



TAMILNADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY

DIRECTORATE OF EXTENSION EDUCATION, CHENNAI

ICAR-KRISHI VIGYAN KENDRA, NAMAKKAL - 637 002

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NEWS LETTER

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JULY - SEPTEMBER 2017

Krishi Vigyan Kendra, Namakkal, is a centre for transfer of technologies from lab to various groups like Farming Community, Self Help Groups, Rural Youths, Extension Personnel etc., through organizing various events like trainings, On Farm Trials, Front Line Demonstrations and Advisory services regularly. To improve the livelihood of farm women, farmers & physically challenged people, various trainings on integrated crop management practice in agriculture and horticulture crops, roof top gardening, integrated pest and nutrient management, profitable dairy farming, native chicken rearing, green fodder production were conducted during the quarter. The onset of monsoon was good in this quarter, and hence KVK has given keen attention to motivate the farmers to cultivate crops by using available moisture and given preventive measures to control the pest and diseases in the monsoon. The nutshell of the activities carried out in July to September 2017 is presented below.

New India Manthan - Sankalp Se Siddhi programme

One day farmers fair on New India Manthan - Sankalp Se Siddhi programme towards introducing recent technologies in Agriculture and Allied sectors for doubling the farmers income was conducted at Paavalur M. Muthusamy Municipality Hall, Thuraiyur Road, Namakkal district on 29.08.2017. Totally 621 farmers from various blocks of Namakkal were participated in the programme. An exhibition was also conducted during the programme. Honorable Member of Parliament P.R. Sundaram, inaugurated the exhibition and given special address to gatherings. He urged the farmers to adopt recent farming technologies to increase the farmer's income and improve the soil fertility. Also he administered "Sankalp Se Siddhi" pledge to the gathering. Critical inputs like short duration and drought tolerant varieties, soil health cards, desi chicken and fingerlings were given to the farmers to ensure doubling the income through integrated farming system among the farmers. The booklet entitled "Recent production technologies in Agriculture and Allied sector was released by the Honorable Member of Parliament and shared among the dignitaries in the dias and farmers assembled in the meeting. Dr. N. Akila, Senior Scientist



and Head welcomed the gatherings. Th. P. Kandasamy, Joint Director of Agriculture, Namakkal and Th. R. Karikalan, Ex. Chairman, Namakkal Municipality has felicitated the Event. Also arranged guest lectures on special topics with scientists to update the knowledge of farmers. Guest lectures on Integrated Farming System was given by Dr. M. Mohammed Amanullah, Professor (Agronomy), Department of Agronomy, Tamil Nadu Agricultural University, Coimbatore, Biogas Production Technologies by Dr. L. Pugalendhi, Professor and Head, Dept. of Bio Energy, Tamil Nadu Agricultural University, Coimbatore and Micro Irrigation Techniques by Dr. V. Perasiriyan, Associate Professor (Agricultural Engineering), Centre for Poultry Production and Management, Hosur, Tamil Nadu Veterinary and Animal Sciences University, Chennai. Finally the programme was concluded by Dr. P. Murugan with vote of thanks and National Anthem.

TNLDA Sponsored Awareness Programme on “Influence of Scientific Feeding Practices to get Higher Conception Rate in Dairy Cattle”



A w a r e n e s s programme on “ I n f l u e n c e o f Scientific Feeding Management to get higher conception rate in dairy cattle” under TNLDA-NPBB

farmers orientation workshop was conducted at Paavalar M. Muthusamy Municipality Hall, Thuraiyur Road, Namakkal district on 06.07.2017. Totally 500 farmers owning dairy animals were participated in the programme. An exhibition was conducted and 6 stalls related to fodder seed and setts, hydroponics fodder production, different livestock feeds, azolla, silage bag, mineral mixture, machineries and charts on dairy management were displayed for the benefit of the participants. Also scientific lecture entitled “Ways and means of Profitable dairy farming, green fodder production and preservation and alternative feed resources and utilization of locally available crop

residues as animal feed” were given by Dr. N. Akila, Senior Scientist and Head, Dr. P. Murugan, Agronomist and Dr. M. Jothilakshmi,



Animal Scientist respectively. At the end of the programme demonstration of chaff cutter and brush cutter was conducted to the farmers. Video lessons on scientific dairy management were shown to the participants and booklet on feeding and breeding management of dairy cattle was distributed to them.

Dignitaries visit to KVK, Namakkal



Mr. R. Vikram Kapoor, Principal Secretary to Government, Department of Energy &, Mrs. M. Asia Mariam, District Collector along with

Agriculture & Animal Husbandry department officials visited KVK, Namakkal on 20.07.2017. Dr. N. Akila, Senior Scientist and Head narrated the various activities carried out by KVK for drought mitigation especially introduction of drought tolerant varieties, seed hardening, effective watering done for the perennial trees, hydroponics fodder, azolla as feed for livestock and foliar spraying of pink pigmented facultative microbes and potassium chloride. Instructional units functioning for the benefit of farmers at KVK, Namakkal were also explained to dignitaries.

World Honey Bee Day



World honey bee day was celebrated on 19.08.2017 at KVK, campus. In the event 50 farmers were participated and benefitted. Bee

hive boxes & bees were distributed to encourage the farmers to start honey bee rearing.

Establishment of Nutritional Garden under TANUVAS Village Adoption Programme



KVK Namakkal has established nutritional garden at N.S. Arumuga Udaiyar Higher Secondary School, Aniyapuram on 10.08.2017 for Agri

Students under TANUVAS village adoption programme. Students and staffs were trained to start and maintain nutritional garden at their own skill after getting proper exposure by this established nutritional garden. The growth and maintenance of nutritional garden was monitored by regular visits.

Clean India Programme

To Make the Clean India - Swachhta Diwas was celebrated by KVK, Namakkal from 15.09.17 to 02.10.2017. In this programme cleaning



work was done by the KVK staffs at KVK premises, public places and tourist place of Namakkal. Major works carried out during the programme were plantation of tree saplings at KVK premise, removal of weeds in and around the KVK buildings, removal and disposal of waste materials dumped in and around the temple situated near KVK, cleaning of public toilets and school, cleaning of water bodies in tourist place etc.,. To make the programme more meaningful drawing and



essay competitions was conducted to students of Veterinary College and Research Institute, Namakkal

and staffs of KVK, Namakkal. The best essay and drawing was selected and the winners were awarded.

On campus training programme



Eighteen on campus trainings were conducted at KVK, Namakkal from July 2017 to September 2017. Totally of 425 farmers were

participated in these programmes. The major topics covered were production technologies in millets, off season vegetable cultivation, integrated crop management in agriculture & fruit crops, role of bio control agents and its preparation, integrated pest management, Integrated nutrient management, Nutriseed pack technology, fodder seed production technologies, desi chicken rearing, goat farming, livestock feed management, integrated fish farming, hormonal induction in fish farming and seabass seed.

Training with line departments

K V K Namakkal has organized 2 trainings with agriculture & horticulture line departments. A total of 64 farmers were participated. The



major themes on organic roof top vegetable gardening and Integrated Pest Management in cereals were taught at KVK and farmer's field respectively.

Off campus training programme



Based on the need of farmers, location specific 26 off campus trainings were conducted at farmer's field to propagate the technologies related

to Agriculture, Horticulture, Animal Husbandry and Fisheries sectors with 754 farmers. Mainly integrated crop management practice in millets, pulses and oil seed, integrated pest and disease management practice for oil seeds, integrated nutrient management practice for oil seeds mixed fodder cultivation techniques, fish farming were taught to the farmers.

Zonal workshop



Monthly zonal workshops for agricultural department officials were conducted on 10.07.2017, 08.08.2017 & 12.09.2017 at KVK,

Namakkal. A total of 100 extension officials were participated. Scientists of KVK, Namakkal were delivered the technical lectures related to the particular seasons. Major field problem in different blocks of Namakkal district were discussed and suggestions were recommended.

Exhibitions conducted/ participated

KVK, Namakkal has participated in two exhibitions, one at CODISSIA trade fair complex, Avinashi Road, Coimbatore for Agri Trade Fair- 2017 held from 14.07.2017 to 17.07.2017 and another one at Mahendra Engineering College, Mallasamudram, Namakkal for Uzhavar Vizha 2017 during 30.06.2017 to 01.07.2017. Fodder seeds, setts, vegetable seeds, mineral mixtures, biocontrol agents, biofertilizers, DVDs and books were displayed in the exhibition. Also KVK, Namakkal has organized two exhibitions during TNLDA programme on 06.07.2017 & Sankalp Se Siddhi Programme on 29.08.2017. A total of 2068 farmers were participated and benefitted.



Soil & water analysis & issue of soil health cards

175 soil samples & 58 water samples received and analyzed during July 2017 to September 2017. Totally 182 soil health cards and 58 water health cards issued to farmers with soil test based integrated fertilizer recommendation. Based on the results, soil test based integrated fertilizer application was promoted among the farmers to improve the soil fertility.



Award received by KVK farmer



Th. K. K. Velusamy S/o. Th. S. Kandasamy has received the best farmer award during Uzhavar Vizha 2017 held at Mahendra Engineering College,

Mallasamudram, Namakkal from 30.06.2017 to 01.07.2017 for adopting profitable integrated farming system since 2009 after getting training at KVK, Namakkal.

Exposure visit

695 farmers from various blocks of Namakkal and different Districts of Tamil Nadu have visited KVK, Namakkal in 13 visits from July 2017 and



September 2017. During the visit, important technical lectures on KVK mandates, organizational set up and instructional unit of KVK, Namakkal were given.

National Innovations on Climate Resilient Agriculture (NICRA)

ICAR sponsored NICRA scheme is in operation since 2010 at Vadavathur and Jambundai villages. To conserve the insitu soil moisture, compartmental



livestock module, 10 poultry night shelters, 5 slatted floor house for goat, 5 improved sheds for sheep were established to protect the animals from heat stress and improve the performance of animals.

National Food Security Mission (NFSM) 2017-18



bundling was promoted in 2017-18 at NICRA village for groundnut, green gram and black gram crops in 40 acres. Also community nursery of CO5 onion variety was taken by the farmers in large scale (88 acres). This reduced the cost of cultivation of Rs.20,000 / acre. As well as to improve the soil fertility and popularize the green manuring practice with mixed pulse seeds (green gram, black gram, horse gram, moth bean and cowpea) was demonstrated to 100 farmers in 50 acres. Seeds were sown and incorporated in the same field after attaining sufficient biomass. Under the

Green gram and black gram crops under NFSM are being conducted at Manickanatham, Nochipatti, R. Pudupatti, Kokalai and Manuva

S. No.	Crop	Variety	Area covered (ha)	No. of farmers involved	Technology demonstrated
1.	Greengram (Kharif)	CO.8	10	25	Demonstration of high yielding green gram variety CO-8 with integrated crop management practice.
2.	Greengram (Rabi)	CO.8	10	25	
3.	Blackgram (Kharif)	VCN.6	20	50	Demonstration of high yielding black gram variety VBN-6 with integrated crop management practice.


Kattupalayam villages of Namakkal District.

The following technologies demonstrated at NFSM Villages

- ❖ Seed rate @ 20 kg/ha
- ❖ Soil application - Trichoderma viride @ 2.5kg/ha – 2.5 kg
- ❖ Seed treatment - P.fluorescence @ 10g/kg – 1.0 kg
- ❖ TNAU Pulse Wonder – 5.0 kg/ha
- ❖ Pheromone traps @ 12no/ha with lures 3 changes
- ❖ Rhizobium seed treatment (3 pkt), soil application - 10pkt/ha
- ❖ Recommended dose of NPK fertilizers (25:50:25kg/ha) * + Sulphur - 20kg/ha*
- ❖ Need based insecticides (Spinosaad & Imidacloprid / Neem oil)



Success story

1.	Name & Address of the farmer	 Th. C. Sowndhararasan S/o. P. Chinnusamy 136-A, Vadavathur village, Senthamangalam Tk., Namakkal District. Cell : 99761 17822
2.	Type of farm & stock size	Integrated Farming System with Climate Resilient Practices in 2010 after selecting Vadavathur as NICRA adopted village by KVK, Namakkal.
3.	Income generated / annum	Rs. 2,50,000/- as a net profit.
4.	Innovative package of practice adopted by the farmer	<ul style="list-style-type: none"> ❖ In situ water harvesting : 2-3 time ploughing. ❖ Ex-situ water harvesting through temporary water storage pond. ❖ Adoption of drought tolerant groundnut variety (CO-6). ❖ Low cost night shelter for poultry birds to prevent the birds from heat stress and predators. ❖ Low cost goat shed with locally available materials. ❖ Cultivation of mixed fodder. ❖ Dry fodder storage bank.
5.	Technologies Practiced	<ul style="list-style-type: none"> ❖ Rain water storage through temporary water storage pond. ❖ Drought tolerant crop varieties. ❖ Low cost night shelter for poultry. ❖ Slatted floor house for goat farming. ❖ Cultivation of cereals, legumes and tree fodders. ❖ Regular vaccination and deworming practice. ❖ Onion storage with available coconut sheaths.
6.	Strategies adopted for control of disease	Adopted all the climate resilient technologies introduced in the village by his own effort by maintaining the farm with effective bio control measures.
7.	Number of employment created	3 persons employed in the farm all over the year (2 family and 1 hired labourers)
8.	Tie up with other agencies	TANUVAS and State Agriculture Department
9.	Economic empowerment of the farmer	He earned the profit of 2.50 lakhs per annum

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