



# संवादपत्र NEWSLETTER

Issue - 7 (July 2016 to December 2016)



NORTH GOA  
"Serving Farming Community of Goa"

## Introduction



Programme  
Coordinator

Mushroom cultivation is increasingly becoming popular because it not only meets the dietary requirements but also adds to the income, especially of growers with insufficient land. It is considered to be a very rewarding and fascinating hobby for the retired persons as well as housewives who can grow mushrooms in small boxes or other containers while attending to household chores. Today, mushroom cultivation faces less difficulties provided the grower will follow simple rules of growing.

Mushroom cultivation is carried out indoor in any room, shed, basement, garage, etc. which should be well ventilated. However, paddy straw mushroom can be grown outside in shady places also. Of the many mushrooms only four kinds namely button mushroom (*Agaricus bisporus*), straw mushroom (*Volvariella volvaracea*), milky mushroom (*Calocybe indica*) and oyster mushroom (*Pleurotus sajor-caju*) are popular for cultivation in India. Cultivation conditions like temperature and humidity, varies for mushrooms. For button mushroom during vegetative phase is 24-25°C, while 16-18°C is essential for the formation of fruit bodies. Paddy straw mushroom can be grown around 35°C. Temperature should not go below 30°C or above 40°C for more than 4-8 hours during growing period. In northern India it can be grown from April to September but the most suitable period is from middle of June to middle of September. Dhingri (oyster mushroom) grows best between 22-28°C. It is popular due to its simple cultivation procedure. KVK North Goa, imparts the skill of cultivating mushrooms through training and demonstration. We also offer training programme on spawn (mushroom seed) production.

## Visitors

KVK was graced by many visits during the reporting period. Hon Dr. Trilochan Mohapatra, Secretary (DARE) & Director General (ICAR) visited KVK – North Goa on 07th Sept, 2016 with Shri Chhabilendra Roul, Additional Secretary (DARE) & Secretary (ICAR), Dr. H. Rahman,

DDG (Ani. Sci.), Dr. Narendra Singh Rathore, DDG (Edu.), Dr. Joykrushna Jena, DDG (Fisheries), Dr. A.K.Singh, DDG (A.Extn.), Dr. K. Alagusundaram, DDG (A. Engg). Shri Parshottam Rupala, Hon'ble Minister of Agriculture for Agriculture and Farmers Welfare,

Govt. of India visited KVK on 04th Oct, 2016. Dr. Kolekar, Scientist, ATARI Bengaluru visited KVK on 22nd Nov, 2016, Ex Director Dr. Adsule Visit to KVK 17th Dec, 2016





## Trainings

Major trainings under taken during the reporting period by Shri H. R. C. Prabhu, Programme Coordinator Incharge were, Training on Beekeeping, Grafting in Brinjal, Grafting and Nursery Management, Urban Farming and Kitchen Garden.



Training conducted by Smt. Sunetra Talaulikar, Subject Matter Specialist (Home Science) for value addition and income generation activities were, Training on Value addition of dairy products, Virgin Coconut Oil Production, Jackfruit Processing and Fish processing.



In the Animal Science Dr. Sanjaykumar Udharwar, Subject Matter Specialist (Animal Science) gave Training on importance to Silage Making, fodder plantation and production, clean milk production, feeding of dairy cattle, control mastitis in dairy cattle, Goat Management and Scientific Management Dairy.



## Exhibitions

During the reporting period KVK participated in 05 nos of Exhibition and put up a stall to display the latest technologies of the ICAR to farmers, farm women and rural youth. Exhibition at Black Pepper cultivation seminar at

Ravindra Bhavan Sakthi on 01st Jul, 2016, Exhibition at Bogmalo on 20th November, 2016 as a part of Community Mela organized by Institute of Ship Building, Vasco, Exhibition at Vegetable Expo 2016 at Mapusa on 24th - 26th Nov, 2016,

Exhibition at Lokotsav 2016 at Canacona on 03rd – 04th Dec, 2016 at Amone, Poinguinim, Canacona, Exhibition at Kisan Mela at CPCRI Kasaragod from 10th – 13th Dec, 2016.





## Special Activities

Vanamahotsav was celebrated on 08th July, 2016 at Sateri High School, Ibrahimpur. Mr H. R. C. Prabhu, Programme Coordinator Incharge in his address explained the importance of vanamahotsav and benefits of tree planting. Mr Rajaram Gawas, Chairman of School Management Committee and Mr Madkaikar Sawant, Manager of School Management appreciates the activities of KVK at Ibrahimpur. During the tree planting programme a total of 20 coconut and mango plants were planted in school premises. The programme was attended by all school staff and school children. Dr Sanjay Kumar Udhwarwar proposed vote of thanks.



KVK, ICAR- CCARI, Celebrated 'World Soil Health Day' on 05th Dec, 2016, at Advoi Village of Sattari taluka. Mr. H. R. C. Prabhu , Programme Coordinator I/C , in this welcome address spoke on the activities of KVK, ICAR- CCARI and the importance of soil testing . Mr. Shashi Vishwakarma , Technical Officer (Soil Science), talked on Soil test based nutrient application. Mr. Yashawant Gawas, Asst Agriculture Officer, ZAO, Sattari , briefed about the Schemes of the Department . Mr. Venkatesh Desai, Ex. MLA and Mr. Prashanth Desai, Sarpanch , Advoi village attended the Programme. Dr. Sanjay Kumar Udhwarwar, SMS (AS) proposed vote of thanks. Soil Health Cards were distributed to the farmers along with recommendations.



## XXth SAC

The Scientific Advisory Committee Meeting was held on 22nd Nov, 2016 at ICAR-CCARI, Old Goa. Dr. E.B.Chakurkar, Director (A), ICAR - CCARI, Old Goa and Chairman of SAC in his opening remark told to give more emphasis on plant propagation activities, Vermicomposting and earthworm production for the benefit of the farmers. Dr. Banagi,

DEE, UAS, Dharwad in his address appreciated the activities of KVK and asked to give more Stress on Bio pesticides in plant protection. Dr. D. V. Kolekar, Scientist ATARI, Bangaluru, stressed on soil testing and distribution of soil Health cards to the farmers. Mr. H. R. C. Prabhu, Programme Coordinator In-charge gave welcome address followed by the presentation of general

achievements of KVK. Later Subject Matter Specialists and Technical officers made presentation on work done during 2015-16 and plan of action for 2016-2017. The meeting was attend by the representatives of different line departments, Farmer representatives and Scientists of the institute. Mrs. Sunetra Talaulikar, SMS(Home Science) proposed vote of thanks.





# Technology Corner

## Importance of Feeding of Bypass fat in Dairy Cattle:

Bypass fat is a feed supplement to the dairy animals which is dietary fat and not degraded in the rumen (major part of stomach) but gets digested in alimentary tract.

### Why we have to feed bypass fat to the dairy animals?

Animals remain in negative energy balance in early lactation (90 – 120 days after calving) due to many stresses on the body i.e. calving stress, drain of Colostrum and high milk yield etc. Due to effect of negative energy balance, milk production, reproductive performance and body condition of animals are adversely affected. This effect is more in high producing animals. To make animals in positive energy balance, there is need to supplement bypass fat which is a rich source of energy and also good source of calcium.

Feeding of Bypass fat to the dairy animals @ 15-20 grams / litre of milk / day from 15 days before to 150 days after parturition improves milk yield (up to 20%) , fat percentage ( up to 15 to 20 %) , body condition and overall reproductive performance in such a way that animals come in heat and conceive in proper time . Bypass fat can be supplemented to dairy animals by mixing with concentrate feed .Bypass fat is available for sale at ICAR –CCARI Old Goa @ 100 Rs / Kg and regular training are conducted on this aspect at ICAR - Krishi Vigyan Kendra – North Goa.



## Post Harvest Technology and value addition :



Goa is a small coastal state of India with abundant wealth of native fruits like Jackfruit, Kokum, Jamun, and Karonda, etc produces abundant crop every year under neglected condition and are not utilized for income generation. There are ample opportunities for value addition and post harvest technologies of these fruits for small and marginal farmers to become an entrepreneur. KVK has standardized different value added products of local preference and farm women are motivated to take up this as an enterprise for their livelihood security, Capacity building programmes are organized at KVK North Goa in which skill oriented hands on training are imparted on value addition.

## Contact us



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