

Krishi Vigyan Kendra, Roha

Dist: Raigad (Maharashtra)

Background Information

The Indian Council of Agricultural Research, New Delhi had sanctioned Krishi Vigyan Kendra (KVK), Roha (Raigad) to Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth (Dr. DBSKKV), Dapoli vide Sanction Order No. 9(1)2002-AE-I Dt. Feb.5-2004 . Being a host organization, Dr. BSKKV, Dapoli is providing administrative support and technology backstopping to KVK since last 8 years. The KVK, Roha is fully functioned to conduct vocational training programs for self-employment of peoples and to demonstrate the flagship technologies in agricultural and allied sciences in Raigad district.



Administrative Building of KVK, Raigad (Maharashtra)

General census:

Konkan region of Maharashtra comprises of five districts viz. Sindhudurg, Ratnagiri, Raigad, Thane and Greater Mumbai. The Greater Mumbai region is considered as a developed metropolitan city of the world and the Krishi Vigyan Kendra is located about 7 km away from Konkan railway (Mumbai- Mangalore) route and 5 km away from National Highway No.17 (Mumbai -Goa). Based on the soil type and climate, the Konkan region is divided into two zones namely, South Konkan Coastal Zone and North Konkan Coastal Zone and Krishi Vigyan Kendra, Roha comes under North Konkan Coastal Zone. The weather of this region is hot and humid with temperature ranging from 15.60 °C to 43.0 °C. The annual rainfall varies from 2000 to 3000 mm.

The district is consisting 15 Talukas with the geographical area of Raigad district is about 6,87,000 ha of which gross cropped area is 2,17,000 ha (31.57 %) and net sown area is 1,89,000 ha (27.51 %) with total irrigated area of 14,000 ha (7.41 %). Double-cropped area is 23,000 ha. with cropping intensity of 114.81 per cent. total geographical area of 8.18 lakh hectares. The major crops grown are Rice, Finger Millets, Small Millets during *Kharif* season and Cow pea, Red Gram, Green Gram, Horse Gram and Dolichus Bean in *Rabi* season. While in summer, groundnut and some vegetables are grown by irrigated farmers. Further, in district horticultural crops such as Mango, Cashew, Coconut, Areca Nut are grown . Dairy, Poultry, Goat Rearing and fishery are the main pillars of secondary agriculture in the district.

Mandate

Keeping this background in view, KVK, Roha is working in mission mode approach with following mandatory activities;

- ‘Technology Assessment, Refinement and Demonstration’ of Flagship Technologies in Agriculture and Allied Sciences,
- Capacity Building of different Stakeholders such as Farmers, Farm Women, Rural Youths and Extension Personnel,
- To work as “Knowledge and Resource Center” at District Level for Application of Agricultural Technologies in micro-farming situation, and

- To conduct innovative Extension Activities for Technology Backstopping and Knowledge Management in Agriculture.

Staff Position in KVK

Sr. No.	Name of the incumbent	Designation	Discipline	Date of joining	Mobile No.
1	Dr. M. S. Talathi	Programme Coordinator	Agronomy	16.4.08	9421136032
2	Shri. J. S. Arekar	Subject Matter Specialist	Plant Pathology	04.1.08	9422101744
3	Shri. M. J. Gitte	Subject Matter Specialist	Fisheries	15.2.08	9420330763
4	Shri. P. M. Mandavkar	Subject Matter Specialist	Extn. Edn.	16.4.08	9421238552
5	Dr. R. G. Manjarekar	Subject Matter Specialist	Horticulture	11.6.08	9422089636
6	Shri. S. J. Padhye	Subject Matter Specialist	Agril. Engineering	17.2.09	9422089694
7	Dr. A. A. Hanmante	Subject Matter Specialist	Animal Husbandry & Dairy Sci.	18.2.09	9422101309
8	Shri. S.S. Karle	Programmer Assistant	Soil Science	20.7.12	7020121360
9	Smt. P. P. Sawant	Computer Programmer	Computer	13.2.09	9422095811
10	Shri. P. T. Yalmar	Farm Manager	Horticulture	07.1.08	9422095611
11	Shri. S. D. Padye	Office Supt-cum Accountant	-	14.1.08	9422094485
12	Smt. V. R. Rewale	Steno-Typist	-	07.06.10	9422101311
13	Shri. B. B. Patil	Driver	-	05.1.08	9422101477

14	Shri. S. N. Jadhav	Driver	-	08.1.08	9260675082
15	Shri. S. S. Mhadlekar	Peon cum Mali	-	16.12.08	9923528533
16	Shri. K. J. Tambe	Peon cum Animal Attendant	-	16.12.08	9545243506

State of Art Infrastructure Available

• Crop Demonstration Farm	• Goat Unit
• Exhibition Gallery	• Nursery
• Soil Testing Laboratory	• Poultry Unit
• Library	• Ornamental Fish Unit
• Training Hall	• Vermicompost Unit

Major activities undertaken:

Since beginning of this KVK, a socio-economic survey was conducted looking to geographical, economical status, cropping pattern, livestock population and training needs of the farmers. KVK had completed numerous agricultural development programme with great success and has brought joy in the families of farmers by helping them to boost up their production through adoption of improved farm methods. Training, demonstrations, supply of improved variety seeds, and planting materials, field days, group discussion, exposure visits, exhibitions, farmers rallies, broad casting of new technologies on All India Radio, Film/ video shows are the tools explored by this KVK to achieve this splendid task of uplifting farmers in general and tribal in particular. Some of the important activities were as under.

- 1) Mega tree plantation programme
- 2) Technological week

- 3) Ex-trainee samellan
- 4) Competition on Rice, Nagali, Vari and coconut product
- 5) Animal health camp
- 6) Soil and water conservation programme
- 7) Seed treatment campaign
- 8) Amervel eradication awareness programme
- 9) Awareness programme on Monsoon fishing ban
- 10) Seed production programme
- 11) Awareness programme on climate changes and its mitigation



Mega tree plantation



Ex trainee Sammelan

Major accomplishments and impact :

- a) Large scale adoption improved and hybrid varieties of rice release by Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli, Dist.Ratnagiri, (M.S.)
- b) Large scale adoption of Giriraja poultry bird as a substitute to local bird in poultry.
- c) Adoption of mechanization in farming system.
- d) Adoption of integrated farming system approach.
- e) Established fruit processing industry in mango canning and cashew processing.
- f) Establishment of Two seed production Sangh viz **Rajanala Bijotptadan Sangh,Vadap, Karjat** Tahasil.and **Durgamata Bijotptadan Sangh, Pali** Tahasil
- g) Adoption of composite fish culture.
- h) Group organization (Established Farmers Club)

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

Rashtria Krishi Vikas Yojana (RKVY) is started by Ministry of Agriculture, Government of India to achieve 4 % growth rate in agriculture,. Under the RKVY project entitled Transfer of Integrated Crop Management Technologies Developed by Dr. BSKKV, Dapoli is being implemented by KVK. Area under jurisdiction. Under the project different extension activities such as trainings, demonstrations, study tours and distribution of university publications are done. The demonstration of different crops such as Rice, and groundnut was carried out on 25 ha area and which is benefited to nearly 345 farmers in the selected villages.



**Farmers Rally on Transfer of Technology in Rice
*under RKVY (15 ha)***

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 3 forum was established in the year 2008 with 25 farmers and farm women as a member at Roha, Mahad and Indapur under the guidance of KVK, Roha. The farmers and scientist of KVK meet once in month for discussing different issues. The scientist are providing information, technology, and also organizing need based extension activities such as trainings, demonstrations, field visits, study tour etc for increasing productivity and income of member farmers. At present near about 45 meetings of Farmer-Scientist Forum was carried out at various locations in the district.

Agricultural Technology Management Agency (ATMA)-KVK Convergence

The KVK, Roha established strong convergence with ATMA to carry out different extension programs in the district. The KVK has been organized farmers melawa, group dynamics, training programs, study tour and demonstration on different crops, livestock rearing, poultry and goat rearing. The ATMA has sanctioned Rs 5.25 lakh for the extension activities.

Integrated Watershed Management Programme (IWMP)

Yashwantrao Chavan Academy of Development Administration has identified the KVK, Lanja as District Resource Organization (DRO) for capacity building of watershed development personnel working in Raigad district. In a view, KVK, Roha has organized different trainings programs on IWMP orientation, detailed project plan, livelihood opportunities, Participatory Research Appraisal, and programme planning and implementation for agricultural experts, livelihood experts, agricultural assistant and supervisor.

Special Programme Adhoc project :

List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

Name of the Programme/Project	Activities
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Rashtriya Krishi Vikas Yojana (RKVY)- Transfer of integrated crop management technology	Cluster crop demonstrations, Training Farmers rally , Farmers study tour
Rashtriya Krishi Vikas Yojana (RKVY)- Village Seed Production	Seed Production Rice & Groundnut
ATMA,Roha	Farmers rally, training
Crop-sap, Roha,Raigad	Diagnostic visits
Integrated Watershed Management Programme (IWMP),Watershed Management Centre, YASHADA,,Pune	Training for Watershed Committee Members, WDT, PIA, PTO under IWMP
Farmers Club Programme, NABARD, Pune	Training programme /workshop for Farmers Club Coordinators/member
Adoption of vertical conveyor reaper sponsored by NABARD	Demonstration, Group Discussion, Trainings

Visit of Hon'ble Vice-Chancellor, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli to KVK, Roha

Dr. K.E. Lawande, Hon'ble Vice-Chancellor, Dr. Balasaheb Sawant Konkan Krishi Vidyapeeth, Dapoli has visited to the Krishi Vigyan Kendra, Roha . The Hon'ble Vice-Chancellor has interacted with KVK scientists and guided them on technology application and agricultural knowledge management for increasing crop productivity and income generation of farmers.



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