

**PROCEEDINGS OF 20TH SCIENTIFIC ADVISORY COMMITTEE MEETING OF
KRISHI VIGYAN KENDRA, GAJAPATI HELD ON 18TH DECEMBER 2024**

The 20th Scientific Advisory Committee (SAC) meeting of K.V.K., Gajapati was held on 18.12.2024 at 11:00 AM under the Chairmanship of Prof. Prasannajit Mishra, Dean Extension Education, O.U.A.T., Bhubaneswar and Co-Chaired by Dr. P. K. Mohanty, Deputy Director Extension (UEBP), Directorate of Extension Education, O.U.A.T., Bhubaneswar, Dr. S. K. Mondal, Principal Scientist, ICAR-ATARI, Kolkata and Dr. Gyanalok Das, OIC, RRTTS, G. Udayagiri also attended the meeting. The list of members present in this meeting are annexed herewith. At the outset, Dr. Sangram Paramaguru, Senior Scientist and Head welcomed the members followed by inauguration by lighting the lamp by the dignitaries.

The Chairman highlighted role of K.V.K. in the district for development of the farming community. He also emphasized the purpose, objectives and importance of SAC meeting and participation of the members. After brief introductory remarks, he advised Dr. Sangram Paramaguru, Senior Scientist and Head to start the proceedings as per agenda.

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

Senior Scientist & Head circulated the proceeding of last SAC meeting to all the members for collecting the feedback and presented the proceedings in brief.

The Senior Scientist & Head presented the actions taken by the KVK on the recommendation of the last SAC meeting as follows.

Sl. No.	Recommendations	Action Taken
1	Drought tolerant, medium duration rice varieties should be introduced	Assessment of medium duration rice varieties under rainfed condition has been carried out during <i>Kharif</i> , 2024 by adopting cv. Kalinga Dhan 1203, 1204 and 1205, involving 10 farmers in two village (Jang Jang, Attarsing) in 2 ha area. One field day was observed and one awareness programme involving 60 farmers were undertaken
2	Weed management practices in hybrid maize to be undertaken	Demonstration on weed management in maize has been undertaken during <i>Kharif</i> , 2024. Pre-emergence application of Atrazine 50% WP @ 1000 g/ha followed by post emergence application of Tembotrione 34.4% SC @ 290 ml/ha in village Jang Jang, and Attarsing, involving 10 farmers, in 2 ha area. One field day was observed with awareness of 60 farmers
3	Popularization of improved little millets varieties.	Assessment of little millet varieties has been conducted cv. OLM 208, OLM 217 and Kalinga Suan 18. 10 farmers were benefited in village Dhimirijholi in 1 ha area

4	Integrated crop management to be carried out in oilseed crops	<ul style="list-style-type: none"> ➤ Training programme conducted involving 25 farmers ➤ Demonstration to be conducted during <i>Rabi</i> 2024-25
5	Foliar application of growth promoters may be undertaken for improving flower and fruit retention in mango.	Training programme and on-farm trial on foliar application of growth promoters have been conducted to check flower and fruit drop in mango. 50 farmers were benefited out of 02 trainings and one OFT in 6 village (Parisala, Lobarsing, Mangarajpur, Ramagiri, Dihudisahi, Tai) covering 4 ha area under OFT
6	Focus should be given for yield enhancement of pineapple	<ul style="list-style-type: none"> ➤ Training and awareness programme conducted on scientific cultivation of pineapple involving 60 farmers ➤ OFT on “ICM practices on flowering and fruit yield of pineapple” has been conducted in 5 villages (Parisala, Sinising, Gamangasahi, Subulada, Phuka) in 3 ha of land
7	Demonstration and popularisation of natural farming	<ul style="list-style-type: none"> ➤ Two trainings and demonstration of natural farming has been conducted. ➤ Demo unit of natural farming has been developed at KVK campus for creation of awareness among farmers ➤ Farmers benefited- 35 in 4 village (Atarali A, Lubursing, Tungru, Nuasahi) awareness programme involving 60 farmers
8	Popularization of multiple disease resistant tomato hybrid varieties may be taken up	Popularization of multiple disease resistant tomato hybrid Arka Abhed has been taken up through demonstration 50 farmers benefited in 7 village (Tuman, Dihudisahi, Alam, Kandulasahi, Antarali, Atarsing) covering 6 ha area. One field day was organized
9	Demonstration of improved package of practices may be undertaken for spice crop.	Training, demonstration and awareness programme conducted on improved package of practices of spice crops. 49 farmers benefited in 7 village (Tai, Jang jang, Atarsing, Dihudisahi, Tikamala, Dhimirijholi, Sureikhamar) covering an area of 2 ha, one field was observed

The Chairman after taking consent of the house approved the proceedings.

AGENDA-2: Achievements made by the KVK

Senior Scientist & Head presented the brief Achievement report of KVK from October 2023 to September 2024.

i) Training

K.V.K. has conducted 30 training programmes for practicing farmers and farm women, where 750 farmers and farm women and 200 rural youth have been trained in 10 numbers of rural youth training programme. Moreover, 5 training programme were conducted for 75 in-

service personnel and 40 school drop outs have been trained in 4 vocational training programmes during the year 2024.

ii) **Front Line Demonstration**

K.V.K has conducted 10 FLDs involving 150 farmers in the area of Agronomy, Horticulture and Agricultural Extension disciplines. The KVK has conducted cluster frontline demonstration on oilseeds covering 20 ha of Sunflower variety KBSH-53 involving 50 farmers and 10 ha of Sesame variety Smarak involving 25 farmer during summer 2024. During *Kharif* 2024, cluster frontline demonstration on oilseeds (Sesame) Kalinga Sesame 3-1 has been conducted covering 80 ha involving 200 farmers.

- Demonstration of herbicide for weed control in Groundnut was conducted during *Rabi*, 2023-24. It was observed that post-emergence application of Imazethapyr 10% SL @ 0.75 kg /ha at 20 DAS in recommended practice recorded lower weed density, higher weed control efficiency (75.34%) and higher return as compared to hand weeding.
- Demonstration of INM in sesame was conducted during summer 2024. Application of 30-15-15 kg N, P₂O₅, K₂O/ha + ZnSO₄ @ 25 kg/ha + Borax @ 10 kg/ha + Azotobacter seed inoculation recorded seed yield of 6.08 q/ha in recommended practice.
- Demonstration of high protein rice variety CR Dhan 310 was conducted during *Kharif* 2024. It was noticed that rice var. CR Dhan 310 obtained 11.58% higher yield (39.5 q/ha) with more effective tillers/hill (16.8) and protein content of 9.6% in milled rice.
- Weed Management in maize was demonstrated during *Kharif*, 2024. Pre-emergence application of Atrazine 50% WP followed by post emergence application of Tembotrione 34.4 SC @ 290 ml/ha at 20-25 DAS recorded very low weed population, higher weed control efficiency (91.24%) and higher maize yield (45.4 q/ha).
- Demonstration of Weed Management in Pigeonpea was conducted during *Kharif*, 2024. Pre-emergence application of Pendimethalin 30% EC @ 2500 ml/ha at 3 DAS followed by post-emergence application of Imazethapyr 10% SL @ 1000 ml/ha with one hand weeding at 50 DAS increased the weed control efficiency by 88.59 % with an yield of 10.51 q/ha.
- Nutrient management was demonstrated in onion crop during *Rabi* season of 2023-24. Foliar application of ZnSO₄ @ 0.5 percent at 45 and 60 days after transplanting along with soil application of NPKS @110:40:60:30 kg per ha enhanced the yield by 26.3% as compared to farmer practice.
- Demonstration of mulching was conducted for improving productivity and profitability in brinjal during *Rabi*, 2023-24. In recommended practice, weed density (23 /m²) found less as compared to farmer practice (128 (23 /m²). Demonstration plot showed 28.3% yield advantage of over FP.
- Yard long bean variety Arka Mangala was demonstrated for tolerance to YMV during *Kharif* season of 2024. It was observed that the Arka Mangala recorded 19.94% higher yield with less YMV incidence (4.3%) as compare to traditional variety Sautuni (23.2% YMV incidence).
- Demonstration on polythene mulching in chilli for higher yield and profitability was conducted during *Kharif* 2024 and controls the weed density with an yield advantage of 27.3% over FP.

iii) On-Farm Testing

K.V.K. has conducted 5 OFTs involving 70 beneficiaries in Agronomy, Horticulture and Agricultural Extension disciplines during *Kharif, 2024* and *Rabi 2024-25*.

- Assessment of medium duration rice varieties under rainfed condition was carried out in *Kharif, 2024*. It was observed that rice var. Kalinga Dhan 1205 produced 13.13% higher yield (40.92 q/ha) with more effective tillers (15.4) per hill as compared to farmers' practice.
- Assessment of little millet varieties was conducted in *Kharif, 2024* and it was found that little millet variety Kalinga Suan 18 produced more effective tillers (4.1) per hill with an yield of 9.06 q/h and recorded net return of ₹20,557 per ha with B:C ratio of 2.12.
- Assessment of use of plant growth regulators in mango was carried out during late *Rabi 2023-24*. Application of Tricentanol @ 3 ppm increased the number of fruits per plant and also increased the fruit yield by 42.43%.
- Assessment of ICM practices in pineapple was carried out in *Kharif 2024*. Foliar application of NAA @ 200 mg/L and GA @ 100 mg/L + B @ 100 mg/L + Zn @ 100 mg/lit at flower initiation stage was tested for flower induction, uniform fruiting and maturity.
- Assessment of effectiveness of various sources of information for pest management in rice such as information from input dealers, technological backstopping from KVK to enhance effectiveness and timeliness of the information in *Kharif, 2024* was tested with the local sources.

v) Other Extension Activities

K.V.K. has conducted various extension activities such as exhibitions, field days, special day celebration, radio talks, television talks, scientists visit to farmers' field, kisan gosthi, farmers visit to KVK, FPO meetings held, SHG convention, Ex-trainees sammelan, film show, group meeting, KMAS, lectures delivered as resource person and special days celebration etc. during this period.

AGENDA-3: Action plan for 2025-26

The Senior Scientist & Head presented the detailed activities to be undertaken during 2025-26. All total 7 OFTs, 13 FLDs, and 70 training programmes for farmers and farm-women, in-service personnel and rural youths were proposed to be conducted during 2025-26.

AGENDA-4: Recommendations by SAC Members

The following action points were recommended by the members of the SAC

1. Integrated crop management should be implemented in fruit crops to enhance yield.
2. Weed management strategies should be adopted in vegetable crops and hybrid maize.
3. Disease-resistant chilli hybrids should be popularized.
4. Precision farming practices such as mulching and micro-irrigation should be promoted through training and demonstrations.
5. Demonstrations on small farm implements should be conducted for drudgery reduction.
6. Training and awareness programmes on post-harvest technologies of horticultural crops should be organized.
7. Training and awareness programmes on the operation and maintenance of farm machinery should be conducted.

8. Capacity-building programmes on the production of quality planting material should be undertaken.
9. High-protein rice varieties should be popularized.
10. Focus should be given to yield enhancement in groundnut.
11. Training and awareness programmes on mushroom production should be organized.

The session was ended with the vote of thanks by Dr. Sanjib Kumar Mandi, Subject Matter Specialist (Agronomy), KVK Gajapati.


06/01/2026
**Senior Scientist and Head
KVK, Gajapati**

SENIOR SCIENTIST AND HEAD
KRISHI VIGYAN KENDRA, GAJAPATI


17/1/26
**Dean Extension Education
OUAT, Bhubaneswar**

MEMBERS PRESENT ON 20TH SAC MEETING OF KVK, GAJAPATI

Sl. No.	Name & Designation
1	Dr. Prasannajit Mishra Dean, Directorate of Extension Education, O.U.A.T, Bhubaneswar
2	Dr. Prasanta Kumar Mohanty Deputy Director Extension (UEBP), DEE, O.U.A.T, Bhubaneswar
3	Dr.S. K. Mondal Principal Scientist, ICAR-ATARI, Kolkata
4	Dr. Gyanaloak Das OIC RRTTS, G.Udayagiri
5	Mr. Bhabendra Murmu I/C Chief District Agriculture Officer, Gajapati, Paralakhemundi
6	Dr. Susanta Ranjan Dash Deputy Director of Horticulture, Gajapati, Paralakhemundi
7	Mr. Suresh Kumar Pattnayak DDSC cum PD, Watershed, Gajapati, Paralakhemundi
8	Dr Subham Biswal AVAS, R.Udayagiri
9	Mrs. LishaBehera District Fishery Officer, Gajapati
10	Mr. Arun Kumar Sahu Asst. Conservator of Forest, Paralakhemundi, Gajapati
11	Mr. Pratik Panda DDM, NABARD, Gajapati, Paralakhemundi
12	Dr. Sujit Kumar Nath Senior Scientist and Head, KVK, Ganjam-II
13	Dr. Debasis Sarangi Scientist (Soil Science)KVK, Ganjam-II
14	Dr. Sidartha Sankar Das Scientist (Fishery) KVK, Ganjam-II
15	Mr. Sandeep Mohanty Scientist (Plant Protection), KVK, Ganjam-II
16	Mr. RajibTudu SMS (Plant Protection), KVK, Ragayada
17	Mr. Aruna Chandra Pradhan Progressive Farmer, R.Udayagiri
18	Mr .Manoj Raika Progressive Farmer, Atarsing, Nuagada, Gajapati
19	Mrs .Roji Dalai Farm women, R.Udayagiri, Gajapati
20	Mrs. Rasmita Dalai Farm women, R.Udayagiri, Gajapati
21	Dr. Sangram Paramaguru Senior Scientist and Head, KVK, Gajapati
22	Dr.Sanjib Kumar Mandi Subject Matter Specialist (Agronomy), KVK, Gajapati
23	Mr. Jayashankar Pradhan Subject Matter Specialist (Agrometeorology), KVK, Gajapati
24	Dr.Sushree Choudhury Scientist (Horticulture), KVK, Gajapati, KVK, Gajapati
25	Mr Janurius Kujur Subject Matter Specialist (Agriculture Engineering) KVK, Gajapati

Sangram
06/01/2026
Senior Scientist and Head
KVK Gajapati

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