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Solar power system launched by Hon. Minister Dr. K.T. Jaleel



Five kilowatt capacity solar power system installed by KVK was launched on 29th July 2017 by Dr.K. T. Jaleel, Hon. Minister of Kerala for Local self administration and welfare of minority. The facility was established with the award money received by KVK as part of ICAR Best Zonal KVK award 2015.

Visit to KVK by Richard Hay, Hon. MP



Hon. Member of Parliament, Richard Hay visited KVK Malappuram on 15th November 2017 and interacted with staff of KVK. The extension efforts and farmer oriented activities of KVK were much appreciated by him. He also interacted with the participants of an on-campus training programme being held in KVK.

World Soil Day



In view of sensitizing farmers and public on the importance of soil health and its management KVK celebrated soil day on 5th December 2017 in Kottakkal. The inauguration and the distribution of soil health cards were done by Hon. MLA Sri. Abid Hussain Thangal. Seminar on soil health management by subject experts was attended by 335 farmers. An exhibition was also organised by KVK and Department of Soil Conservation and Soil Survey.

Sankalp Se Sidhi



Sankalp Se Sidhi programme organized by KVK Malappuram was held at Parappanagadi on 26th August 2017, in which 204 farmers and 10 officials participated. The function was inaugurated by Hon. MLA Sri. P.K. Abdu rabb and took the pledge.

"If agriculture fails, everything else will fail"

-M.S. Swaminathan

Mahila Kisan Divas



The Mahila Kisan Divas was celebrated on 15th October 2017 by KVK Malappuram in collaboration with National Service scheme of SNMHSS, Parappanangadi and Parappanad Farmers Club. A debate on "Modern Agricultural Techniques and Human health" was conducted for the +2 girl students and quiz competition for women.

Krishi Unnati Webcast



KVK Malappuram conducted the webcast in connection with Krishi Unnati Mela at IARI, New Delhi on 17th March 2018 in KCAET auditorium, Tavanur. The programme was inaugurated by Sri. Assainar Haji, Ward Member, Tavanur Grama panchayat. The webcast was made from 12.15 pm to till the end of the Prime Minister's speech. In the mean time a seminar on 'water conservation in summer season' was conducted. 135 farmers witnessed the webcast and attended the seminar

On Farm Trials

Assessment of short duration paddy varieties to mitigate drought



'HS-16' gave a yield almost near 'Uma' within a duration less by 2 weeks and so escaped the bad effects of drought.

Assessment of drought management strategies in rice



Spraying PPFM @ 10ml/l at panicle initiation stage of paddy resulted in yield increase from 900 kg/ha to 4700 kg/ha.

Organic management of cowpea pod borer



The percentage of incidence of pod borer was reduced much by spraying *Bacillus thuringiensis* at 0.5%.

Assessment of high density planting in Nendran banana cultivation



The OFT on assessment of high density planting in Nendran banana cultivation is going on and the result is awaited.

Assessment of herbal preparation for the control of ecto parasites in dairy cattle



Application of the herbal preparation of calotropis and neem oil at an interval of 14 days was found to be a good organic option for managing ecto parasites.

Front line demonstrations

Short duration heat tolerant cow pea variety PGCP6 for drought prone rice fallows



Cowpea variety PGCP6 was found to perform well in drought situations giving an yield of 1278 kg green pods /ha in 65 days

Insitu moisture conservation measures in coconut garden



Making rain pits and adopting mulching in coconut basins gave increase in soil moisture content by 3% and increase in water level of nearby wells by 17 cm.

Demonstration of "Sampoorna" nutrient formulation in Rice



Spraying sampoorna twice at 30 and 50 days after transplanting @5 g/l of water resulted in yield increase by 420 kg/ha

Precision farming techniques in open field vegetable cultivation



Adopting precision farming techniques could result in increase of vegetable yield by 3.6 t/ha with 30 to 50 % saving of water and 20-30% saving of fertilizer and 100% control of weeds.

Management of wild boars using BoaRep



The frequency of raid by wild boar in cropped fields reduced from once in 3 days to once in 14 days by applying BoaRep repellent.

Management of amaranthus leaf blight using cow dung slurry and *Pseudomonas*



Incidence of leaf blight in amaranthus could be completely checked by spraying of cow dung slurry supernatant and *Pseudomonas* giving 1.362 t/ha additional yield.

Community approach for management of Rhinoceros beetle using *Metarhizium*



The percentage infestation of coconut palms by Rhinoceros beetle reduced from 50 to 28% and number of grubs in cowdung pits from 6 to 0/m³ by applying *Metarhizium* to dung pits/ manure pits at 6 months interval.

Demonstration of mosaic resistant cowpea variety Geethika in Malappuram district



Geethika was found to be a mosaic resistant yard long bean variety giving an additional yield of 1.837 t/ha.

Demonstration of new strain of milky mushroom Bheema



The new milky mushroom variety performed best giving increased yield by 103 g /bed and shelf life by 3 days.

Demonstration of Hybrid Napier variety CO 5 for intercropping in coconut plantations



The Hybrid Napier variety CO 5 gave 18 t/ha more yield than Supriya in coconut plantations.

Anti stress medication to improve estrus manifestations in cow



Application of herbal drugs with mineral supplementation increased the estrus signs and reduced the interval of estrus signs suggesting its suitability for managing stress induced infertility.

Portable vertical farming structure for vegetables with drip irrigation



The portable vertical farming structure designed by KVK was successfully demonstrated to produce vegetables throughout the year in grow bags in urban areas with scarcity of land.

Entrepreneurship Development Programmes



Under the EDP programme KVK supported a kudumbasree group of Tavanur to establish production unit for value added products of jack fruit and an SHG group of Kalady to establish a production unit for value added products of Grand Naine Banana.



Trainings

During the period 87 trainings were conducted to farmers, youth and extension personnel and the number of trainees were 4948. Apart from this, one long duration skill training on "Agricultural Extension Service Provider" was organized for 20 trainees.

Production of technical materials

Items	2017-18
Vegetable seed (Kg)	1017
Planting materials (Nos)	116062
Pheromone traps (Nos)	1638
Bio products (Kg)	41009
Nutrient mixtures (Ayar and Sampoorna) (Kg)	21423

Technology Week (Pulari-2018)

KVK in collaboration with ATMA, Malappuram organized the technology week from 21st February to 24 February, 2018. Dr. Jiju P Alex, Director of Extension, Kerala Agricultural University inaugurated the programme and the exhibition was inaugurated by Dr. Santhi Mary Mathew, Dean, KCAET, Tavanur. State award winners of the district were honoured on the occasion. Seminars on rice, banana, tuber crops and vegetables, quiz competitions for students and farmers were held. Farmer scientist interaction organized in connection with the programme resulted in on the spot solution to the farmer problems with respect to various crops.

SAC Meeting

The Fifteenth Scientific Advisory Committee meeting of the KVK was held on 05/05/2017 chaired by Director of Extension, Dr. Estellita.

Monthly Technology Advice

Harithasandesham, the Monthly Technology Newsletter of ATMA vetted by KVK scientists reached nearly 8000 farmers every month.

Farmer Field School (FFS)



A Farmer Field School on ICM in yard long bean was organized for farmers of women groups in Kadalundi Nagaram.



Integrated Farming System (IFS)



Four new IFS models were technically supported by KVK during the period.



Technical content developed

To support the crop health management scheme implemented by Dept. of Agriculture, KVK developed and distributed technical content as roll up exhibits, 3x2 charts and laminated photos on IPDM, INM and soil health management technologies. The materials reached 54 institutions spread over 9 districts

Publications and Electronic media

KVK, Malappuram published 7 technical bulletins namely Vila arogya paripalanam- Nellsu (Rice), Vila arogya paripalanam -Thengu (Coconut), Vila arogya paripalanam -Vazha (Banana), Vila arogya paripalanam -Sugandhavila (Spices), Vila arogya paripalanam -Pachakkari (Vegetables), Sasya samrakshana sahayi- Nellsu and Sasya samrakshana sahayi- Pachakkari. KVK also designed and developed an educational video CD on Cashew cultivation

Externally Funded Projects

The activities of KVK were strengthened by the support of external aided projects for Rs. 25.249 lakhs

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