

Proceedings of the 14thScientific Advisory Committee Meeting of KVK, Boudh

The 14thscientific advisory committee meeting of KVK, Boudh was held at 10.30 AM on Dt. 29.12.2017 at KVK training hall under the chairmanship of Prof. Pravat Kumar Roul, Dean Extension Education, OUAT, Bhubaneswar. The District Magistrate Sri Madhusudan Mishra, IAS, of Boudh participated in the SAC meeting as Chief Guest. Members present in the meeting are annexed herewith. Dr. Sutanu Kumar Satapathy, Sr. Scientist & Head, Boudh made a brief welcome to the Hon'ble Members and requested the dignitaries to inaugurate the meeting by lightening the lamp and requested the Chairman to conduct the meeting.

After a brief introductory remark, the Chairman asked the Sr. Scientist & Head to start the proceedings as per the agenda.

Agenda-1 Approval of the proceedings of last SAC meeting.

The Sr. Scientist & Head briefly presented the proceedings of the last SAC meeting. The chairman taking the consent of the members approved the proceedings.

Agenda-2 Action taken on the proceedings of last SAC meeting.

The Sr. Scientist & Head presented the following action taken report on the recommendations of last SAC meeting having relevance to Kharif season.

13th Scientific Advisory Committee Meeting held on 07.12.2016

Recommendations/Suggestions	Action Taken
Popularization of variety released by OUAT & ICAR institute in odisha.	Hybrid paddy var. Rajalaxmi & Ajay & HYV. Vandhana, Heera, Jogesh release from ICAR and OUAT are popularized through FLD & OFT.
Assessment of recently released (not more than 10 years) variety of crop.	Practiced the crop and technology not more than 10 years
Conducting more no of scientist visit to farmers field and diagnostic visit.	Regular visit of farmers to KVK and KVK Scientist to farmer's field through FLD, OFT & Other line dept. Official programmes.
Extending KVK activities to all blocks.	KVK activities are widely covering to 3 blocks with limited to Kantamal blocks
Linkage & convergence among all line dept.	<ul style="list-style-type: none"> ➤ RE meeting is being conducted in 3rd Tuesday of each month involving all the line departments, bankers, NGOs to develop 5 modules villages through convergence. ➤ KVK scientists are sharing latest tech. knowledge in workshop being organized by state line departments.

	<ul style="list-style-type: none"> ➤ Monitoring of BGREI, ATMA, NFSM, NHM, Nursery verification activities in collaboration with the dept. of agriculture. And horticulture, Boudh. ➤ KVK scientists are participating as resource person to various developmental programmes of state line department and NGOs. ➤ Celebration of World Soil Day, PMFBY and farmers fair in association with line dept. and allied sectors.
Demonstration on Technologies for banana, hybrid vegetable and oil palm cultivation.	<ul style="list-style-type: none"> ➤ Demonstration technology on Banana and hybrid vegetable has been accomplished through FLD & OFT. However regarding Oil palm cultivation only technical knowledge to impart to farming community.
Providing technical support and Facilitation for formation of farmers club	<ul style="list-style-type: none"> ➤ Technical support imparted to farmer club through meeting, discussion, field visit & critical input distribution as and when required. ➤ Farmers club formation facilitated through KVK to NABARD & Lead Bank.
Developing suitable cropping system for targeting rice fallow in Bouh district.	<ul style="list-style-type: none"> ➤ Regarding Suitable cropping system in rice fallow farmers are advised through training, meeting & existing farmer led activities.
Evaluation of cold resistant of greengram	<ul style="list-style-type: none"> ➤ TARM-1, IPM 2-03 & other local varieties has been practiced as a cold resistant variety.
KVK-ATMA Convergence	<ul style="list-style-type: none"> ➤ Linkage & convergence among all line dept. has been successfully accomplished through various programmes like ATMA, NHM, MIDH, State plan, RE Meeting, Sponsored programme etc.
Evaluation of drought resistant paddy variety	<ul style="list-style-type: none"> ➤ Sahabhidhan, Jogesh, Vandana, Siddhant, Hira varieties are taken through FLD & OFT programmes.
Popularization of alternate crop in drought prone area.	Horse gram, Chickpea, Tuber crops are practiced in drought prone areas
Crop diversification in rainfed upland	Diversification of paddy to non paddy crop through training and CFLD programmes.
Popularization of use of bio fertilizer, vermicopost & neem cake and Creation of awareness among farmers for INM.	Popularization of bio fertilizer, vermicopost & neem cake has been practiced through FLD, OFT & Training and Creation of awareness among farmers for INM has been accomplished through FLD, OFT & Training.
Conducting vocational training for unemployed rural youth and Encouragement	Vocational training on Honey bee, Mushroom, Vermicomposting, Value addition done at regular intervals.

for participation of women in agriculture.	
Vaccination & supply of chicks to farmers	About 800 numbers of chicks supplied to farmers at regular intervals.
Documentation of success stories of awardees farmer.	Documented four numbers of success story and vetted to DEE,OUAT.
GPS based soil sample have been collected from CFLD plot for soil testing	150 numbers of soil samples was tested involving 435 beneficiaries and soil health cards have been distributed under CFLD programme.

Agenda- 3 Achievements made during: 2016-17

The Senior Scientist and Head of KVK, Dr. S.K.Satapathy presented the overall achievements made by the KVK during the year 2016-17 and Kharif 2017 including mass dissemination by KMA, Voice message, message in newspaper etc.

On-Farm Testing:

Nine numbers of OFTs have been assessed during 2016-17 involving 85 farmers in farmer's field based on problem of farmers. Some of Salient achievements of the OFTs are discussed.

- Assessment of Herbicide application in Onion.
Pre-emergence application of Pendimethalin @ 2.5 lit/ha at 2-3 DAT reduced weed infestation & increased yield by 12.3 % than Farmers Practice and also more effective than application of Targa super.
- Assessment of IPM modules for Thrips in chilli.
Blue sticky trap (20 traps/ha) + alternate spray of Acephate 95 SG @ 75gm ai/ha and neemoil 0.15 % @ 1lit/ha reduced infestation upto 21.6 % than Blue sticky trap (20 traps/ha) + alternate spray of acetamiprid 20 SP @ 125 gm/ha and neem oil 0.15 % @1lit/ha. and farmers practice.
- Assessment of IPM modules for Shoot and fruit borer damage in Brinjal .
Regular clipping of wilted twigs+ pheromone trap (20 traps/ha)+ alternate spray of neem oil 0.15 % @ 1 lit/ha and spinosad 45 SC @ 150ml/ ha. increased yield by 27.4 % than Pheromone trap @ 20 traps/ha+ alternate spray of neem oil 0.15 % @ 1lit/ha and flubendamide 39.35 SC @ 200 ml/ha. and farmers practice.
- Assessment of Hybrid Paddy varieties in irrigated condition.

Two Hy. Rajalaxmi and Ajoy was assessed and gave average yield 59.1 q/ha than farmer practice var. swarna and also found 23 numbers of effective tillers per hill. than application of RDF NPK @ 120:60:60 kg/ha and farmers practice.

- Assessment of nutrient management in hybrid rice.

Application of RDF NPK @ 120:60:60 kg/ha + ZnSO₄ @ of 25 kg/ha gave yield 52 q/ha than the farmers practice.

- Assessment of INM practices in Maize.

Application of 75% of RDF with Azotobacter, Azospirillum 1:1:1 @ 3 kg/ha was given highest yield 45 q/ha than farmers practice

- Assessment of Onion verities in Kharif Season.

Two varieties Bhima Super and Bhima Dark Red was assessed and gave average yield of 195.0 q/ha and average bulb weight 175.0 g. over farmer practice var. Agrifound Dark Red.

Front Line Demonstration:

K.V.K has conducted 8 Nos. of frontline demonstrations in: 2016-17. Salient achievement of some FLDs are given below.

1. Seedling root dip treatment (Carbendazim 20 gm + Streptocyclin 1 gm in 10 lit) and soil application of *T.viridae* and *P. fluroscence* each @ 5 kg/ ha with FYM at 21 days of transplanting brinjal resulted 25.2 % higher yield than local check.
2. Application of FYM = 20 ton /ha, soil application of Borax @ 10 kg /ha along with RDF NPK @200:100:100 kg /ha in watermelon resulted 16.1 % higher yield than the local check.
3. Cultivation of paddy Variety Sahabragi dhan ,with NPK 60:30:30 kg/ha resulted 17.5 % higher yield than the var.Khandagiri.
4. Use of pheromone trap @ 20 trap/ha and alternate spraying of BT 1 kg/ha and Cypermethrin 25 EC 500 ml/ha in watermelon reduced *Spodoptera* infestation & increased yield by 19.8% than local check.
5. Soil application of Azotobacter & PSB each @ 5 kg/ha,75 % of RDF & foliar application of multi micronutrient @2 ml/lt in tomato increased yield by 23.8 % than local check.
6. Application of 110:40:60:40 kg NPKS + Azospirillum & PSB each @ 5 kg/ha in onion resulted 24.3 % higher yield than local check.

FLD on oilseed and pulses

1. Cultivation of high yielding Groundnut variety *Kaderi-6* with integrated nutrient, weed and pest management practices resulted 27.2 % higher yield than the local check.
2. Demonstration on Improved Mustard Cultivation Variety M-27 with NPK @ 30:20:15kg/ha resulted 21.2 % higher yield than the local check.
3. Cultivation of high yielding of Pigeon pea var. LRG-41 with ICM practices recorded 23.3 % higher yield than local check.
4. Cultivation of Greengram var. TARM-1 with ICM practices resulted 30.75 % higher yield than local check.

Training

KVK conducted 24 nos. farmer & farmwomen, 9 nos. of rural youth and 3 nos. in-service, 2 no. of vocational training programme and covered 600 farmers & farmwomen, 135 rural youths, 45 extension personnel's and 25 nos. of unemployed youth respectively with recent advances on agricultural & allied technologies.

Other Extension Activities:

KVK has conducted 4 field days, 27 film shows, 2 newsletters & 7 nos of leaflets, 5 no. of exhibition, 3 nos. of farmers fair, 2 no. of exposure visit. KVK produced 722700 Nos. of quality seedlings of vegetables and 0.7 qt of seeds, 146 no. of fruit sapling, 0.9 qt of planting materials.

Agenda 4 Action Plan for Rabi: 2017-18

The Senior Scientist presented the detailed action plan for Rabi 2016-17. This includes 8 OFTs, 9 FLDs including oilseed and pulse crops and 45 nos of trainings covering 950 farmers, farmwomen, rural youth and extension functionaries.

During the SAC, six numbers of publications in vernacular were released by the dignitaries for the benefit of the farming community. The important publications were soil health management, Scientific cultivation of Banana and papaya, IPM in important oilseed crops and their management etc.

The members interacted among themselves and following action points were suggested.

- Record key parameters in slides for better understanding for OFT & FLD.
- Farmer's database shall be updated under KMAS.
- 60 Nos. of training shall be conducted annually.

- Herbicide Targa super shall be included in OFT and also new kharif onion varieties introduced in the farming community.
- One day old chicks distributed to the experienced farmers for backyard poultry.
- Linkage of farmers to district level hatchery at Boudh
- Sufficient amount of eggs for hatchery to be brought for district for making availability to the farmers 2-3 times in a year. Dr. Nrusingha Behera, OIC,Poultry farm, OUAT, Bhubaneswar shall be contacted for the diversion of the eggs to the district.
- Triple resistant IIHR varieties of tomato must introduce.
- BPH tolerant Rice variety Hasanta and Integrated management of WBPH and BPH in paddy should be in OFT.
- IPM modules for Shoot and fruit borer in Brinjal.
- Veterinary scientist to be required who shall take up for both the fishery & veterinary.
- Sufficient numbers of rainbow rooster & chabra breed of poultry to be increased in the district.
- Lead focus shall be considered towards horticulture & veterinary.
- Industry shall be taken up for oil palm & Lemon grass based on processing method.
- Demonstration to be conducted regarding oil palm.
- Trainings regarding high value cash crops like Banana, Kharif Onion etc. to be taken by NHRDF & KVK.
- Area under Oilseed & Pulses to be increased.
- First phase grower trainings for farmers on Lemon grass oil extraction and Oil palm processing technology to be conducted.
- Importance to be given on local oil extraction unit. A unit per hectare shall be approved.
- Emphasis shall be given to traditional variety of Boudh district & to be added to the seed chain for production.
- Use of bio-fertilizer, bio-pesticides, organic farming, NADEF or vermin composting should be given importance.

- Upland of Boudh district to be utilized in efficient manner by including short duration varieties of crops, vegetable cultivation through crop diversification.
- Awareness regarding major pest attack in crops. It is to be informed earlier for better pest management.
- Emphasis to be given for soil testing and more number of soil samples shall be tested.
- Seed treatment shall be important for efficient management of the pest.
- Market linkage for vegetables and other cash crops shall be strengthening.
- Training regarding important crops shall be given emphasis.
- Proper documentation of success story of farmers.
- Awareness on blanching prevention to be considered which is harmful to our eco system.
- Rice fallow to be covered maximum extend of 68 %.
- Demonstration on soil testing shall be considered at farmer's field.
- Trial on bio-fertilizer effect for significant result to be taken up.
- Trial on weed management to be considered in the district.
- Traditional Moong (Green gram) variety to be planted in three methods (Line sowing, Seed rate to be increased, planting in residual moisture)
- Bund plantation of Arhar (Pigeon pea) to be followed in the Boudh district.
- Line sowing of paddy for preventing BPH attack.
- Popularization of biological decomposition of paddy straw after harvest. *Trichoderma T.viridae* to be incorporated and prevent residue burning.
- Rural Youth should be involved in technology transfer in training.

The Chairman appreciated in his presidential remarks stated that convergences of all line departments with KVK are doing betterment of the farming community. The meeting was ended at 2.30 pm with vote of thanks by Mr. A.B.Das, SMS (Agril.Extn).

Sd/-

Sr. Scientist & Head
KVK, Boudh

Annexure: I

List of participants present in the Rabi 14th SAC meeting with their address and status in the meeting.

Sl. No	Name	Designation &Address	Status
1	Prof.P.K.Roul	Dean, Extension Education,OUAT,BBSR	Chairing
2	Sri Madhusudan Mishra	Collector cum District Magistrate	Special Invitee
3	Dr. K.S. Das	Principal Scientist, ATARI, Kolkata	Special Invitee
4	Sri Manaranjan Mallick	DDA, Boudh	Member
5	Sri Bhabani Sankar Mohapatra	DAO, Boudh	Member
6	Sri Suryamani Maharana	ADH,Boudh	Member
7	Sri Raghava Mallick	PD, Watershed	Member
8	Sri Biraja Prasad Divedi	DFO, Boudh	Member
9	Dr. Debraj Behera	ADVO, Boudh	Member
10	Sri Ajit Patra	STO,NHRDF	Invitee
11	Sri Jibanjit Sen	I/C Sr.Scientist & Head, KVK, Sonepur	Invitee
12	Sri Suresh B. Dagade	Deputy Director, NHRDF, Boudh	Invitee
13	Sri Rajendra Prasad Sahoo	AFO (H.Q) , Boudh	Invitee
14	Sri Bruswambar Pradhan	AFO, Boudh	Invitee
15	Sri Hadibandhu Mahakud	Secretary, RMC, Boudh	Invitee
16	Sri Nirmala Ku. Sahoo	Secretary, PSS,Telibandh, Boudh	Invitee
17	Sri Susil Ku. Pradhan	Project Organizer, SYSS,Boudh	Invitee
18	Smt. Ritanjali Naik	Progressive Farm Women	Member
19	Smt. Gurubari Sahoo	Progressive Farm Women	Member
20	Smt. Sobharani Bhoi	Progressive Farm Women	Member
21	Smt. Sasmita Pradhan	Progressive Farm Women	Member
22	Dr. Sutanu Kumar Satapathy	Sr.Scientist & Head, KVK,Boudh	Convener

PHOTOGRAPHS OF 14TH SAC MEETING OF KVK, BOUDH



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