

**PROCEEDINGS OF 16th SCIENTIFIC ADVISORY COMMITTEE MEETING OF KVK,
NUAPADA**

The 16th Scientific Advisory Committee meeting of KVK, Nuapada was held on 30.12.2020 at 10:30 am in the training hall of KVK under the Chairmanship of Dr.P.J.Mishra, Joint Director, Dean Extension Education, OUAT Bhubaneswar and Chief guest as Dr.K.S.Das Principal Scientist ICAR ATARI, Kolkata. Senior Scientist & Head welcomed all the members and requested the Chairman to inaugurate the meeting. After a brief remark about the activities of KVK and its importance, Chairman asked the Senior Scientist & Head to start the meeting as per agenda.

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

The proceeding of the last SAC meeting was presented by Senior Scientist and Head, KVK, Nuapada. As there were, no modifications & objections reported by any members, the Chairman took the consent of all members and approved the proceedings.

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

Sl. No.	Salient recommendation	Action taken
1	Action plan to focus on climate resilient agriculture practices	<p>*Climate resilient practices like soil moisture conservation drought resistant paddy, water efficient crops and demonstration units on Poultry, Goatery, Azolla, Carp breeding,, drip irrigation system in 1.0 acre area at KVK Campus by NAFCC</p> <p>*6 no of sponsored training programme conducted for F/FW through NAFCC ,No of F/FW Participated: 150</p> <p>*Promotion ofPusa hydrogel and sub-surface irrigation through PVC pipe.</p> <p>No of farmers involved: 40, Village: Boibhadi, Area covered: 10 acre, Crops planted: 600 plants of Guava, Apple- Ber, Mango, Custard apple, bamboo and teak.</p>
2	Nutritional security through different activities of income generating enterprises.	<p>*ASCI training for rural youth on “mushroom cultivation” for 200hrs.No of trainees: 20,</p> <p>*ASCI training for rural youth on “small poultry farmers” for 240 hrs ,No of trainees: 20</p> <p>*FLDs on Protein rich rice varieties CR Dhan -310 and Ragi Var.- Arjun</p>
3	Small scale adoption to check	*Training and demonstration on mushroom cultivation, backyard poultry and duck rearing,No of F/FW

	labour migration	involved: Male: 3 Female: 61, Village: Birighat, Amodi,&Chuhuri *Four no of SHGs promoted for commercial nursery raising,No of SHGs involved: 12,Village: Bhaleswar, Beltukari, Bisora, Parkot, Kuliabandha, Biromal, Kodomeri, Darlimunda&Sahipala
4	Demonstration of suitable agro forestry models	*Agro-forestry model at village Boirbhadi with fruit plants like guava, apple ber, custard apple, bamboo, teak etc. No of farmers involved: 40, Village: Boibhadi, Area covered: 10 acre, Crops planted: 600 plants of Guava, Apple ber, Mango, Custard apple bamboo and teak.
5	Farm pond development in adopted villages through convergence with line departments	*Seven farm ponds developed by water shed department in adopted village (Amodi, Chuhuri, Bharuamunda, Dhangsar&Palsapada)
6	Value addition of millets for economical benefits of farmers	* Value addition of millets like ragi powder, Kodorice, gurjirice and cakes has been promoted to Ukal Laxmi SHG of Sialati village (15nos.). *Under Mission Shakti, Department of Agriculture & KVK are jointly involved in promotion of ragi cleaner, destoner etc. which are being provided to the farmers,No. of primary processing units installed: 8 *FLD on blast management in ragi& varietal trial, No of F/FW involved: 27, Male: 21 Female: 6, SC: 2 ST: 6 OTH: 15, Area covered: 5.0ha
7	OFT on local strains /microbes	Trichoderma viridae has been isolated and it will be introduced at farmers field after mass multiplication for wilt management in pulses, vegetables etc. Trichoderma asperellum has been collected from IARI, New Delhi by Dr. Nirakar Ransingh, Asso. Professor, CA, Bhawanipatna and tried in blackgram and shows highly efficient in wilt management.
8	IFS model to be	*Name of farmer: Mayadhar Rana, Area of IFS: 1.0ha, Village: Pipalchandi. The farmer mainly involved in

	demonstrated	fresh water prawn cultivation, vegetable cultivation along with scented paddy.
9	Crop diversification in upland areas	*Crop like blackgram, greengram, ragi, arhar, groundnut & maize taken up in crop diversification programme .Area crop wise:G.N- 60ha,Blackgram: 30 ha, Pigeonpea: 30 ha, greengram: 10ha, Maize: 20ha
10	Fodder cultivation to be popularised	*Perennial fodder cultivation like Hyhrud napier & CO 4, 5 are taken up in 35 ac area in Nuapada district, No of F/FW involved: 80,Area: 35.0 acre,Village: Dharambandha, Lanjimal. Khairani etc.
11	Convergence among line departments	Every month, Research –Extension linkage meeting were conducted at KVK, where all the line department officials participate in the programme, review the convergence activities of the preceding month and plan for the upcoming month
12	Reach to the farmers of the forest areas	Through KMA outreach increased from 15000 to 27500 farmers, by WhatsApp number has gone up from 840 to 7790, direct contact reached up to 4340 number of farmers.
13	Local needs of the farmers to be met by KVK and line departments	Local needs of the farmers are met by KVK, line departments involving the NGOs too, where grass root problems are being taken up.

Agenda -3: Achievement of KVK during 2019-2020

The Senior Scientist & Head presented the overall achievement made by the KVK during the period of April 2019 to March 2020.

- i. **Training:** - KVK has conducted 61no.s of Farmers & Farm women training, 11no.s Rural youth trainings and 11Inservice personnel training. Besides this 2 no. of sponsored training had been conducted in various topics like CSISA and pump technician. Two no's of ASCI training had been conducted on mushroom growers and mango growers.
- ii. **OFT:-** There were 11nos of OFT had been conducted. The OFT conducted were BPH management in rice, fall army worm mgt. in maize, finger millet varieties assessment, low cost cage culture, backyard poultry breed assessment, mgt. of root knotnematode infestation in rice, value addition in tomato etc.

*Onion variety Arkaniketan and Arkapragati gives higher yield 320Qtl. Per haq. & 345 Qtl. Per haq. as compared to AFLR 268 Qtl. Per haq.

*Seed treatment with 2% brine solution and spring with hexaconazole @ 0.1% followed by pyraclostrobin 0.15% during PI stage reduces false smut in paddy and increases yield by 20.6%.

*Application of sand mixed with lime (9:1) in whorls of maize and 15-20 days after sowing and spring with thiomethoxam + Lambda cyhalothrim @ 0.04% reduces FAW in maize.

- iii. **FLD:-** There were 17 no's of FLD during 2019-2020. The FLDs conducted were on nutritional garden, LCC in maize, leaf spot mgt. in sesamum, varietal trial in cauliflower, production of stunted yearling, biological control of algal bloom, pod borer mgt. in pigeon pea, low cost silage making for feeding cattle during lean period, onion seed production from bulb to seed method, GIFT tilapia trial, fruit borer mgt. in bitter gourd, powdery mildew mgt. in mango, pro super bag for pulse storage, low cost technology for drying oyster mushroom etc.

*October-Nov. Transplanting helps in better seed production in onion than Dec.-Jan transplanting with an yield of 7.9Qtl. per haq. as compared to farmers practice of 5.1Qtl. per haq.

*Growth of White- Peckin duck is 30% higher than other local duck breed with less disease prevalence.

*Recommend to produce stunted yearlings of Katla and Rohu in small pond with maximum stocking densities and minimum feed supplement.

*Relative humidity of 85-90% favours mycellials growth, sporulation and minimum days of 7-8 for total colonization in paddy straw mushroom.

*Seed treatment with carbendazim @ 2gm/Kg., spraying with tricyclazole 75WP 0.6gm/ltr. and carbendazim + mancozeb@ 3gm/ltr. at vegetative and PI stages reduces ragi blast and increases yield by 27.8%.

Agenda -4:- Action plan

The Senior Scientist & Head presented the Action plan 2020-2021. There were 7 OFTs, 12 FLDs, 57 F/FW trainings, 9 RY trainings and 6 In service trainings. Besides these programmes, there are also other extension activities such as KisanMela, KisanGoshti, Farm Advisory Services, Animal Health Camp, Diagnostic Field Visit, Exposure Visit, Celebration of Special Day etc.

Agenda-5: Recommendations

1. Awareness programme on Vaccination and Deworming to be carried out jointly with dept. of Animal husbandry and veterinary services.

2. Data analysis of migratory farmers, along with technical intervention in DFI and adopted villages.
3. Promotion of Ragi variety Arjun for seed purpose.
4. CFLD programmes to be done with soil test and other parameters.
5. Training on poultry, dairy and mushroom spawn to be focused for rural youth.
6. Farmers scientist interaction for fingerling-yearling production, exposure visit, higher level training for advance farmer at KVK to be incorporated.
7. Demonstration on solar light trap, value addition of mushroom, high value crop broccoli need introduction.
8. Programme on post- emergence weed management in maize required.
9. Primary processing unit of millets like gulji, kodo etc. &ragi value addition is highly essential.
10. Training on IPM, IDM in vegetable crops is required.
11. Seed production in onion to be focused.
12. Technical support in nutritional garden, vermicomposting, goat rearing, organic cluster development is required.
13. Identification of particular commodity of the district.
14. Regular updates of KVK portal.

The meeting was ended by the vote of thanks.

**Sr. Scientist & Head
Education
K.V.K, Nuapada**

**Dean Extension
OUAT, Bhubaneswar**