects like type of bees, handling and management of bee colonies. Dr. Sanjaykumar Udharwar, SMS (Animal Science), proposed the vote of thanks. About 70 participants attended the programme and carried the message of beekeeping.

## New India Manthan

KVK organized the New India Manthan –Sankalp Se Siddhi programme on 30/08/2017. The programme was inaugurated by Hon. Shri Shripad Yesso Naik, Union Minister of State (Independent Charge), Ministry of AYUSH, Government of India. As a Chief Guest threw light on following seven points to double the income by 2022. He also stressed on role of farmers and all line departments to achieve this goal and dream of Hon'ble Shri Narendra Modiji, Prime Minister of India. Dr. E.B Chakurkar, Director, ICAR-CCARI, as an expert also explained role of KVK and CCARI to achieve the target of doubling the farmers income by 2022. Smt. Upma Srivastava, Additional Secretary, Department of Agriculture Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Government of India spoke on the road map to achieve above goal through the seven point formula and all line departments. During the programme two publications viz: "Honey bee" & "Virgin Coconut Oil" were released. Mr. H.R.C. Prabhu, Programme coordinator Incharge, ICAR- KVK, North Goa gave welcome address and Mrs. Sunetra Talaulikar, Subject Matter Specialist (Home Science), ICAR – KVK, North Goa proposed vote of thanks. The programme was attended by all line departments and more than 150 famers from Neura, Pilar, Surla, Veling, Priol, Ibrampur, Farmagudi, Cuncolim, Bicholim and Navelim. An exhibition depicting the technologies of the institute along with publications were displayed for the benefit of the farmers.





# Special Events Celebrated

## Soil Health Campaign

KVK, North Goa, ICAR – CCARI, Goa organized a Soil Health Campaign on 21/08/2017 at Bicholim in collaboration with ZAO, Bicholim. Mr. Shashi Vishwakarma, Technical Officer, Soil Testing lab, explained the importance of Soil health and Soil testing for better crop management. He also briefed Soil based fertilizer recommendation for different crops. Mr. H. R. C. Prabhu, Programme Coordinator I/C explained the plant protection aspect for important crops in Goa. Mr Pradeep Malik, ZAO, Bicholim, emphasized on fertilizer dose for improvement of crop yield and use of organic manure for sustainable crop production. Soil sampling demonstrated to 35 farmers.



## Swacchta Pakwada

KVK during the Swachhta Pakwada undertook various activities viz: Taken Pledge of Swachh Bharat, Celebration of Sewa Divas, Cleaning outside the compound of KVK, Cleaning activity at Ibrampur and Neura village, Cleaning near the vermicompost unit, Kitchen Garden, Training hall, Admin Building, Poultry and Goat Unit, Nursery Unit, Virgin Coconut Oil Production Unit, Turmeric Plantation, Plantation Programme, Cleaning activity near the Karmali Railway Station and Old Goa Churches (Tourist Spot) with KVK and Institute Staff.



## Mahila Kisan Divas

KVK celebrated "Mahila Kisan Divas" on 15/10/2017 at Kundaim village. Mr. H. R. C. Prabhu PC I/C in his welcome address highlighted the importance of women's role in agriculture as women are the backbone of agriculture. Dr. E. B. Chakurkar, Director (Acting) ICAR-CCARI, spoke on the dual role of women both in homemaking and agricultural activities. Mr. Ramu V. Naik, Sarpanch, Kundaim Panchayat, lauded the help of KVK and ICAR-CCARI, through supply of better quality seeds. Vegetable seed kits were also distributed to the farm women. On this occasion cooking competition was held. Dr. A. R. Desai, Senior Scientist, Participated in the programme as a judge for the above competition. Dr. Sanjaykumar Udharwar compered the programme and proposed vote of thanks.



Scientist, Participated in the programme as a judge for the above competition. Dr. Sanjaykumar Udharwar compered the programme and proposed vote of thanks.

# Other Extension Activities



Kerala Progressive  
Farmers Visit



Plantation  
at Gadiwada, Surla



Visit of Dairy Farmers,  
ATMA-Karwar



Vegetable Expo,  
2017

## Knowledge Corner What is Virgin Coconut Oil

Virgin coconut oil (VCO), extracted from fresh coconut meat without chemical processes is said to be the **"Mother of all oils"**. It is rich in medium chain fatty acids, particularly lauric acid and is a treasure trove of minerals, vitamins, antioxidants and is an excellent nutraceutical. It has about 50% lauric acids, having qualities similar to mother's milk, thus confirming its disease-fighting ability. When lauric acid enters human body it gets converted to Monolaurin, which has the ability to enhance immunity. Several studies have confirmed that this compound has the ability to kill viruses including herpes and numerous other bacteria. Its antiviral effect has the ability to considerably reduce the viral load of HIV patients. VCO is not subjected to high temperatures, solvents or refinement procedures and therefore retains the fresh scent and taste of coconuts. It is rich in vitamin E, is non-greasy, non-staining and is widely used in soaps, lotions, creams and lip balms. The health benefits of VCO are second to none; ranging from speeding up body metabolic system and providing immunity against a horde of commonly prevalent diseases.

### Contact Us



#### Published by:

**Dr. Eaknath Chakurkar**

Director (A), ICAR – Central Coastal Agricultural Research Institute

#### Compiled & Edited by :

**Shri H. R. C. Prabhu,**

Programme Coordinator I/C, KVK

#### Designed by:

**Shri Vishwajeet Prajapati,**

Technical Officer (Computer)

#### Contact us :

**ICAR - Krishi Vigyan Kendra, North Goa**

Ela, Old Goa, North Goa (Goa) 403 402,

Telefax : 0832-2285475, Email : pckvknorthgoa@gmail.com,

Website : www.kvknorthgoa.icar.gov.in