



TAMILNADU VETERINARY AND ANIMAL SCIENCES UNIVERSITY

DIRECTORATE OF EXTENSION EDUCATION, CHENNAI

ICAR-KRISHI VIGYAN KENDRA, NAMAKKAL - 637 002

NEWSLETTER



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Krishi Vigyan Kendra, Namakkal, a technology transfer centre for Agriculture, Horticulture, Animal Husbandry and Fisheries production caters the technical needs for farming community, Self Help Groups, Rural Youths, Extension personnel etc., through conducting various programmes like training, On Farm Testing, Front Line Demonstration and Advisory services regularly. The activities and the various demonstration units established with emphasis to integrate Agriculture, Horticulture, Animal Husbandry and Fisheries enterprises focused year round income to the farming community. Farmers' campaigns on recent scientific technologies, exhibitions, soil analysis and issue of soil health cards, diagnostic field visits, training programmes in association with line departments for state and central government schemes, sponsored trainings, documentation of success stories are certain specific activities carried out along with the routine activities during the quarter by KVK, Namakkal. FLDs and OFTs for 2016-17 are initiated in different clusters. Through this e-Newsletter the important activities of KVK can be brought into public domain for enhanced interface with scientists & farmers.

One day farmers fair on Pradhan Mantri Fasal Bima Yojana

Pradhan Mantri Fasal Bima Yojana awareness programme cum Technology exhibition on Agriculture and allied sector was conducted on 09.07.2016 (Saturday) at Krishi Vigyan Kendra, Veterinary College and Research institute Campus, Namakkal. Totally 1300 farmers (Male : 978 nos. & Female : 322 nos.) were participated in this programme. The exhibition and awareness programme was inaugurated by Honorable Ministers. Th. P. Thangamani (Minister of Electricity, Prohibition and Excise) and Dr. V. Saroja (Minister of Social Welfare and Nutritious Noon Meal Programme). District Collector Th. V. Dhashinamoorthy, IAS, Honorable Member of Parliament Th. P.R. Sundram delivered special address on crop insurance scheme. Member of Legislative Assembly, Namakkal Th. K.P.P. Baskar and Th. C. Chandrasekaran has also participated and felicitated. Technical address on Pradhan Mantri Crop Insurance Scheme was given by Tmt. A.K. Sivamalar, Joint Director, Salem District Central Co-Op Bank, Th. P. Krishnan, IFFCO Tokio GIC LTD, Tiruchirapalli & and Th. T. Loganatha Prakasam, Joint Director of Agriculture, Namakkal. Farmers were interacted with the experts regarding the scheme. Totally 41 stalls on new variety crops, value added products, new irrigation devices, farm implements, breeds of goats and native chicken, plastic slatted floor, pharmaceutical and organic pesticide companies, azolla, mushroom, coconut, honey, organic vegetable producers, hilly products etc., were exhibited on that day for the benefit of the farmers.



Agro Tech Inputs Sales Mart

Agro Tech Inputs Sales Mart was inaugurated by the Honorable Ministers Th. P. Thangamani (Minister of Electricity, Prohibition and Excise) and Dr. V. Saroja (Minister of Social Welfare and Nutritious Noon Meal Programme) as the special event of Pradhan Mantri Fasal Bima Yojana programme organized by Krishi Vigyan Kendra, Namakkal on 09.07.2016. Honorable Ministers initiated the sales and the mart is assisting the farmers to purchase the needed inputs like seeds, saplings, biofertilizers, micro nutrients, mineral mixtures, books, DVDs, bio control agents, breeding stocks and fingerlings.



TANUVAS Foundation Day - 2016

Tamil Nadu Veterinary and Animal Sciences University celebrated the TANUVAS foundation day 2016 at Parimalam Mahal Erode district on 18th and 19th September 2016 with Farmers campaign and exhibition. Farmers, livestock entrepreneurs, women, youth, schools & collage students, & various department officials were participated in the function. Totally 6000 participants were enrolled. Recent issues in livestock farming, problems and prospects were discussed with the farmers. Native breeds of cattle, sheep and goats poultry breeds, clinical services, technologies, livestock products, machineries, aavin services & products, fodder crops, value addition, farm waste recycling and services of line departments were displayed in the exhibition. KVK, Namakkal has worked in exhibition stall arrangement & participated in vermicompost & fodder seed production stalls in the exhibition.

National Initiative on Climate Resilient Agriculture



Activities on Natural Resource Management, crop, livestock & fisheries modules were initiated under NICRA scheme for the year 2016-17. 90 soil samples were collected & 63 soil health cards were issued. For up scaling promising new varieties of groundnut + red gram cropping sequence, short duration green gram & black gram varieties, seeds, biofertilizers, micronutrient mixture and pink pigmented facultative microbes (PPFM) were distributed to farmers. As per the guidance received from KVK, the farmers were enriched the micronutrient mixture with farm yard manure @ 1:10 ratio with friable moisture condition & applied basally. Crops are in vegetative & flowering stage. Farm women group has formed under NICRA & started Panchakaviya preparation as self employment activity. Night shelters and raised floor houses are designed for rearing of goat, sheep & poultry. GIFT Thilepia Fingerlings were introduced in pond to evaluate their performance.

National Food Security Mission on pulses :

Cluster frontline demonstration on kharif pulses under NFSM 2016-17 was implemented at Kalyani & Kattur villages of Pudukathiram block. 50 trials with Greengram variety CO 8 was covered to an extent of 50 acres. Pulse wonder & pulse micronutrient mixtures are the critical inputs distributed to farmers. Now the crops are in vegetative & flowering stage.



National mission on oilseeds & oil palm :

Cluster frontline demonstration on kharif oilseeds under NMOOP 2016-17 was implemented at Peramandampalayam & R. Pudupatti villages of Mohanur & Namagiripet blocks. Groundnut variety CO6 tested in OFT 2015-16 was sown to an extent of 70 acres. Now crop is in flowering stage.

OFT & FLDS for the year 2016-17



S. No.	Name of the Programme	Title	No. of Trials	Area (ha)	Place	Progress made
1.	On Farm Trail	Assessment of suitable management techniques for emerging in disease of para wilt in cotton	10	4	Thoppapatti & Jedarpalayam	10 Soil samples collected, analyzed and issued soil health cards to beneficiaries. Imparted the interventions involved in cotton. Now crop is in vegetative phase.
2.		Assessing the performance of bellary onion varieties (Arka Lalima and Bhima Red)	5	1	Meltholur	Bellary onion is in nursery stage
3.		Assessing the performance of red gram varieties for rainfed condition	5	2	Nochipatti	Soil samples collected & analyzed its properties. Red gram is in germination stage
4.		Enhancing pregnancy rate by using TRIU-B to augment fertility in dairy cattle	10	10 Animals	Valayapatti	Dewormer, mineral mixer supplied. TRIUB applied, AI made
5.		Assessment of simplified crop production by nutripellet pack technology in tomato cultivation	10	1.2	Valayapatti & Ganganickenpatti	Beneficiaries are selected & soil sampling techniques demonstrated

	Frontline demonstration	Demonstration of ICM in banana			Ganganaickenpatti, Sevitturanganpatti & Chinnathanbipalayam	Standing banana is in 5-7 month old crop. Three foliar sprays were given with banana booster. Top dressed the crop with azospirillum, phosphobacteria, urea & Muriate of potash
7.		Demonstration of Jayanti Rohu IFS with Poultry farming in Namakkal district	2	2	Poyeri	Monitored the water quality test at 15 days interval & feed management
8.		Popularization of Pangasius Pangasius fish culture	2	0.1	Vellipalayam Vadaikarathur	Fingerlings stocked in pond & the growth is being monitored.
9.		Enhancing growth rate and productivity of Desi chicken by feeding azolla with shadenet covering	10	450 Birds	Marakkadu	Azolla cultivation established and growth performance is being monitored
10.		Establishment of mixed fodder cultivation model to supplement green fodder to livestock	10	50 Cows	Anniyapuram	Beneficiaries are selected & orientation training on mixed fodder cultivation was completed

Sponsored training

NGO - SSH (Society for Serving to Humanity, Periyappatty, Namakkal), Sponsored one day training in dairy and small ruminant farming was conducted to 23 beneficiaries of SSH NGO of Periapatti, Namakkal on 21.07.2016. In this training, the farm women were trained in package of practices of dairy and small ruminant farming.



Two Capacity building programmes under National Fisheries Development Board, Hyderabad were conducted by KVK, Namakkal during the month of August & September 2016. Capacity building programme on Better Management Practices (BMP) in Carp Farms for 5 days from 08.08.2016-12.08.2016 and Preparation of Value added Fish Products for 5 days from 29.08.2016-02.09.2016 are the two programmes conducted for the benefit of fish farmers. Totally 70 farmers were participated in the training and 4 farmers initiated fish farming after training and also recommended for subsidies from Tamil Nadu State Fisheries Department. Yet another training on fish culture (fresh water & ornamental fish culture) conducted by this Kendra on 26.08.2016 under OFERR-Organization funding for Srilankan Refugee and Rehabilitation. Totally 31 farmers were participated & benefitted.

Training programmes with line departments

On campus training on buffalo farming was conducted to train beneficiaries of NADP / RKVY sponsored scheme on 23.08.2016 & 24.08.2016 associated with State Animal Husbandry Department, Namakkal. In this programme buffalo farming methods and milk production techniques were trained.

Training in association with Agriculture department on organic farming in Karummanur, MP adopted village on 20.08.2016 under Sansad Adarsh Gram Yojana Scheme for promotion of organic farming. A total of 70 farmers were participated. Training under State Balanced Growth Fund (SBGF) on millet production & value addition was



conducted on 23.08.2016 at Karummanur, Mallasamudram block, Namakkal district. Totally 80 farmers were benefitted. KVK officials along with line department officials were participated. Importance of millets, its nutrition, new varieties of small millets, improved cultivation practices, integrated nutrient management practice & integrated pest & disease management contents were taught to trainees. Value added products of millets were displayed in the training programme.

On campus training programme

KVK, Namakkal has conducted 17 on campus trainings from July 2016 to September 2016 in Agriculture, Horticulture, Animal Husbandry and Fisheries. Totally 639 farmers were participated from various districts in Tamil Nadu.



Fodder crops cultivation techniques, castor & ground nut cultivation, integrated nutrient management for oil seeds, small onion, coconut & cotton, integrated pest and disease management for turmeric, small onion, protected cultivation techniques, off season production techniques, rabbit farming, native chicken & Japanese quail rearing techniques, fish farming and value addition in fish products were taught. Fish farming, livestock rearing techniques & bee keeping

techniques are getting more popularity among the farming community and also new farms started by the trainees.

Off campus training programme

From July 2016 to September 2016, 27 off campus trainings were conducted in farmer's field to disseminate the technologies related to Agriculture, Horticulture, Animal Husbandry and Fisheries. Totally 763 farmers were benefitted and learnt season oriented technologies in agriculture and allied sector.



Zonal workshop



Monthly Zonal Workshops for Assistant Director of Agriculture & Agricultural Officer held at this Kendra on 15.07.2016, 09.08.2016 & 15.09.2016. Totally 139 nos. extension officials were participated. Dr. N. Akila, Dr. S. Alagudurai, Th. C. Sankar & Dr. S. Sathya has given need based & season oriented technical lectures to the extension officials. The problems in different blocks were discussed and plan of action prepared.



Exhibitions conducted/ participated

KVK, Namakkal has organized an exhibition at KVK premises during the one day farmers fair on Pradhan Mantri Fasal Bima Yojana programme on 09.07.2016 (Saturday). Totally 1300 farmers were benefitted.

KVK, Namakkal has participated in Agri Index 2016 exhibitions (15.07.2016 to 18.07.2016) held at CODDISIA trade fair complex, Avinashi Road, Coimbatore. Exhibited KVK sales products of Agriculture, Horticulture, Livestock & Fisheries. Also participated in another exhibition on nutritional garden and balanced nutrition for human held at Subhulakshmi Tirumana Mahal, Namakkal on 23.07.2016. Vermicompost & fodder seeds stalls were exhibited in the stalls on TANUVAS foundation day conducted at Parimalam Mahal, Erode district on 18.09.2016 & 19.09.2016.



Soil & water analysis & issue of soil health cards



341 soil samples & 56 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 212 soil health cards issued to farmers with soil test based integrated fertilizer recommendation.



Animal health camp

KVK organized regular vaccination camp once in a week for native poultry birds against Ranihket disease at NICRA village, Vadavathur during the reported quarter. A total of 464 poultry birds were vaccinated. Infertility camp was conducted at Vallayapatti and ten un-ovulatory animals/ repeater cows were selected for treatment.



Exposure visit to KVK, Namakkal



Farmers, rural youths, ladies, students from various parts of Tamil Nadu (270 nos.) visited KVK, Namakkal from July 2016 to September 2016 and collected the information about the latest technologies available in KVK. Also, they visited the instructional units available in KVK. Students from Virginia Maryland Regional College of Veterinary Medicine, U.S also visited KVK under their study tour programme.

Impact of training - Establishment of new farms

S.No.	Type of Farm	Name and Address	Farm Size
1	Bee keeping	B. Nandakumar, Kollihills	Established 10 bee hive boxes
2		S. Ashok Kumar, Thiruchengode	
3		A. Kamalaseka, Sendamangalam	
4		S. Birijith Kumar, Sendamangalam	
5		M. Periyasamy, Mallasamudram	
6		P. Chandrasekar, Vellapatti	
7		R.S. Arun, Vesanam	
8		K. Sivasubramani, Kottai Street	
9		S. Stalin, Andaloor Gate	
10	Desi bird	Rajkumar, Namakkal	50 Parent Stocks
11	Dairy	S. Prabhu, Anniyapuram	10 Cattles
12	Fish	V. Ramesh, Mohanur	2500 fingerlings - carps
13		K. Devarajan, Kumarapalayam	2500 fingerlings - carps
14		S. Vijayasekar, Pottireddipatti	2500 fingerlings - carps
15	Aquariculture	S. Praveen, Chinnamudhalaipatty	2000 fingerlings - Ornamental breed

Diagnostic field visits



Date	Name of the Village	Type of Farm	Problems Identified
13.07.2016	Vettukattupudur	Coconut & Cumbu Napier Grass	Nutrient deficiency in plants
	Permandampalayam	Water Melon	Incidence of white fly and thrips
14.07.2016	Minnakkal	Coconut	Button shedding & Redpalm weevil
20.07.2016	Sappayapuram		Red palm weevil attack
	Akkiyampatty		Drying of Leaves
26.07.2016 & 29.07.2016	Kabilarmalai		Crown rot and red palm weevil infestation
10.08.2016	Thennampillaikadu	Arecanut	Bud rot incidence
12.08.2016	Sendamangalam	Mango	Dieback & deficiency symptom
	Uduppam	Papaya	Mealy bug infestation
08.09.2016	Arasanatham	Mango	Internode borer, Top borer attack
22.09.2016	Thiruchengode	Sugarcane	Root rot incidence, aphids &
		Groundnut	white fly

Village adoption

For the year 2016-17, two villages namely Permandampalayam & Anniyapuram were selected & adopted by KVK, Namakkal. Base line survey including basic information of the village, demographic information, access to infrastructure facilities/services, education/ICDS facilities, coverage of villages under different facilities & services, land and irrigation facilities, number of village level institutions / activities, need assessment, village natural resource particulars, migration status, improving credit behavior, enlist programmes carried out with respect to Swatch Bharth, human health care facilities, veterinary health care facilities, cropping pattern in the village, schemes/programmes implemented at the village level, agro produce marketing arrangements in the villages were collected and compiled for preparation of plan of work



Publications/Messages

Fourteen season oriented technical articles were published in magazines and Tamil dailies. Also 27 season oriented advises given to farmers through Agromet field unit, VC& RI campus, Namakkal.

Awards

Three farmers trained by KVK, Namakkal and established livestock farms were received best farmer award in the TANUVAS foundation day 2016 conducted at Parimalam Mahal Erode district on 18th and 19th September 2016.

Th. P. Manoharan, Mallur for desi bird farming: Started rearing desi chicken in 2003 and established a successful breeding farm for desi chicken in Tamil Nadu.




Th. K.P. Thangavel, Konur - kandampalayam for integrated livestock farming : He started rearing 10 chicken in 2000 and integrated dairy and goat farming with desi chicken during the year 2005. Marketing 5000 chicks in a week by maintaining elite breeds of desi chicken. Also market calves and kids to the needy farmers for rearing.



Th. P. Muthusamy, Unchapalyam for dairy farming : He has eight years experiences under dairy farming and maintained 20 cows in his farm, produces 180 to 200lts of milk per day since 6 years.

Success story

1.	Name & Address of the farmer	 <p>Mr. K.P. Thangavel S/o. A. Palanisamy, 7/153, Konur - kandampalayam, Namakkal - 637 207.</p>
2.	Type of farm & stock size	Desi chicken farm - 1000 nos. Dairy farm-10 nos. Goat farm-50 nos.
3.	Income generated / annum	Rs. 4,00,000/- (Profit)
4.	Innovative package of practice adopted by the farmer	Artificial Insemination in desi chicken Hatching of eggs using incubator Cage system of rearing of desi chicken Cross Tellicherry & kanni goats with boer buck Mineral mixture supplementation Own concentrate cattle feed preparation
5.	Technology received from	KVK, Namakkal
6.	Strategies adopted for control of disease	Regular vaccination practices and bio safety measures
7.	Number of employment created	5 persons employed in the farm all over the year (2 family and 3 hired labourers)
8.	Tie up with other agencies	State Animal Husbandry Department and TANUVAS
9.	Economic empowerment of the farmer	Started desi chicken rearing with 10 birds in 2000, he established an integrated livestock farm and earned around annual profit of 4.0 lakhs

FOR MORE DETAILS PLEASE CONTACT

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To

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