



**TAMILNADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY**  
**DIRECTORATE OF EXTENSION EDUCATION, CHENNAI**  
**ICAR-KRISHI VIGYAN KENDRA, NAMAKKAL - 637 002**

**NEWS LETTER**

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Krishi Vigyan Kendra, Namakkal, is a centre for transfer of technologies from lab to various groups like Farming Community, Self Help Groups, Rural Youth, Extension Personnel etc., through organizing various events like trainings, On Farm Testing, Front Line Demonstrations and Advisory services regularly. Based on the need of farmers, paid training on organic farming & certification, roof top gardening & honey bee rearing were conducted. In addition, routine trainings on basic crop production technologies, nutrient management, pest & diseases management, dairy & goat farming, fish farming techniques were taught to farmers & farm women during the past quarter. The activities done in April to June 2017 are given hereunder.

**On campus training programme**

From April to June 2017, thirteen on campus trainings were conducted in KVK, Namakkal. A total of 279 farmers were benefitted by these training programmes. Pulses & oil seeds crop production details, integrated nutrient management for agricultural crops, nursery management in horticultural crops, protray nursery techniques, integrated pest & disease management, summer management in livestock, goat farming, hydroponic fodder production, ornamental fish farming, composite culture, & fish feed preparation were taught during the training programme.



**Paid training programme**

KVK, Namakkal has introduced paid training programmes & four programmes were conducted during May & June 2017 at KVK, Namakkal. Organic farming and certification on 15.05.2017 followed by two trainings on roof top gardening on 22.05.2017 & 22.06.2017 & one training on honey bee rearing techniques on 06.06.2017 were conducted by agronomy, horticulture & entomology scientists. Totally 84 trainees were participated & benefitted. Organic farming methodologies, ways to get organic farming certification, kits required for roof top gardening, pest management in vegetable crops, rearing of bees & honey extraction were taught during these programmes.

## Sponsored training programme



A total of five sponsored on campus trainings were conducted at KVK, Namakkal during the previous quarter. Of which, 2 trainings were funded by Puduvaazhu &

3 trainings by ATMA, Care Trust, Dept. of Horticulture, Namakkal respectively. Trainings were mainly focused on IPM in tomato, protray nursery technique for turmeric, tapioca cultivation, shade net nursery production & micro enterprises training on coffee/milk/cool drinks outlet. Totally 173 nos. were participated in the trainings.

## Training with line departments



KVK Namakkal in association with agriculture & horticulture departments, organized nine non funded off campus trainings at farmers field. Integrated

insect-pests management through AESA in horticulture crops, IPM in bhendi & black gram were the topics of these trainings. A total of 491 farmers were participated in the above said training programmes.

## Off campus training programme



A total of 17 off campus trainings were conducted in farmer's field for successful crop production & livestock rearing with scientific approach by the farming community. Totally 744

farmers (Male - 308 nos. & Female - 436 nos.) were participated and benefitted by these trainings. Vermicompost preparation, green fodder production, desi chicken rearing, dairy farming, integrated pest & disease management in tapioca, sugarcane, cotton, integrated crop management in onion, soil sampling & nursery management in chillies, management practices in carp culture were the areas focused during the trainings from April to June 2017.

## Zonal workshop

KVK, Namakkal has organized the monthly zonal

workshop for ADA's & AO's of Namakkal district on 09.05.2017 & 13.06.2017 at KVK, Namakkal. Totally 70 extension officials were participated. Major problems occurred in crop production of different blocks were discussed among the officials for the betterment of farming community in their farming operations. Season oriented technical lectures were delivered to the officials in the programme by the staff of KVK.



## Exhibitions conducted/participated

KVK, Namakkal has participated in two days exhibition for Uzhavar Vizha 2017 conducted by Mahendra Engineering College, mallasamudram from 30.06.2017 to



01.07.2017. Totally 947 farmers were participated in the exhibition. Fodder seeds, vegetable seeds, bio inputs, organic products for pest control & crop growth were displayed in the exhibition.

## Soil & water analysis & issue of soil health cards

100 soil samples & 36 water samples analyzed and soil test based integrated fertilizer recommendation



suggested to farmers for all crops. Based on the quality of irrigation water, suitable crops recommended to farmers. Totally 100 soil health cards issued to farmers with soil test based integrated fertilizer recommendation.

## Exposure visit to KVK, Namakkal

Thirty one students from Chittagong Veterinary and Animal Sciences University, Bangladesh has visited the KVK, Namakkal during their Internship programme



at Veterinary College & Research Institute Campus,



Namakkal. In addition, 122 students from PGP college of Agriculture & Regional Research Station, Aruppukottai & 32 farmers from Perambalur visited the KVK during the last quarter.

### Village adoption programme



KVK Namakkal has adopted two villages namely Peramandam -palayam & Aniyapuram for the year 2017-18. In association with Reliance Foundation & M. M. Hospital, Namakkal, KVK has organized a Human Health Camp at N.S. Arumugaudaiyar Government Higher Secondary School, Aniyapuram on 24.06.2017 for the benefit of village people. Totally 150 people were participated & benefitted by this event. Basic health check up tests were conducted & treated different ailments.

### Awards



Th.C.Sowndhara- rasan, innovative farmer belonged to Vadavathur, KVK adopted village for NICRA Scheme got “Best Innovative Farmer Award-2017” by The Director General of

ICRISAT, Dr. David Bergvinson during CRIDA foundation day-2017 held at Hyderabad on 12.04.2017. Th. Sowndhararasan received this prestigious award for continuous adoption of climate resilient technologies in his farm and effectively integrating of dairy, goat and poultry enterprise with crop husbandry.

Th. K.K. Velusamy received best farmer award for Integrated Farming System from Mahindra Engineering College, Mallasamudram during Uzavar Vizha 2017 held on 30.06.2017 & 01.07.2017.

### National Innovation on Climate Resilient Agriculture (NICRA)



Before Intervention

Under NICRA scheme Ponnagkannikuttai was repaired & renovated to an area of 14,560 square meters with a water holding capacity of 252 lakhs liters which results

in storage of 5 lakhs liters during the summer rainfall (received 202mm). Their by 27 open wells and 75 bore wells recharged & resulted in 29.6 ha of area has been increased for cultivation of crops at Jambumadai and Vadavathur village of Namakkal District.



After Intervention

### National Food Security Mission on Pulses

Green gram variety CO-8 with integrated crop management practice recorded the high yield of 875 kg / ha with net return of Rs. 34000/ ha. Also it had more number of pods, synchronized maturity and suitable for machine harvest and moderately resistant to YMV disease under rainfed condition compared to variety TMV 13.



New black gram variety VBN.6 produced more number of pods, & grain yield of 680 kg/ha with net return of Rs. 17,900/ha. Also results recorded uniform pods maturity, suitable for machine harvest and resistant to YMV disease compared to local variety VBN 4.

### National Mission for Oil seeds & oil palms

Groundnut variety (CO-6) were recorded more number of pods per plant and higher pod yield per ha (1400 kg/ha) compared to traditional groundnut variety (TMV-7) cultivation.



#### FOR MORE DETAILS PLEASE CONTACT

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#### **Krishi Vigyan Kendra, Namakkal - 637 002**

To  
Mr/Mrs \_\_\_\_\_

From \_\_\_\_\_

Senior Scientist & Professor and Head  
Krishi Vigyan Kendra, VC&RI Campus, Namakkal - 637 002.

## Success story

1.	Name & Address of the farmer	 <p><b>Th. P. Allimuthu</b> S/o. T. Perumal, Minnakkal (Po), Rasipuram Taluk, Namakkal District - 637 505, Tamil Nadu.</p>
2.	Type of farm & stock size	Horticultural nursery - Propagation and production of various horticultural plants by budding, grafting and air layering in an area of 5 acres.
3.	Income generated / annum	Rs. 5,50,000/- as a net profit.
4.	Innovative package of practice adopted by the farmer	<ul style="list-style-type: none"> <li>❖ Year round mango production through different varieties grafted / Top worked on a single mango tree. Single mango tree can bear 27 varieties of mango.</li> <li>❖ Under Public private Partnership (PPP Model), he signed MOU with TANUVAS Krishi Vigyan Kendra, Namakkal, Tamil Nadu and sold 10368 no.of planting material for the benefit of farming community of Namakkal District.</li> <li>❖ 2000 mango trees top worked per year across Tamil Nadu and Andhra Pradesh with farm size of one cent to one acre. So far 10000 tress top worked.</li> <li>❖ He trained 72 grafting persons from 14 districts to do all types of grafting work in fruit saplings under National Horticulture Mission.</li> </ul>
5.	Technologies Practiced	<ul style="list-style-type: none"> <li>❖ Drip irrigation for all fruit crops</li> <li>❖ High Density planting of Mango (var. Alphonso and Imam Pasand) : 400/ acre.</li> <li>❖ Organic farming.</li> <li>❖ Recycling of farm waste and used as manure.</li> <li>❖ The following varieties of Mangoes viz., Alphonso, Imam pasand, Salem Bangalora, Mallika, Mulgoa, Sendura, Neelum, Banganapalli, Neelisha, Rumani &amp; Nadusalai were grafted by approach as well as epicotyl grafting techniques and sold.</li> <li>❖ He also done grafting in Guava, Jack, Sapota, Amla with choice varieties</li> </ul>
6.	Strategies adopted for control of disease	Adoption of scientific as well as preventive application of bio pesticide and bio fungicide for the control of pest and disease in fruit saplings.
7.	Number of employment created	15 numbers of female & male persons were involved daily for media prepartaion, potting, grafting, watering and sale of planting material in the nursery.
8.	Tie up with other agencies	State Horticulture Department and KVK, TANUVAS.
9.	Economic empowerment of the farmer	He earned as a net profit of 5.50 lakhs per annum in 5 acres by sale of grafted saplings.