

**PROCEEDINGS OF THE 6TH SCIENTIFIC ADVISORY COMMITTEE
MEETING OF K.V.K, SAMBALPUR**

The 6th Scientific Advisory Committee Meeting of Krishi Vigyan Kendra (K.V.K), Sambalpur was held on 08.08.2011 in the Conference hall of Krishi Vigyan Kendra, Sambalpur under the Chairmanship of Prof. R.K. Raj, Joint Director, Extension Education, OUAT, Bhubaneswar. Dr Sunil Samal, Programme Coordinator after giving heartiest welcome to the Hon'ble members, requested the Chairman to inaugurate the meeting by lightening the lamp and to conduct the meeting. The members present in the meeting is annexed herewith (Annexure-I).

After a brief introductory remark, the Chairman asked the Programme Coordinator to start the proceedings as per the Agenda. The Programme Coordinator presented the Proceedings in brief of the last SAC meeting. The Chairman taking the consent of the members approved the proceedings.

Agenda 1: Action taken on the proceedings of last meeting

a. Use of effective weedicide in rice and groundnut.

The Programme Coordinator stated that during last year the herbicide pretilachlor @1 lit a.i./ha controls the weed infestation by 68% and the productivity of rice increased by 6%. During current season the KVK started an OFT on herbicide (Almix) application in Rice in the adopted villages. The Chairman suggested that weed is a major problem in Kharif groundnut and suitable herbicide should be taken under OFT programme and it should be popularized through FLDs.

b: Cultivation of high yielding varieties of rice

The Programme Coordinator informed the House that during last year the K.V.K had conducted OFT on high yielding variety of rice i.e Manaswini and this variety resulted 49 qtl/ha and it was 11.33% increased over Swarna variety. During current year two promising varieties of rice i.e Manaswini & Pratikhya were taken in the OFT & FLD programmes. The Chairman suggested information on disease and pest incidence on these varieties should be recorded.

c: Integrated disease and pest management in paddy and vegetables

As per the recommendation of last SAC meeting, FLD and OFT programmes on Integrated Disease Management and Pest Management has been proposed and they are such as IDM in paddy for sheath blight, Assessment of IPM in Okra to check YVMV vector, Assessment of IDM for groundnut, Assessment of IPM in pumpkin to check fruit fly, IPM in brinjal for shoot and fruit borer, IPM to control stem borer in paddy, IPM in Chilli for control of thrives and IPM in cauliflower diamond back moth management. Besides this several training programmes on IPM and IDM will be conducted during this year. The Chairman suggested important pest, diseases and their symptoms should be shown to the farmers through posters, CD show programmes.

d: Use of mulching, sprinkler irrigation & drip-irrigation:

The Programme Coordinator informed the house that in order to popularize mulching, sprinkler and drip irrigation, during last year, FLD programme was conducted on Use of micro sprinkler in nursery, Use of drip irrigation in banana and OFT on Assessment of sprinkler irrigation in wheat. During current season OFT programme is going on Use of plastic mulching with drip irrigation in mango and FLD on Use of plastic mulching with drip irrigation in banana will be demonstrated in the farmer's field. The Chairman suggested to link up with line Department of Horticulture for utilizing subsidy under NHM.

e. Drudgery reduction of farm women

During last year, in order to reduce the drudgery of farm women, several OFTs such as Use of mandua weeder in SRI, Use of Pedal operated groundnut thresher, Use of improved sickle, Power operated paddy thresher were conducted. This year to assess low cost implements like groundnut decorticator, Bhindi plucker, tubular maize seller have been proposed under OFT programmes. On reacting the point the Chairman suggested to record efficiency of these implements and cost benefit ratio.

f. Soil status analysis before and after intervention and use of soil amendment.

As per the recommendation of the last SAC meeting, soil samples from each FLD & OFT programme is collected before and after intervention. As the K.V.K. has

no soil and water sample analysis laboratory so the soil samples were sent to OUAT for analysis.

g. Demonstration on raised beds and sunken beds system of planting.

The Programme Coordinator stated that one OFT on Raised bed and sunken bed system was conducted in the village Satijore of Dhankauda block in order to diversify the mono crop and increase the productivity of low land. The Chairman suggested to develop a demonstration unit in the K.V.K campus to popularize this system among the farmers.

h. Demonstration on use of different farm implements in agriculture

Agricultural implements play a significant role in modernization of Indian agriculture. In order to mechanize agriculture OFT programmes such as bullock drawn groundnut digger, self propelled paddy transplanter, Use of tractor operated rotavator and disk ploughing were conducted during last year. In OFT programme - Tractor operated groundnut digger, use of power weeder in SRI, and in FLD - Use of self propelled paddy transplanter, paddy reaper and tractor operated 5 row inclined plate planter will be conducted this year. The Chairman suggested field day should be conducted on these implements.

i. Income generation of farm women.

For income generation of farm women, the Programme Coordinator informed the House that the training programmes and demonstrations were conducted on mushroom cultivation, marigold cultivation, nutritional gardening etc. The Chairman suggested to involve rural women to popularize low-cost vermi-composting and poultry in backyards.

k. Formation of farmers clubs in every village and supply of literature to the club.

The Programme Coordinator stated that 6 numbers of farmers club have been formed in the adopted villages and they will be linked with NABARD for financial assistance. A 7 days training programme was organized at KVK campus on Technology Transfer, Credit counseling & Market Advocacy through Farmers club along with the NGO 'Adarsha'.

Agenda – 3 : Brief Achievements of K.V.K during (2010-11)

The Programme Coordinator presented the overall achievements made by the K.V.K during 2010-11. He informed the House that the K.V.K had conducted 54 Nos. of training programmes for practising farmers and farm women, 28 Nos. of rural youths and 11 Nos. of extension functionaries involving 1375, 375, 195 Nos. of participants respectively. Besides this, the K.V.K. conducted 23 Nos. of Front Line Demonstrations, 21 Nos. of On Farm Testings in agriculture and allied subjects. The Chairman suggested annually, 2000 farmers and farm women and 200 Nos. of in-service personnels should be trained.

Agenda – 4 : Action Plan for 2011-12

The Programme Coordinator presented the detail action plan for the year 2011-12 and he informed the House that 60 Nos. of training programmes for practising farmers and farm women, 29 Nos. of rural youths and 11 Nos. of extension functionaries will be conducted. Besides this, The K.V.K. will conduct 20 Nos. of Front Line Demonstrations, 20 Nos. of On Farm Testings in agriculture and allied subjects.

The SMS (Agronomy, Plant Protection, Extension, Engineering and Home Science) presented their achievements before the House and action plans for the year 2011-12. While presenting the Action Plan and achievements of Agronomy discipline by SMS (Agronomy), the Chairmen emphasized on to take new varieties of rice, popularization of scented rice and soil amendment in different crops to increase the productivity. He also suggested to analyse the soil for every FLD and OFT before and after intervention. On the presentation of Plant Protection discipline by SMS (Plant Protection), the Chairman advised to record all datas relating to disease and pest infestation and to take good quality photographs. While conducting trials on application of neem cake feasibility on availability of the product should be taken into consideration. He also emphasized biological control of diseases. On presentation of Women in Agriculture, the Chairman suggested that emphasis should be given on use of implement in weeding and to popularize pedal operated thresher as the power operated thresher require electricity near the field. On presentation on farm mechanization by SMS (Agril . Engg.), the Chairman suggested that importance must

be given on line sowing by using different agricultural implements and to give stress on farm mechanization in order to reduce drudgery of farm women and the production cost. He also stressed on mulching in fruit crops should be encouraged to suppress the weed growth and in order to conserve moisture in the root zone. On presentation of SMS (Agril. Extn.), the Chairman emphasized on increasing the production and productivity of oilseed and pulse crops by using improved varieties with recommended package and practices. He also suggested to document the success stories, innovative stories and development of more number of functional farmers club.

The Associate Dean, College of Agriculture, Chiplima suggested to conduct farmers fair and technological week for dissemination of improved technologies in larger scale. He also emphasized on linkages with NHM, DRDA, ITDA etc. for development of farming community of the district.

The Associate Dean, College of Horticulture, Chiplima stressed upon use of high yielding varieties of vegetable in FLD, OFTs and also production of quality planting materials by the K.V.K.

Addressing the meeting Deputy Director of Horticulture, Sambalpur stressed upon the canopy management of mango and IPM and INM on Kuchinda Chilly. He also suggested to submit project proposal to ATMA for financial assistance for the year 2011-12.

Addressing the meeting, the Chief Scientist, Water Management Project, RRTTS, Chiplima suggested to diversify crop in low lands. The AGM, NABARD stressed upon for formation of farmer's club and popularize improved technologies through ATMA bulletin. The Lead Bank Manager, Sambalpur emphasized to increase the income of farm women and their drudgery reduction in different field activities. The Director, CCBF, Chiplima suggested to popularize backyard poultry rearing and more number of training programmes under animal husbandry sector. The Soil Conservation Officer, Burla suggested to analyse soil before intervention any FLD & OFT programmes. The Programme Executive All India Radio emphasized to give more number of radio talks on improved technologies for development of farming community.

Addressing the meeting, the Progressive farmer Sri Debendra Pradhan of Village – Kalamati expressed his happiness over the work done by the K.V.K Scientists in their village and requested the SAC members to take more number of FLD programmes in his village. . The progressive farm women, Smt. Sailasuta Bhoi of Hirakud emphasized to conduct more number of trainings related to farm women.

Salient recommendations of Chairman and SAC Members

- i) Soil amendment and soil analysis.
- ii) To conduct 2 field days i.e on critical stage and at harvesting stage to disseminate the technology .
- iii) To conduct 2 farmers fair i.e one at KVK Campus and one at village.
- iv) One Ex-trainee Samelan should be done in each quarter to study the impact.
- v) Crop diversification in low land.
- vi) Demonstration on use of different farm implements in agriculture.
- vii) Income generation through rearing of backyard poultry and vermi-composting of farm women
- viii) Drudgery reduction of farm women.

Agenda – 5 : Constraints of the K.V.K

The Programme Coordinator presented the constraints of the K.V.K and had drawn the kind attention of the Chairman and Members of the House on:

- i) To develop irrigation facility for the demonstration units.
- ii) To construct boundary wall around the K.V.K.
- iii) Filling up of the vacant posts like Farm Manager, Programme Assistant, Tractor driver.
- iv) Furnishing of farmers hostel.
- v) Provision for tractor implements like trolly, rotavator, double cage wheel etc.
- vi) Provision for threshing floor
- vii) Provision for power operated paddy thresher.

The meeting ended at 2.30 P.M. with vote of thanks by SMS (Plant protection) followed by visit of members to demonstration units of K.V.K.

ANNEXURE-1

Sl No	Name & Designation	Status in the meeting
1	Dr. R.K. Raj, Joint Director, Extension Education, OUAT, Bhubaneswar	Chairman
2	Dr. D. K Dash, Associate Dean, College of Horticulture, Chiplima	Special Invitee
3	Dr. U. K. Behera, Associate Dean, College of Agriculture, Chiplima	Special Invitee
4	Dr. R.K Saxsena, Director, CCB Farm, Chiplima	Member
5	Sri S.C Pradhan, Deputy Director of Horticulture, Sambalpur	Member
6	Dr. S.K Swain, I/C ADR, RRTTS, Chiplima	Member
7	Sri J. Naik, Lead Bank Manager, Sambalpur	Member
8	Er. Narahari Nayak, SCO, Burla	Member
9	Sri R. C Sahu, AGM, NABARD	Member
10	Dr. Asish Kumar Dash, Chief Scientist., Water Management, RRTTS, Chiplima	Member
11	Sri K.K Mahapatra, O/o CDVO, Sambalpur	Member
12	Sri R.N Sunpe JQCI,O/o DDA, Sambalpur	Member
13	Sri N Barik, SMS (PP)O/o KVK, Bargarh	Member
14	Sri N. Das, PC, KVK, Jharsuguda	Member
17	Dr. Sunil Samal, P.C. KVK, Sambalpur	Convenor
Progressive Farmer's/ Farm Women		
1	Debendra Pradhan, Kalamati	Member
2	Jayaram Badhei, Dangarpada	Member
3	Jagyaseni Pradhan, Nuagujatal	Member
4	Sailasuta Bhoi, Nuagujatal	Member