

Integrated Crop Management in Vegetables

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized a capacity development programme at Hosangadi, Belthangady on 03.01.2023 for initiating front line demonstration of high yielding ridge gourd variety Arka Prasanna and yard long bean variety Arka Mangala.

Mr. Dranendra Kumar, Former Zilla Panchayat Member, DK inaugurated the programme. Mr. Shreepathi Upadaya, Director, PACS, Peradi presided over the programme and Mr. Hariprasad P, Gram Panchayat Member, Peradi graced the occasion as a chief guest. Dr. Rashmi, R., Scientist (Horticulture) coordinated the programme and delivered a lecture on production technology of ridgegourd and yard long bean. Dr. Kedarnath, scientist (Plant Protection) briefed about integrated pest and diseases management in Vegetables and Dr. Mallikarjuna L. Scientist (Soil Science) explained about the importance of soil testing and integrated nutrient management in Vegetables. Total 23 farmers were participated in the programme and 20 selected farmers were provided with vegetable seeds.



Friends of Coconut Tree (FoCT) Palm Climbing Training Programme: Batch-1

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the six days FoCT Palm Climbing Training Programme sponsored by Coconut Development Board (Ministry of Agriculture and Farmer Welfare, Government of India) Regional Office Bengaluru from 16th to 21st January, 2023 at ICAR-KVK (D.K), Mangaluru to impart skill for unemployed rural youths in the art of climbing coconut tree as well as to take up the plant protection measures. The training programme was inaugurated by Smt. Geetha Kulakarni, ACP, Traffic Police.

Mr. Ramesh, Traffic Inspector, Kankanady Police Station, Mangaluru participated as a chief guest. Dr. H. R. Naik, Deputy Director, Department of Horticulture were present during the inaugural programme. Dr. Rashmi R. Scientist (Horticulture) coordinated the programme and Dr. Ramesha T. J. Senior Scientist and Head presided over the programme.

Dr. Rashmi R., Scientist (Horticulture), Dr. Mallikarjuna L., Scientist (Soil Science), Dr. Kedarnath, Scientist (Plant Protection), Mr. Jeevan (Programme Coordinator) BVT Manipal, Mr. Lathish, Financial Literacy Counselor, Dakshina Kannada and Dr Gautham Shetty, Doctor (Dispensary) Fisheries College Campus, Mangaluru were participated as the resource persons. During the last session of the training, 'Coconut Olympics' was also organised in which the trainees were able to climb the 40 feet palms within 75-80 seconds. The valedictory function was convened on 21st January 2023 with providing of cash prize to the best 3 climbers, machines and certificates to all the participants.



Farmer-Scientist Interaction

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru in collaboration with Primary Agricultural Credit Cooperative Society, Peradi organized a capacity development programme cum farmer scientist interaction on improved cultivation practices in horticultural crops and animal husbandry at Peradi and Perinje villages



on 19.01.2023 and 20.01.2023. Dr. Kedarnath, Scientist (Plant Protection) briefed about integrated pest and diseases management approaches in major horticultural crops grown in the district. Dr. Mallikarjuna, Scientist (Soil Science) briefed about the integrated nutrient management and methods of soil testing at different cropping seasons. Dr Rashmi R., Scientist (Horticulture) highlighted about the propagation methods and value addition. Dr. Shivakumar R., Scientist (Veterinary) explained about clean milk production and management of lumpy skin diseases in dairy animals. A total of 165 farmers, staff, and committee members of PACCS Peradi were participated.



Swabbed over the chiselled portion and sprayed to the bore holes and then capping with mud (During November) followed by soil drenching with Chlorpyrifos 50% EC @ 0.2% solution near the root zone on CSRB management. Results indicated that the percent recovery from infestation was higher in demo plots (47.39 %) as compared to farmers practices. Dr. Rashmi, Scientist (Horticulture) and 38 farmers were participated in the programme.



Field Day in Arecanut

Exposure visit for DAESI programme students

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized an exposure visit to Sai Bhagavan Dairy Farm Bettampadi, Puttur for students of Diploma in Agriculture Extension for Input Dealers on 01.02.2023. Mr. Jayaguru Acharya, a progressive dairy farmer explained about dairy farming, packaging of milk products and value addition. Also visited Honey World Bee Nursery, Arambya, Puttur, Mr. Manamohan Arambya a progressive bee farmer briefed about the activities of apiculture. Dr. Kedarnath, Scientist (Plant Protection) coordinated the visit. A total of 36 DAESI students and DAESI programme facilitator were participated in the programme.



ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized a field day on integrated spindle bug management in arecanut on 02.02.2023 at Barimaru Village, Bantwal Taluk. Dr. Kedarnath, Scientist (Plant Protection) briefed about the management of spindle bug in arecanut and effectiveness of the technology i.e foliar application of Thiamethoxam 25% WG (0.25 g per litre water) in and around the spindle and inner whorl of leaves showed the highest (89.90 %) mortality of spindle bug as compared to farmers practices. Dr. Mallikarjuna, L., Scientist (Soil Science) explained about the improved cultivation practices in arecanut. Mr. Vishwanath Poojary provided feedback about the effectiveness of the technology. Total 14 famers were participated in the programme.



Field Day on Cashew

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru organized a field day on integrated management of stem and root borer in cashew on 01.02.2023 at Mundooru Village of Puttur Taluk. Dr. Kedarnath, Scientist (Plant Protection) briefed about the effectiveness of technology i.e. application of Chlorpyrifos 50% EC @ 0.2% solution



Friends of Coconut Tree (FoCT) Palm Climbing Training Programme: Batch 2

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the six days FoCT Palm Climbing training programme sponsored by Coconut Development Board (Ministry of Agriculture and Farmer Welfare, Government of India) Regional Office Bengaluru from 06th to 11th February, 2023 at ICAR-KVK (D.K), Mangaluru to impart skill for unemployed rural youths in the art of climbing coconut tree as well as to take up the plant protection measures.

The training programme was inaugurated by Dr. Ramesha T. J. Senior Scientist and Head. Dr. Rashmi R., Scientist (Horticulture) coordinated the training programme, Dr. Mallikarjuna L., Scientist (Soil Science), Dr. Kedarnath, Scientist (Plant Protection), Mr. Jeevan (Programme Coordinator) BVT Manipal, Mr. Lathesh, Financial Literacy Counselor and Dr. Sindhu S., Senior Medical Officer, PHC, Jeppu, Mangaluru were participated as the resource persons. During the last session of the training, 'Coconut Olympic' was also conducted in which the trainees were able to climb the 40 feet palms within 75-80 seconds and cash prize was given to the best 3 climbers who got first three places.

The valedictory function was organized on 10th February 2023 at ICAR-KVK, DK. Dr. K.C. Veeranna, Hon'ble Vice Chancellor, KVAFSU, Bidar was participated in the function. During the occasion the certificates and climbing device were distributed to the participants. Dr. N. A. Patil, Director of Extension, KVAFSU, Bidar, Dr. D. V. Kolekar, Nodal Officer, ATARI, Bengaluru and staff of KVK, graced the occasion.



Integrated Crop Management in Arecanut and Mango

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru in collaboration with Kulal Sangha, Mudipu organized a capacity development programme on integrated crop management practices in arecanut and mango at Dr. Ammebala Balappa auditorium, Mudipu on 07.02.2023. Dr. Kedarnath, Scientist (Plant Protection) briefed about integrated pest and diseases management approaches in arecanut and mango. Dr Rashmi R., Scientist (Horticulture) highlighted about the propagation methods and value addition in arecanut and mango. A total of 52 farmers were participated.



Hands on Training on Carbon Telescopic Fibre Poles

ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru imparted hands-on training on application of pesticides and harvesting of arecanut by using carbon telescopic fibre poles on 08.02.2023 at Kaashibettu village of Belthangady taluk. Mr. Alban D'Souza, a progressive farmer briefed about the operation of carbon telescopic fibre poles and Dr. Kedarnath Scientist (Plant Protection), ICAR- KVK (Dakshina Kannada) Mangaluru coordinated the programme. A total of 39 farmers were participated in the programme.



Friends of Coconut Tree (FoCT) Palm Climbing Training Programme: Batch 3

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the six days FoCT Palm Climbing Programme' sponsored by Coconut Development Board (Ministry of Agriculture and Farmer welfare, Government of India) Regional Office Bengaluru from 20 to 25th February, 2023 at ICAR-KVK (D.K), Mangaluru to impart skill for unemployed rural youths in the art of climbing coconut tree as well as to take up the plant protection measures. The training programme was inaugurated by Mr. Jobin, Lead Bank Officer, Mangaluru. Mr.Latheesh, Financial Literacy Counselor, Mangaluru participated as a chief guest. Dr. Rashmi R. Scientist (Horticulture) and coordinator of the programme welcomed the chief guest, all dignitaries, invitees and participants. Dr. Ramesha T. J. Senior Scientist and Head on his presidential remarks highlighted about the present status and future scope for development of coconut orchards in the district.

Dr. Rashmi R., Scientist (Horticulture), Dr. Mallikarjuna L., Scientist (Soil Science), Dr. Kedarnath, Scientist (Plant Protection), Mr. Ravikiran K. A. (PR officer) Janatha Group of Companies and Mr. Lathish, Financial Literacy Counselor (Amulya Dakshina Kannada) were participated as the resource persons. As part of the programme organised exposure visit to a National Awardee Farmer's field (Shri Chandrashekhar Gatty) at Kondana village of Mangaluru taluk on 24.02.2023. During the last session of the training, a 'Coconut Olympic' was conducted

The valedictory function was organized on 25th February, 2023, cash prize was provided to the best 3 climbers who got first three places during the Coconut Olympic, coconut climbing machine and certificates were provided to all the participants.



Diagnostic visit to farmers field

Spindle bug is a major pest of the arecanut palm during the early stages of the crop growth and severe infestation of pest is responsible for reduction in growth and development of the palm. In this regard, ICAR- Krishi Vigyan Kendra (Dakshina Kannada) visited spindle bug affected farmers field at Kuriyal village of Bantwal taluk to diagnose the pest. Dr. Kedarnath, Scientist (Plant Protection) from ICAR-KVK Mangaluru advised the farmers for foliar

application of Thiamethoxam 25% WG @ 0.25 g L⁻¹ of water as spray for the management of spindle bug. Dr. Chethan N., Scientist(Fisheries) and Dr. Chidananda Murthy Radiologist AJ Institute of Medical Science and Research Centre were also part of the visit.



Friends of Coconut Tree (FOCT) Palm Climbing Training Programme: Batch 4

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the six days FoCT Palm Climbing' Training Programme sponsored by Coconut Development Board (Ministry of Agriculture and Farmers Welfare, Government of India) Regional Office Bengaluru from 13 to 18th March, 2023 at ICAR-KVK, Mangaluru to impart skill for unemployed rural youths in the art of climbing coconut tree as well as to take up the plant protection measures.

Dr. Rashmi R., Scientist (Horticulture), Dr. Mallikarjuna L., Scientist (Soil Science), Dr. Kedarnath, Scientist (Plant Protection), Mr. Jeevan (Programme Coordinator) BVT Manipal, and Mr. Lathish Financial Literacy Counselor (Amulya Dakshina Kannada) were participated as the resource persons. As part of programme organised exposure visit to National Awardee Farmer's field (Shri Chandrashekhar Gatty) at Kondana village of Mangaluru taluk .



During the last session of the training, a 'Coconut Olympic' was also conducted in which the trainees were able to climb the 40 feet palms within 75-80 seconds.

The valedictory function was organized on 18th March, 2023, cash prize was provided to the best 3 climbers who got first three places during the Coconut Olympics, coconut climbing machine and certificates were provided to all the participants.



Block Level Seminar on ICM in Coconut

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru in association with Coconut Development Board (Ministry of Agriculture and Farmers Welfare, Government of India) Regional Office, Bengaluru organized the Block Level Seminar on "Integrated crop management in coconut" at Primary Agricultural Credit Cooperative Society Limited Panja on 16.03.2023.

The seminar was inaugurated by Mr. Krishna Bhat, Progressive Farmer. Mrs. Suhana P. K., SADH, Department of Horticulture, Sullia graced the occasion as chief guest and briefed about the schemes and programmes implemented by the department. Dr. Rashmi R., Scientist (Horticulture) coordinated the programme and highlighted about the present status and future scope for the development of coconut orchards in the district, scientific coconut cultivation practices for sustainable production of coconut. and urged to utilise technologies developed by the various institutes and boards. Dr. Kedarnath, Scientist (Plant Protection) ICAR-KVK, Dakshina Kannada explained about plant protection technologies for effective management of pest and diseases.

Mr. Ganesh Pai, President of Primary Agricultural Credit Cooperative Society Limited, Panja, Sullia, Mr. Theertananda, President, Parivara Panja Farmer Producer Company Limited and other officials of the FPO were also participated in the programme. Total 52 Farmers/farm women and extension officials participated in the programme.



Farmers Field Day on Scientific Coconut Cultivation

The ICAR- Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the Farmers Field Day on scientific coconut cultivation sponsored by Coconut Development Board (Ministry of Agriculture and Farmer welfare, Government of India) Regional Office Bengaluru on 20th March, 2023 at Peruvai Village, Mangaluru taluk of Dakshina Kannada district.

Dr. Rashmi R., Scientist (Horticulture) highlighted about the scientific method of cultivation, soil sampling techniques and integrated nutrient and water management in coconut. Dr. Kedarnath, Scientist (Plant Protection), ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru delivered a lecture on plant protection measures for sustainable and effective management of pest and diseases. Mrs. Anitha D'Souza a progressive farm women participated in the programme and motivated the farmers to adopt the coconut based integrated farming system for higher yield. Mr. Ralph D'Souza, Grama Panchayat President of Peruvai and 30 farmers/farm women were participated.



Farmers Field Day on Scientific Coconut Cultivation

The ICAR- Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the Farmers Field Day on scientific coconut cultivation sponsored by Coconut Development Board (Ministry of Agriculture and Farmers Welfare, Government of India) Regional Office Bengaluru on 23rd March, 2023 at Kodiyala Village of Sullia Taluk, Dakshina Kannada district.

Dr. Rashmi R., Scientist (Horticulture) highlighted about the present status and future scope for the development of coconut orchards in the district and urged to utilise technologies developed by the various institutes. Also explained about scientific method of coconut cultivation, soil sampling techniques and integrated nutrient and water management in coconut. Dr. Kedarnath, Scientist (Plant Protection), ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru delivered a lecture on plant protection measures for sustainable and effective management of pest and diseases. Progressive farmers Mr. Gopala Krishna Gowda and Mr. Seetharama Gowda progressive farmers participated in the programme encouraged the farmers to adopt the coconut based integrated farming system for higher yield.

A total of 34 farmers were participated in the programme and Mr. Vittal Gowda, FOCT trainee acted as master trainer and shared his experiences with the participants.



Block Level Seminar on ICM in Coconut

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru in association with Coconut Development Board (Ministry of Agriculture and Farmers Welfare, Government of India) Regional Office, Bengaluru organized the **Block Level Seminar** on “Integrated crop management in coconut” to impart knowledge and skills for farming community on coconut cultivation at Samaja Mandira, Moodbidri on 24.03.2023.

The seminar was inaugurated by Mr. Walter, President of Raitajanya FPO interacted with the farming community of Moodbidri taluk and shared his experiences, Mr. Ignatino Lobo, progressive farmer graced the occasion as chief guest. Dr. Rashmi R., Scientist (Horticulture) coordinated the programme and highlighted about the present status and future scope for the development of coconut orchards in the district, scientific coconut cultivation practices for sustainable production of coconut and urged to utilise technologies developed by the various institute. Dr. Kedarnath, Scientist (Plant Protection) ICAR-KVK, Dakshina Kannada briefed about plant protection technologies for effective management of pest and diseases. Mr. Ramakrishna Shenoy, progressive farmer, Beluvai interacted with participants and shared his experience on integrated and coconut based farming system. Mr. Sandeep Poojary, CEO, Raitha Janya Farmer Producer Company Limited, Mr. Vaman Naik, Mr. Deepak Kolke, Mr. Harish Kotian and other officials of the FPO were also participated in the programme. Total 50 farmers/farm women and extension personnel were participated in the programme.



Farmers Field Day on Scientific Coconut Cultivation

The ICAR- Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru has organized the Farmers Field Day on scientific coconut cultivation sponsored by Coconut Development Board (Ministry of Agriculture and Farmers Welfare, Government of India) Regional Office Bengaluru on 25th March, 2023 at Beluvai Village of Moodbidri Taluk.

Dr. Rashmi R., Scientist (Horticulture) highlighted about the present status and future scope for the development of coconut orchards in the district, scientific method of coconut cultivation practices, soil sampling techniques and integrated nutrient and water management in coconut and urged to utilise technologies developed by the various institutes. Dr. Kedarnath, Scientist (Plant Protection), ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru briefed about plant protection measures for sustainable and effective management of pest and diseases. Mr. Leo Walter Nazrath inaugurated the programme. Dr. Nagaraj Shetty a progressive farmer participated in the programme and motivated the farmers to adopt the coconut based integrated farming system for higher yield. Mr. Sandeep Poojary, CEO of Raitha Janya Famers Producer Company Ltd., Moodabidri participated in the event.

Mr. Ramakrishna Shenoy Retired Army Officer and progressive farmer and 30 farmers were participated in the programme.



Block Level Seminar on ICM in Coconut

The ICAR-Krishi Vigyan Kendra (Dakshina Kannada) Mangaluru in association with Coconut Development Board (Ministry of Agriculture and Farmers Welfare, Government of India) Regional Office, Bengaluru organized the **Block Level Seminar** on “Integrated crop management in coconut” to impart knowledge and skills for farming community on coconut cultivation at Terasa Agro Solutions, Vittal, Bantwal Taluk on 27.03.2023. The seminar was inaugurated by **Mr. Alphonso Mascarenhas, progressive farmer**. He interacted with the farmers as well as shared his experiences with the farming community. Dr. Rashmi R., Scientist (Horticulture) coordinated the programme and highlighted about the coconut cultivation practices, present status as well as future scope for the development of coconut orchards in the district. Also urged to utilise technologies developed by the various institutes. Dr. Kedarnath, Scientist (Plant Protection) ICAR-KVK, Dakshina Kannada explained about plant protection technologies for effective management of pest and diseases. Mr. K. Sadananda, Grama Panchayat President was also participated in the programme. Total 51 farmers/farm women were participated in the programme.



Workshop on Advanced Aquaculture Techniques

A workshop on advanced aquaculture techniques was organised at Sullia, Dakshina Kannada with special importance on murrel fish conservation and culture in inland waterbodies. Dakshina Kannada, Krishi Vigyan Kendra, Department of Fisheries, College of Fisheries, Mangaluru actively took part in the workshop. Minister of State for Fisheries, Ports and Inland Transport Department of Karnataka, Mr. S. Angara inaugurated the programme and addressed the farming community that Murrel has been an indigenous species in the Payasavini, Eluve and other rivulets in Sullia Taluk but availability of these murrel fishes in the recent times has diminished and there is need for improving the stock with various interventions such as seed production and distribution centre in the vicinity, for which Government of Karnataka will establish a production centre in the days to come.



With improving demand for fish in the market, there is a need of producing the quality food through scientific farming, hence need to take help from KVK, Fisheries College and Department of Fisheries for scientific advices. Mr. Ramacharya, Director, Department of Fisheries, Government of Karnataka addressed the fish farmers by providing the details of departmental activities and schemes available under PMMSY.

President, KFDC Mr. Seetharam, ZP member Mr. Vinaykumar, FFPO president and progressive fishermen, Mr Radhakrishna Budiya, Deputy Directors Mr. Dinesh, Mr. Harish and Dr. Shushmitha Rao, Dean, Dr. Shivakumar, Extension Head, Dr. Somashekar were participated in the workshop. Technical session involved the discussion on Recirculatory Aquaculture System (RAS), Biofloc technology, Aquaponics, Cage culture, etc. Dr. Chethan N., Fisheries Scientist of KVK, DK explained about the possible opportunities for fish farming in Dakshina Kannada and Murrel farming techniques. The farmers-scientist interaction session was organised to help the farming community to clear the doubts in aquaculture and adopt scientific interventions. Exhibition was also organised during the programme where KVK, DK, College of Fisheries, Mangaluru, Department of Fisheries, Dakshina Kannada, private fisheries firms displayed their fisheries activities by respective departments. Fish farmers were provided with 15,000 murrel seeds by the Department of Fisheries for promoting the murrel farming in the district.

Skill based programme for Krishi Sakhi

The ICAR-KVK organised the capacity development programme for first batch of Community Resource Persons of Farm Livelihood (Krishi Sakhis) from 06.03.2023 to 11.03.2023. The programme was organised in association with SANJEEVINI- KSRLPS, Department of Skill Development, Entrepreneurship and Livelihoods, Government of Karnataka, Zilla Panchayath, Dakshina Kannada. Shri. Lokesh, Executive Officer, Zilla Panchayath, Dakshina Kannada in his inaugural address focused on role of Krishi Sakhi at their panchayath level and appreciated KVK efforts in imparting the training programme. Dr. T. J. Ramesha, Senior Scientist and Head, presided over the programme and opined that Krishi Sakhis should be actively involved in doubling of farmers income and serve as extension functionaries. Dr. Naveen Kumar B. T., scientist (Agronomy) coordinated the programme.

Mr. Hariprasad Gowda, District Programme Manager, Mr. Ashoka, Taluk Manager, staff of zilla panchayath and KVK, Dakshina Kannada were present. The programme was formulated and organised based on need of the farming community of the district. The participants were provided with certificates.



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Published by : Senior Scientist and Head
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