

Proceedings of the Scientific advisory Committee Meeting of KVK, Boudh

The 8th Scientific advisory Committee Meeting of KVK, Boudh was held at 11.00 AM on 22.07.2013 in the conference hall of KVK. Prof. R.K.Raj, Joint Director Extension Education, OUAT, Bhubaneswar was chairing the session. Members present in the meeting are annexed herewith. Sri B.C. Dhir, Programme Coordinator 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 Programme Coordinator to start the proceedings as per the agenda.

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

The Programme Coordinator briefly presented the proceedings of the last SAC meeting and stated that it has been circulated to all the members vide letter No.67 dt 13.03 2013. He also presents the proceedings in the meeting.

The chairman taking the consent of the members approved the proceedings.

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

The Programme Coordinator presented the following actions taken on the recommendations of last SAC meeting.

- Onion var. Bhima super has been tested through OFT in the year 2008-09. This variety recorded 18.39 % increase in yield over farmer's cultivated variety (N-53) with avg. bulb wt. 115 gm
- In INM trials, 75 % of recommended dose of fertilizer has been applied taking in to account the nutrient availability from bio-fertilizer.
- FLD on use of Parad tablet for control of store gain pest in rice has been dropped during the workshop for finalization of Action Plan 2013-14 of home science.
- One training on value addition of tuber crops has been included in Action Plan 2013-14.
- Four Agro-Service centers are established through department of Agriculture which provide agriculture implement like Tractor & tractor accessories, Diesel Pump Set, Rotavator and Power Sprayer on custom hiring basis.
- Newly excavated farm ponds are utilized through fish cum horticulture integration system. In the Action Plan 2013-14 one FLD on integrated fish farming has been included.

Agenda- 3 Achievements made during Kharif- 2012

Training

KVK has imparted training to 1875 farmers & farmwomen through 74 training Programmes, 165 rural youths trained on quality planting material production in vegetable, Bee keeping, Paddy straw & oyster mushroom cultivation, Production of quality planting material under protected condition, entrepreneurship development, propagation method of Bamboo, value addition of vegetables as well as carp breeding and hatchery management were organized through 11 Nos. of Training Programme. All total 147 Extension Personnel's are upgraded with recent advances on agricultural & allied technology through 10 Nos. of Training Programmes. Thirteen trainees have been trained on mushroom spawn production & Vermicomposting through 2 no of vocational training programme.

Front Line Demonstration:

K.V.K has conducted 22 Nos. of frontline demonstrations in farmer's field. Salient achievement of some FLDs are given below

- Deworming of kids by oral feeding with Fenbendazole + Traziqintal (200 mg) ½ tablet with livotas 5 ml /kid recorded 2% kid mortality against the local check of 18% mortality.
- Demonstration of SRI method of paddy cultivation resulted yield of 50.7qt/ha which is 31 % higher than the normal practice.
- Demonstration on paddy straw mushroom recorded yield of 1.35 kg/bed with a net return of Rs. 70/bed
- Demonstration on use of Puddler for puddling of paddy field recorded a field efficiency of 0.72 ha/day against the farmers practice of 0.21 ha/day.
- Use of Pheromone trap @ 20 nos/ha, alternate application of Bt @ 1 kg/ha & Cypermethrin 10 EC @ 1 lit/ha effectively control pod borer in Arhar(4.8% pod damage against 34% in local check) & resulted in yield increase to 10.7 qt/ha which is 49% more than the local check
- Foliar application of Triazophos 40 EC @ 1 lit/ha controlled leaf folder In paddy effectively only (0.6% damaged leaf per hill against 5.1 % in local check and resulted increase in yield to 44.3 qt/ha which is 13.9% local check

- Demonstrations on hybrid rice variety *JKRH-401* recorded increase in yield to 48.3 qt/ha which is 31% more than high yielding variety
- Pre emergence application of Oxyfluorfen @ 200 ml /ha in ground nut effectively controlled weeds and increased yield to 19.6 qt/ha which is 20% more than the local check.
- Spraying of streptocycline @50gm and copper oxychloride 1kg/ha effectively controlled BLB in summer paddy (infection 3.6% against 16.2% in local check) & resulted yield to 46 qt/ha which is 16% more than farmers practices.
- Use of Pheromone trap @ 20 nos/ha alternate application of Bt @ 1 kg/ha & Cypermethrin 10 EC @ 1 lit/ha effectively controlled *Spodoptera* in cauliflower (1 no of larva per plant against 7 no in local check).It resulted increase in yield to 198.6 qt/ha which is 22% more than the local check.
- Demonstration on tomato variety *Utkal Pragyan* resulted yield of 239.6 qt/ha which is 15% more than the farmers variety Sel-22
- Spraying Quizalfop ethyle @ 1 l/ha + Oxyfluorfen @ 200 ml/ ha at 20 days of transplanting effectively controlled weeds (weed count 64 nos /sq.mtr against 252 no /sq.mtr and resulted yield to 228.4 qt/ha which is 12% more than the farmers practice. Besides the gross cost of cultivation was less by Rs.2230/-per ha. than local check.

FLD on oilseed and pulses

- Sesamum variety *Nirmala* with integrated nutrient, weed and pest management practices recorded yield of 6.5 qt/ha which is 35% more than the farmer variety Magi rasi (4.8qt/ha)during kharif 2012
- Arhar variety (*Asha*) with integrated nutrient & pest management practices resulted yield of 11.8 qt/ha which is 51% more than farmers variety during kharif 2012
- Sunflower hybrid HiQ-27 with integrated management practices during kharif 2012 recorded yield of 11.2 qt/ha which is 31% more than local check in Rabi12-13
- Greengram variety TARM- 1 with integrated, nutrient pest management practices resulted yield to 7.8 qt/ha.which is 50% more than local check in Rabi2012-13

On-Farm Testing:

Twenty technologies have been assessed in farmer's field based on problem of farmer. Salient achievements of the OFTs are given below.

- Soil application of gypsum @ 250 kg/ha along with RDF(NPK @ 20:40:40 kg/ha) in Groundnut resulted yield of 18.6 q/ha which is 17% higher than the local check.
- Seed treatment with vitavax power @ 2 gm/kg and foliar application of Carbendazim 12 % + Mancozeb 63 % @ 2 g / lit effectively controlled *Cercospora* leaf spot (4%) against the farmers practice (26%) in groundnut. The yield recorded as 19.4 q/ha which is 19% more than the farmers practice.
- Use of Parad tablet @ one/5kgs of rice in storage effectively controlled stored gain pest & recorded 1.3% wt loss of stored gained as against the farmers practice (11.2%).
- Use of mandwa weeder in SRI method of cultivation recorded field efficiency of 135 m²/hr which is 12.5% more than the farmers practice (120m²/hr).
- Use of Rotary peg weeder in brinjal for inter-culture recorded field efficiency of 0.01 ha/hr as against the farmers practice of 0.005 ha/hr.
- seed treatment with vitavax power @2 gm/kg and soil drenching with ridomil @ 2gm/lt Controlled wilt in sunflower(3.8% wilt against 27.2% in farmers practice) and recorded yield 10.8qt/ha which is 25%more than farmers practice
- Soil application of *T. viride* @ 5 kg / ha incubated with FYM & spraying & mancozab 3 gm /lit controlled downy mildew in cucumber &recorded 94.6 qt/ha yield which in 25% more than farmers practice.
- Soil application of neem cake @ 100 kg/ha during transplanting & foliar spray of Imidacloprid 125 ml/ ha effectively controlled thrips in onion(3 no thrips per plant against 17 no in farmers practice) & recorded yield 236.2 qt/ha which is 22% more than the farmers practice.
- Cultivation of Tamato Var.Utkal Raja resulted yield of 274.4 qt/ha which is 20% more than the farmers Var Sel-22

- Application of FYM @ 15 ton/ha, foliar spray of boron @ 2gm/lt along with RDF (NPK @ 125:50:75 kg/ha) resulted yield of 206.8 qt/ha which is 14% more than the Farmers practice.
- Application of Ground nut oil cake +Rice bran (1:1)@2kg/ha for first three months in pond as supplementary feed resulted fish production to 24 qt/ha which is 26% more than the farmers practices.

Other extension activities:

KVK has conducted 29 Field days, 2 nos of farmers fair, 4 nos of exhibition and 64 Film shows. Scientists of KVK published 3 no of news letters, 3 nos. of popular articles, 7 nos of extension litretures. KVK has celebrated Akshaya Trutiya, Women in agriculture day. KVK has produced 225677 nos of quality seedlings of fruit& vegetable and 1730 Nos of forest seedlings like Hill broom grass, Bamboo, & Mangium. Besides, 9.3 qt of seeds of Dhanicha, Arhar, green gram & planting material tuber crops is produced. Banaraja poultry chicks (950 nos) have been reared & Mushroom spawn (320 btl) produced & distributed to farmers.

Agenda 4 Action Plan of K.V.K.

The Programme Coordinator presented the detailed action plan for 2013-14. This includes 21 OFTs, 25 FLDs and 100 trainings to farmers, farmwomen, rural youth and extension functionaries. The chairman requested the members for interactions and suggestions are recorded.

Agenda 5

The Programme Co-ordinator put forth the genuine constraints of KVK and draw the kind attention of the Hon'ble chairman and members.

1. Lack of suitable land for instructional farm.
2. No irrigation facility for raising the crop round the year
3. No fencing around farm area
4. Shortage of staffs

The chairman interested with the members after suggestions and following action points suggested.

- Follow up action should be taken for use of neem cake for controlling pest of onion & brinjal.
- In herbicide trial, observation on parameters like weed no, weed mass& weed control efficiency should be recorded
- Efficiency in deworming of kids may be studied through OFT.

- The PD ,ATMA should identify & submit the problem of district for technology assessment
- Growth parameters like plant height & girth should be recorded in FLD programme of forestry
- Zero tillage, drum seeder, power weeder have to be popularized among farmers through demonstration in collaboration with CAET.
- Multiple stocking, multiple harvests in fishery should be given emphasis.
- Technologies assessed & refined by KVK should be communicated to line dept. for it's wide dissemination
- Portable carp hatchery should be promoted in collaboration with fishery Department.
- Bhima Sakti variety of onion should be compared with Bhima Super variety compared with N-53
- OFT should be conducted on harvesting of mushroom.
- Agrifound Dark Red variety of onion to be compared against N-53 in kharif season.
- OFT may be designed to harvest three cole crops i.e. Knolkhol, Cabbage and Cauliflower with inter cropping in one plot in phased manner.

The meeting was ended at 3.30 pm with vote of thanks by Mr. A.B.Dash, SMS (Agril. Extension) followed by visit of the members to different demonstration unit of the KVK.

Programme Coordinator

Annexure: I

List of participants with address

Sl. No	Name	Designation &Address	Status
1	Prof. R.K.Raj	Joint Director Extension Education, OUAT, BBSR	Chairing the session
2	A.K. Sethi	DDA,Boudh	Member
3	M.K. Dash	ADH ,Boudh	Member
4	D. Mohapatra	Dist.Fishery Officer , Boudh	Member
5	Tapan K. Das	WMT Livelihood representative P.D, Watershed	Member
6	B.K. Rath	D.M. OAIC ,Boudh	Invitee
7	P. Natha	LDM, Boudh	Member
8	Abhagya Ch. Behera	ADSWO, Boudh ,Representative District Social Welfare Officer	Member
9	H. Mahakud	Secretary ,RMC ,Boudh	Member
10	Dr. Jitendra K. Sahoo	Nodal Officer, Boudh, Representative CDVO	Member
11	Monoj Pradhan	Farmer	Member
12	Padmanav Pradhan	Farmer	Member
13	Pratima Mahapatra	Farm women	Member
14	Bharati Bhoi	Farm women	Member
15	Dr. N. Das	PC, KVK Anugul	Invitee
16	T.K. Samanta	SMS(Agro), KVK Anugul	Invitee
17	Bholeswar Pradhan	AE,OAIC, Boudh	Invitee
18	Srikanta Sahoo	Correspondent, Dharitri	Invitee
19	N. Mahakud	Para Worker, Maa Bhairabi Farmer Club	Invitee
20	Mr. B.C. Dhir	P.C., KVK, Boudh	Member Secretary

PHOTOGRAPHS OF 8TH SAC MEETING OF KVK, BOUDH 2013



PHOTOGRAPHS IN ODIA NEWS PAPER



ତମ ବୈଜ୍ଞାନିକ ଉପଦେଷ୍ଟା ମଣ୍ଡଳୀ ବୈଠକ

ବେଳୀ ଦେଶ / ବ୍ୟାପକୀୟାପଦ୍ଧତା, ୨୨୧୭(ସ୍ବ.ପ୍ର./ଭ.ଏନ.ଏ.)-ବୋଇ ବୁଲ୍କ ବ୍ୟାପକୀୟାପଦ୍ଧତା କୃଷି ବିଜ୍ଞାନକେନ୍ଦ୍ରର ପ୍ରଶିକ୍ଷଣ ଗୃହରେ ସୋମବାର ତମ ବୈଜ୍ଞାନିକ ଉପଦେଷ୍ଟାମଣ୍ଡଳୀ ବୈଠକ ଅନୁସ୍ଥିତ ହୋଇଯାଇଛି । ସମ୍ପୂର୍ଣ୍ଣବାରଣ ଶିକ୍ଷା ନିର୍ଦ୍ଦେଶାଳୟର ନିର୍ଦ୍ଦେଶକ ପ୍ରଫେସର ରବୀନ୍ଦ୍ର କୁମାର ରାଜଙ୍କ ଅଧ୍ୟକ୍ଷତାରେ ଅନୁସ୍ଥିତ ବୈଠକରେ ବୋଇ କୃଷି ବିଭାଗର ଉପନିର୍ଦ୍ଦେଶକ ଅଭ୍ୟ କୁମାର ସେଠୀ ମୃଖ୍ୟଅତିଥି ଭାବେ ଯୋଗ ଦେଇ କାର୍ଯ୍ୟକ୍ରମ ଉଦ୍ୟାଗନ କରିବା ସହ କୃଷି କାର୍ଯ୍ୟପ୍ରତିକରଣ ସମୀକ୍ଷା କରିଥିଲେ । କାର୍ଯ୍ୟକ୍ରମର ସଂଯୋଜକ ଭକ୍ତବରଣ ଧୀର କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ରର କାର୍ଯ୍ୟପ୍ରଶାଳୀ, ଶୈଳୀ, ବିଗତ ବର୍ଷର କାର୍ଯ୍ୟକ୍ରମ ଓ ଆଗାମୀ ବର୍ଷର କୃଷି ଯୋଜନା



ବୈଜ୍ଞାନିକ ଉପଦେଷ୍ଟା ମଣ୍ଡଳୀ ବୈଠକରେ ଉପସ୍ଥିତ ଅତିଥି ।

ଉପରେ ଆଲୋକପାତ କରିଥିଲେ । ଦେଇ ନିଜ ମତ ରଖିଥିଲେ । କୃଷି ଏହି ଅବସରରେ ଜିଲ୍ଲା କୃଷି ବିଭାଗ, ବୈଜ୍ଞାନିକ ମାଧ୍ୟବଚନ୍ଦ୍ର ବେହେରା ଓ ମସ୍ୟ ବିଭାଗ, ଉଦ୍ୟାନ ବିଭାଗ, ବିଷ୍ଣୁପଦ ରିଜି କାର୍ଯ୍ୟକ୍ରମ ସଂଯୋଜନ ଆନୁଷ୍ଠାନିକ ବିଭାଗ ଓ ଅଗ୍ରଣୀ କରିଥିବା ବେଳେ ଅଣ୍ଟାକ କୁମାର ବ୍ୟାକର ଅଧୁକାରୀମାନେ ଯୋଗ ଦାଶ ଧନ୍ୟବାଦ ଅର୍ପଣ କରିଥିଲେ ।