

Krishi Vigyan Kendra, Lanja-416 712

Dist: Ratnagiri, Maharashtra State

1. Background Information:

The Indian Council of Agricultural Research, New Delhi had sanctioned the Krishi Vigyan Kendra (KVK), Lanja (Ratnagiri) to Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth (Dr. DBSKKV), Dapoli Dist: Ratnagiri (MS) in the year June, 1983. Being a host organization, Dr. BSKKV, Dapoli (Ratnagiri) is providing administrative support and technology backstopping to KVK since last 29 years. The KVK, Lanja is fully functioned to conduct vocational training programs for self-employment of farmers and to demonstrate the flagship technologies in agricultural and allied sciences in Ratnagiri district of Maharashtra State.



Administrative Building of KVK, Lanja
(Ratnagiri)

The Ratnagiri district is consisting nine tahasils with total geographical area of 8.18 lakh ha. The major soil type of the district is laterite and alluvial, and having average annual rainfall of 3500 to 4000 mm. The Ratnagiri is dominated by small landholders and about 45.00 per cent of farm families are possessing 1 to 2 ha of operational land. The major crops grown are rice (*Oriza sativa*), finger millet (*Guizotia abyssinica*), small millets and niger (*Guizotia abyssinica*) during *Kharif* season and cow pea (*Vigna unguiculata*), red gram (*Cajanus cajan*), green gram (*Vigna radiata*), horse gram (*Macrotyloma uniflorum*) and dolichus bean (*Dolichus lablab*) in *Rabi* season. While in summer, groundnut (*Arachis hypogaea*) and some vegetables are grown

by farmers having irrigation facility. Further, the district is well known for horticultural crops such as mango (*Mangifera indica*), cashew (*Anacardium occidentale*), coconut (*Cocos nucifera*), areca nut (*Areca catechu*) and spices like black pepper (*Piper nigrum*), cinnamon (*Cinnamomum verum*), nut meg (*Myristica fragrans*). Dairy, poultry, goat rearing and fishery are the main pillars of secondary agriculture in the district.

2. Mandate:

Keeping this background in view, KVK, Lanja (Ratnagiri) is working in mission mode approach with following mandatory activities;

- 2.1 ‘Assessment, refinement and demonstration’ of flagship technologies in agriculture and allied sciences,
- 2.2 Capacity building of different stakeholders such as farmers, farm women, rural youths and extension personnel,
- 2.3 To work as “Knowledge and Resource Center” at district level for application of agricultural technologies in micro-farming situation, and
- 2.4 To conduct innovative extension activities for technology backstopping and knowledge management in agriculture.

3. Staff Position at KVK, Lanja (Ratnagiri)

The information related to staff position is shown in Table-1.

Table-1 Staff position at KVK, Lanja (Ratnagiri)

Sr. No.	Name	Designation with Field of Specialization	Contact Details
A.	Scientific Staff		
1.	Shri. S.S. Chavan	Programme Coordinator	Office- 02351-230361 Mob- 8551018310 Email: kvkratnagiri@rediffmail.com

2.	Mrs. G.A. Waikar	Subject Matter Specialist (Home Science)	Mob-9422365092 Email: gwaikar@gmail.com
3.	Shri M.M. Mahale	Subject Matter Specialist (Agronomy)	Mob-9028889244 Email: mahalemm@gmail.com
4.	Shri V.G. Yewale	Subject Matter Specialist (Fishery Science)	Mob-9764002846 Email: vaibhav_474@rediffmail.com
6.	Shri P.V. Jadhav	Subject Matter Specialist (Animal Husbandry and Dairy Science)	Mob-9422374343 Email: prashant_jadhav@yahoo.com
7.	Shri S.S. Patil	Subject Matter Specialist (Agricultural Extension)	Mob-8605941958 Email: sspatilextension@gmail.com
8.	Shri J.J.Dubale	Program Assistant (Farm Manager)	Mob-9423804573
9.	Shri F.B.Gavit	Program Assistant (Farm Manager)	Mob-9028425703
10	Shri V.V.Salvi	Program Assistant (Computer)	Mob-9403106383
B. Supporting Staff			
11	Shri S.S. Kadvekar	Assistant	Mob-8087236545
12	-	Stenographer	Vacant
13	Shri S.K. Gore	Driver	Mob-9028789270
14	Shri S.S. Pawar	Driver	Mob-9923352247
15	Shri S.T. Mohite	Animal Attendant Cum Peon	Mob-9028425702
16	Shri M.H.Wamkar	Mali Cum Peon	Mob-8087928920

4. Status of Infrastructure Available

Crop Demonstration Farm	Azolla Unit
Exhibition Gallery	Nursery of plantation crop
Soil Testing Laboratory	Poultry Unit
Library	Dairy Unit
e- Connectivity	Vermicompost Unit
Training Hall	Ornamental Fish Unit

5. Memorable Event (2011-12) at KVK, Lanja (Ratnagiri)

Visit of Dr. K.E. Lawande, Hon'ble Vice-Chancellor, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli to KVK, Lanja Dist: Ratnagiri

Dr. K.E. Lawande, Hon'ble Vice-Chancellor, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli had visited to the Krishi Vigyan Kendra, Lanja (Ratnagiri) on 29 December, 2011. The interface meeting was organized under the Chairmanship of Hon'ble Vice-Chancellor and he has guided the scientists on technology application and agricultural knowledge management for increasing productivity of various crops and ultimately enhancing the income status of the farmers.



Interaction of Hon'ble Vice-Chancellor
Dr. K.E. Lawande with KVK Scientists



Hon'ble Vice-Chancellor Dr. K.E. Lawande
Visited Exhibition Gallery at KVK

6. Activities of KVK, Lanja (Ratnagiri)

6.1 National Initiatives on Climate Resilient Agriculture (NICRA)

The ICAR funded innovative project 'National Initiatives on Climate Resilient Agriculture (NICRA)' is being implemented by 100 KVKs across the country. Under this innovative project, KVK, lanja (Ratnagiri) had selected two villages namely Haral and Raipatan in Rajapur Tahasil. The different demonstrations were carried out in above mentioned NICRA villages. The details of the same for the 2011-12 and 2012-13 are given below in brief.

Promotion of goat breed-'Konkan Kanyal': Two goat units (10+2) were established.

Groundnut (variety-'Kokan Tapora') seed production activity was under taken on 4.00 ha area.

Promotion of Green Fodder (Gajraj) in two villages for increasing milk production.

Preparation of *Konkan Jalkund* for protective irrigation of newly planted mango and cashew grafts.

High Density Plantation of mango-*Mangifera Indica* (Variety-Alphonso+Keshar) to respond changing climatic situation.

Use of Pachlabutrazol in mango for ensuring flowering in Alphonso.



Demonstration of Konkan Jalkund for Protective Irrigation



High Density Mango Plantation

6.2 Transfer of Integrated Crop Management Technologies Developed by Dr. BSKKV, Dapoli Under Rashtria Krishi Vikas Yojana (RKVY)

To achieve 4 per cent growth rate in agriculture, Rashtria Krishi Vikas Yojana (RKVY) is commenced by Ministry of Agriculture, GoI. Under RKVY project entitled ‘Transfer of Integrated Crop Management Technologies Developed by Dr. BSKKV, Dapoli’ is being implemented by KVK, Lanja (Ratnagiri) in 20 villages in jurisdiction. Under this project, different extension activities like trainings, demonstrations, study tours and distribution of university publications were carried out. The demonstration of different crops such as cow pea (*Vigna unguiculata*), horse gram (*Macrotyloma uniflorum*),

dolichus bean (*Dolichus lablab*), rice (*Oriza sativa*), finger millet (*Guizotia abyssinica*) and groundnut (*Arachis hypogaea*) was carried out on 35 ha area and which is benefited to nearly 300 farmers in the selected villages. These activities were carried out in *Rabi-2011-12* and *Kharif-2012*.



Demonstrations of Cow Pea under RKVY Project



Demonstration of Dolichus Bean under RKVY Project



Rice Demonstrations under RKVY Project



Farmers Educational Tour under RKVY

Farmers Educational Tour under RKVY

6.3 An innovative extension approach for dissemination of technology

:Farmer-Scientist Forum

In order to establish regular dialogue between scientists and farmers, the innovative extension approach was emerged out through “Farmer Scientist Forum”. The forum was established at KVK, Lanja (Ratnagiri) in the year 2008 with 40 farmers as members of the forum. There is monthly interface meeting of the farmers with scientists of KVK for discussing different issues. It is mandatory to provide on spot scientific information to the farmers as per their demand. The scientists are also organizing need based extension activities such as trainings, demonstrations, field visits, study tour etc for increasing productivity and income of member farmers. Up till now, 60 meetings of Farmer-Scientist Forum were organized on farmer’s field.



Dialogue of Farmer's with Scientists



Demonstration of Rice Transplanter during Farmer-Scientist Forum Meeting at KVK Farm (Kharif -2012)

6.4 Convergence of KVK- with Agricultural Technology Management Agency (ATMA)

The KVK, Lanja (Ratnagiri) had established convergence with ATMA to carry out different extension programs in the Ratnagiri district. The KVK has organized farmer's rallies, group dynamics, training programs, educational tour and also organized demonstration of various crops, livestock rearing, poultry and goat rearing. The ATMA has sanctioned Rs 2.23 lakh during 2011-12 for organizing the extension activities.



Training for Farm Women (2011-12)



Poultry Demonstration Unit at KVK, Lanja



Visit of Rural Youth to Azolla Demonstration Unit (2011-12)

6.5 Integrated Watershed Management Programme (IWMP)

Yashwantrao Chavan Academy of Development Administration has identified the KVK, Lanja (Ratnagiri) as District Resource Organization (DRO) for capacity building of watershed development personnel working in Ratnagiri district. In this context, KVK, Lanja had organized different trainings programs on IWMP orientation, detailed project

report, livelihood opportunities, Participatory Rural Appraisal (PRA), and programme planning and implementation for agricultural experts, livelihood experts, agricultural assistant and supervisor.



Participants conducting PRA during IWMP Training Program (2011-12)



Social and Natural Resource Map Drawn during PRA (2011-12)