



From Chief Editor's desk.....



KVK, Deogarh has celebrated its 7th birth anniversary recently. Within these seven years it has added a number of success stories in its achievements. KVK, Deogarh was established in order to test various research findings in this plateau ecosystem, popularize them and to provide employment opportunities to the rural farm families and youths through its training programmes.

Last year our KVK had trained about 1635 farmers, farm women and rural youths of the district and aware 9990 farmers on various agri-information through the extension activities. On-farm testings on some new concepts like brown manuring in rice, shabhazi dhan for climate resilience in agriculture, cue lure against fruit fly of



watermelon were organised. We had also taken up 24ha of hybrid maize and sweet corn in FLD programme during rabi and summer to increase cropping intensity mostly in the tribal areas. Some tested technologies like weedicide application in various crops was popularized in FLD programmes.

FLDs on oil seeds and pulses taken since the inception of KVK, for introduction of new varieties and technological modules on INM and IPM, have been giving satisfying results.

We have registered 1005 number of farmers in our KMA services and provide regular technical back-stopping not only on cropping procedures but also in non-crop components as well as weather and market information.

82% of our farming community belong to small and marginal categories. For the last two years KVK is striving to focus on integrating crop and non-crop components to maximize the income from the existing resources through various types of IFS.

No doubt, we have got accolades from our district administration, OUAT and scientists of ICAR for our endeavours.

I must thank my editorial team for their efforts in bringing out this quarterly newsletter regularly for the benefit of the farming community of our Deogarh district.

Dr K C Barik

6th Year

2nd Issue

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PRADHANPAT

Agricultural Newsletter

KRISHI VIGYAN KENDRA, DEOGARH

Orissa University of Agriculture and Technology, Bhubaneswar

Farmer Speaks....



A certificate of passing +2 examination gave me nothing except desperation. My parental assets were not as much so that I could live a prestigious life depending on it. From the 5 acres of the upland, leaving 3 acres in paddy cultivation hardly I was harvesting 1q of green gram from the rest. Fortunately, I got an opportunity to attend a KVK sponsored training programme on crop diversification in uplands. Later on I discussed with the KVK scientists, which showed me the way for the best utilization of the uplands throughout the year with all scientific cultivation practices. KVK facilitated me to have a subsidized bore well. I became a beneficiary of their on-farm testing and frontline demonstration on kharif brinjal, INM in tomato, cauliflower like off season vegetables and IPM practices. Now as a whole I am earning a net income of Rs.1,15,000/- annually in place of Rs. 20,000/- . Within these two years, I have purchased a colour TV, a cellphone and recently a bike. Now I have an independent profession and as well as a good earning. I hope my poly house and vermi tank will bring me a lot profit which are under construction now. Thanks to KVK Deogarh who paved a way to my success.

Mr. Raghava Chandra Sahu

Village : Niktimal
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I have only one acre of land. It was difficult to lead a decent life for me and my family. Scientists of KVK influenced me to utilise the whole land through a small pond based farming system. I followed their advice and all of my family members put their effort to make it success. Now we have a small fish pond, around it dwarf papaya trees, a banaraja resting place over the pond. Adjacent to the bond of the pond I have established my small mushroom unit, with 3-4 kg of mushroom producing capacity. To engage me for the whole time, I have invested ten thousand rupees to start a shop of daily consumable items. I got a full time engagement in my pond based farming system and shop. Last year, my annual income was about twenty nine thousand rupees from the whole enterprise. My dream gradually is going towards success. I need not to go for outside wages any more.



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KVK POPULARIZED MUSHROOM CULTIVATION IN THE DISTRICT

Deogarh district is at the bottom line of economic growth among the 30 districts of Odisha. It is predominantly inhabited by the resource poor families (82%) with less than 2ha of land. The district has the least scope of establishment of industries, which leads to large scale migration of the farm families in search of better employment opportunities. Assessing the possibility of production of paddy straw mushroom and its market demand, KVK, Deogarh decided to promote paddy straw mushroom among tribal poor farm women for income generation. Accordingly, a series of interventions were taken up by KVK for popularization of mushroom cultivation. After getting knowledge through training, frontline demonstration and exposure visits, some of the SHGs were interested to start paddy straw mushroom under technical supervision of KVK, Deogarh. Now members of about 31 SHGs belonging to 18 villages have started this enterprise. Laxmi Bilash SHG of Kailash village started paddy straw mushroom cultivation with 100 beds two years back. Now they are taking it along with oyster mushroom cultivation round the year. KVK has declared it as mushroom village. The secretary of the SHG Ms. Sukumari Sahu is now a service provider to line departments and NGOs of the district for popularizing mushroom cultivation through out the district.



MINI-SPRINKLER GIVES DIVIDEND IN TOMATO FARMING

Tomato production during summer season gives more money to farmers. Realising the problem of water scarcity in Deogarh district, KVK popularised mini-sprinkler among small vegetable growers to cultivate tomato as an off-season vegetable. Under FLD programme the beneficiaries were given Annapurna hybrid tomato seeds, all the management practices for growing summer tomato were appraised through training. They were also trained on the skill of maintenance of mini sprinklers. The tomato harvested during in the month of May was sold at the rate of Rs. 40.00 per Kg. An average yield of 288 q/ha was obtained from FLD plots with a net profit of Rs.1, 40, 000 per hectare.



CONTROL OF FRUIT FLY IN WATERMELON

The melon fruit fly, *Bactrocera cucurbitae* damages about 30 to 70% and is a major pest of cucurbitaceous fruits and vegetables. In Deogarh district, its abundance increases when the temperature falls below 32°C, and the relative humidity ranges between 60 to 70%. It prefers to infest young, green, soft-skinned fruits and farmers use indiscriminate pesticides instead of taking a specific measure for control of the pest. Through the OFT programme during Rabi 2012-13 at village Suguda, Male Annihilation Technology (MAT) was practiced @ 10 blocks / ha using Cue lure just below the level of crop leaf canopy when the fruits start to develop. After the Male Annihilation Technology was taken, it was observed that the infestation reduced significantly and yield was increased to 335 q/ha over 220 q/ha in traditional practices.



CELEBRATION OF KISSAN DIWAS

Kissan Diwas was celebrated by KVK on 13.05.2013 in village Sadhupalli of Reamal block. A soil test campaign was also organised in the same event. Farmers were persuaded to go for green manuring by cultivating Dhanicha before paddy cropping. More than 50 farmers from Sadhupalli and its neighbouring villages, local public representatives along with reporters from electronic media were present during the occasion.



MANDATORY ACTIVITIES UNDERTAKEN BY KVK SINCE INCEPTION

Activities	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
OFT	3 (21)	10 (69)	9 (66)	8 (40)	14 (92)	18 (83)	16 (100)
FLD	8 (50)	22 (110)	18 (90)	16 (80)	23 (122)	23 (162)	20 (207)
Training	19 (444)	108 (2168)	54 (1200)	69 (1580)	97 (2185)	87 (1890)	77 (1725)
Other extn. activities	65 (2530)	115 (3472)	97 (2927)	247 (5325)	345 (3282)	373 (3432)	331 (9990)

Activities for the year 2013-14

Activities	Number	Beneficiaries
On farm testings	16	216
Frontline demonstrations	19	220
Trainings	73	1565
Extension activities	220	3100
Planting materials	50,000	-

