वार्षिक प्रगति प्रतिवेदन

ANNUAL PROGRESS REPORT

2012–13

INDIRA GANDHI KRISHI VISHAWAVIDYALAYA

KRISHI VIGYAN KENDRA

JANJGIR-CHAMPA (C.G.)

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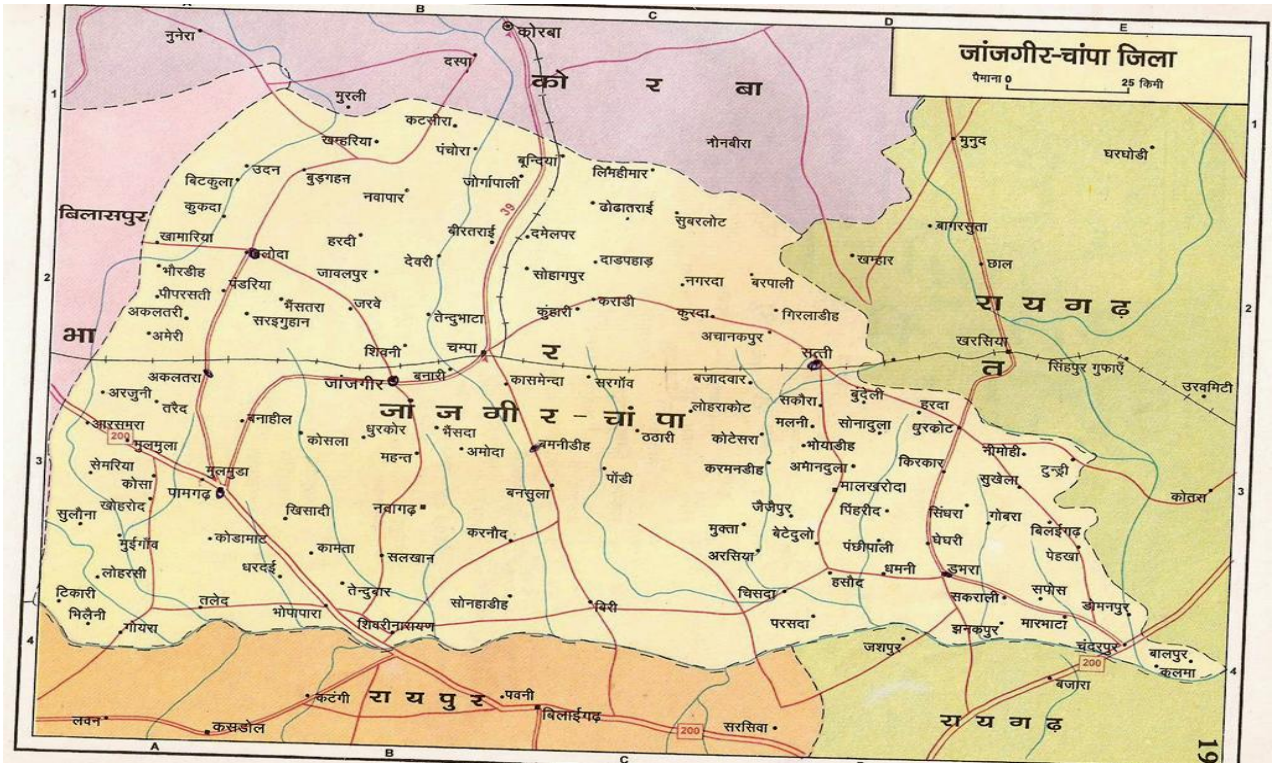
FOREWORD

Janjgir-Champa, Krishi Vigyan Kendra, Janjgir-Champa

Janjgir-Champa, Krishi Vigyan Kendra, Janjgir-Champa was established at Janjgir in 2004 under administrative control of Indira Ghandhi Krishi Vishawavidyalaya, Raipur. The KVK runs under hundred per cent funding support of Indian council Agricultural research (ICAR). The Janjgir –Champa district is situated 21.6° to22.4° N latitude,82.3° to83.2° E longitude with an altitude of 294.4 M. The total geographical area of the district is 486674 ha. The district is surrounded by Raigarh in east, Bilaspur in west, Korba & Bilaspur in north and Raipur in south .The average rainfall of the district is 1147.4 m.m while normal rainfall is 1477.8 mm. The maximum and minimum temperature of the district is 49° c & 8° c respectively. The area under kharif crops is 261323 ha and in rabi 1,02,365 ha.



Infrastructure :

With ICAR Support

- ❖ Administrative Building
- ❖ Staff quarters
- ❖ Farmers Hostel
- ❖ Bore well
- ❖ Fencing
- ❖ 20 Hac. farm

Through outsourcing (RKVY)

- Augmentation of drip irrigation infrastructure.
- Internal Road
- Farm fencing
- Bunding and levelling
- Bore well (4 nos.)
- Seed grader and store house
- Seed grader machine
- Interlinking of Borewell
- Farm Implements

Mandate of the KVK :-

The mandate of the KVK includes technology assessment, refinement, farmers training and demonstration of technology.

To achieve the mandate effectively, the following activities are envisaged for KVK, Janjgir-Champa.

- On-farm testing to identify the location specificity of agricultural technologis under various farming systems.
- Frontline demonstrations to establish its production potentials on the farmer's fields.
- Training of farmers and extension personnel to update their knowledge and skills in modern agricultural technologies.
- Work as resource and knowledge centre of agricultural technologies for supporting initiatives of public, private and voluntary sector for improving the agricultural economy of the district.
- Produce and make available technological products like seed, planting material, bio agents, young ones of livestock etc to the farmers.
- Organize extension activities to create awareness about improved agricultural technologies to facilitate fast diffusion and adoption of technologies in agriculture and allied sectors.

Activities of the KVK

On-farm testing to identify the need based and location specificity of agricultural technologies under various farming systems with low cost. Organized Frontline demonstrations to established production potential of technologies on the farmers fields. Training of farmers to update their knowledge and skills in modern agricultural technologies. Training of extension personnel to orient them in the frontier areas of technology development. To work as resource and knowledge centre of agricultural technology for supporting initiatives of public, private and voluntary sector for improving the agriculture based economy of the district.

	
KVK Building	**Staff quarters**

Technical Staff of KVK

PC - 1 (Horticulture), SMS - 6 (Plant Pathology, Agricultural Engineering, Agronomy, Entomology, Horticulture, Soil Science), F.M.- 1 (Agronomy), P.A. – 1 (Computer)

Staff Position (as on till date)

Sanctioned post	**Name of the incumbent**	**Discipline**	**Highest degree**	**Subject of Speciali-zation**	**Pay Scale (Rs.)**	**Present basic (Rs.)**	**Date of joining**	**Category (SC/ST/ OBC/ Others)**
Programme Coordinator	Dr. Satish Kumar Verma	Horticulture	Ph.D. Horticulture	Vegetable	15600-39100AGP 8000/-	24520/-	22/09/12	Others
Subject Matter Specialist	Shri Nitin Kumar Toorray	Plant Pathology	M.Sc (Ag) Plant Pathology	Plant Pathology	15600-39100AGP 6000/-	8000/-	26/10/07	OBC
Subject Matter Specialist	Shri Samir Shantaiya	Farm Implements and Machines	M. Tech. (Farm Implements and Machines)	Farm Implements and Machines	8000-275-13500	8000/-	27/10/07	SC
Subject Matter Specialist	Shri Shashikant Surywanshi	Agronomy	M.Sc. (Ag.) Agronomy	Agronomy	15600-39100 AGP5400	15600/-	06/09/12	SC
Subject Matter Specialist	Dr. Dushyant Kumar Kaushik	Entomology	Ph.D. Entomology	Entomology	15600-39100 AGP5400	15600/-	07/09/12	OBC
Subject Matter Specialist	Shri Khemadas Mahant	Soil Science	M. Sc. (Ag.) Soil Science	Soil Science	15600-39100 AGP5400	15600/-	10/09/12	OBC
Subject Matter Specialist	Smt. Savita Rajput	Horticulture	M. Sc. (Ag.) Horticulture	Horticulture	15600-39100 AGP5400	15600/-	10.09.12	Others
Programme Assistant	Smt. Maheshwari	Computer	M.C.A.	Computer	9300-34800	9300	20/09/12	SC

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Speciali-zation	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Category (SC/ST/ OBC/ Others)
(Computer)	Upasak				AGP			
Farm Manager	Shri Ashutosh Shrivastava	Agronomy	M. Sc. (Ag) Agronomy	Agronomy	5500-175-9000	6200/-	26/02./08	GEN
Technical Assistant	Vacant	-	-	-	-	-	-	-
Accountant / superintendent	Vacant							
Assistant Grade -II	Shri R.K.Pandey	-	Higher Secondary		4000-6000	4900/-	17/8/05	GEN
Driver	Shri Bhagwani Ram Pal	-	8th				02/04/13	OBC
Driver	Shri Shurndra Jangre	-	High School (10th)				01/04/13	SC
Supporting staff	Shri Santram sahu	-	5th		4700-7400	5960/-	02/01/06	OBC
Supporting staff	Shri Bhawanilal Rathore	-	High School (10th)		2550-3200	2720/-	10.2.06	OBC

Operational areas of the KVK

- Block : Navagarh ; Villages : Goud, Pisod, Pithampur, Amoda, Munund, Mehanda, Sendri, Dharashiv, Mahant, Giddha, Borada, Sukli, Kanai, Janjgir, Avreed, Dahida, Misda, Akaltari, Kireet, Sewai, Banari, Khokhara, Putpura, Pacheda, Dhurkot, Birkoni, Bhannudi, Khisora, Siud, Barbhanta, Kamta, Salkhan, Semra, Kutra,
- Block : Akaltara ; Villages : Madhua, Akaltari, Ghanwa, Tilai, Piparsatti, Kotmisonar, Kirari, Podidalha, Taraud, Junadih, Banahil, Nariyara, Arjuni, Tilai,
- Block : Balauda; Villages : Javalpur (Adopted Village), Jarvey, Rasouta, Bhatapara, Sarkhon, Pahariya, Karmada, Birgahani, Basantpur, Lacchanpur, Madwa, Sioni, Jervy, Hardi, Bhilai, Kulipota, Khokhsa,
- Block : Bamhanidih; Villages : Bamhanidih, Lakhurri, Podishanker, Champa, Baheradih, Sioni, Choriya, Saragoan, Baradwar, Kirari, Dongakahroud, Mauhadih,
- Block : Jaijaipur; Villages : Ghivra, Birra, Kotetara, Kachanda, Tushar, Hasaud,
- Block : Dabhra; Villages : Dabhara, Putideeh,
- Block : Malkharoda: Villages : Malkharoda, Kirai, Kotmi,

- ❖ Block : Sakti: Villages; Jajang, Navapara-khurd, Dondki,Tohiladih, Nandourkhurd, Bailachuva, Dangbora, Jagdalla-Jampali, Sakreli, Judga, Rivapali
- ❖ Block : Pamgarh ; Villages : Jogidipa, Mehndi, Loharshi, Khorshi, Semaria, Kosala, Churtela, -Kutra, Tanod, Kesla, Chandipara, Semaria, Padaria, Sasha, Mulmula

DISTRICT PROFILE

District Janjgir-Champa consist of 09 blocks with 915 villages. The average size of land holding 0.96 ha. Total geographical area of the district is 4,46,674 ha while the net sown area is 2,60, 445. The cropping intensity is 140%.

Agro-climatic zone	:	Chhattisgarh plane
Geographical area	:	4,46,674
Net sown area (000 ha)	:	2,60,445
Gross sown area (000 ha)	:	3,58,282
Area under forest (000 ha)	:	79,439
Percent forest area to geographical area (%)	:	17.78 %
Kharif sown area (000 ha)	:	2,59,840
Rabi sown area (000 ha)		1,02,365
Cropping intensity (%)	:	140 %
Irrigation (%)	:	K 92% & R 26%
Total area under horticultural crop (ha)	:	8167 [Fruit-7089,Veg -818, Spi - 223 & Flo-37 ha]
Average rainfall (mm)	:	1115
No. of tehsils	:	10
No. of Blocks	:	09
No. of villages	:	915
No. of electrified village	:	915
No. of farm families	:	270174
Literacy rate (%)	:	63% [75% (M); 51%(F)]
Average size of land holding	:	0.96 ha
Population (lakh)	:	18.39
Percent tribal population to total population (%)	:	10% (On the basis of farm family)

Major Achievements

Within a very short span of time this kvk has made a tremendous effect specially SRR, adoption of quality seed , seed treatment , adoption of hybrid variety, improved farm implements such as tillage, sowing, intercultural operation, harvesting, threshing and post harvest management, INM, IPM, mushroom production tech, spread in area of oilseed & pulses crops through OFTs, FLD,s & training,s .The scientists of KVK had visited more than Five hundred villages. OFT, FLD & trainings were conducted /organized / participated by the KVK, scientists. Similarly our collaboration/ functional linkage with different organizations Viz. NABARD, IFFCO, KRIBCO, NGO's, DISRTICT PANCHAYAT and other line departments also facilitated in dissemination of new technologies. Effective dissemination of innovation, improve and ensure decision making ability of the user and make a step ahead in to adoption of innovative technology leading do higher production and their financial status. Technology dissemination and adoption is a difficult task it needs collective efforts .

So far plant protection is concern regarding the important diseases and their control measures of kharif and rabi crops as well as vegetables, Integrated Disease Management, Seed treatment by *Trichoderma* as biocontrol agent, mushroom cultivation and mushroom spawn production technique, awareness of machinery & equipments with respect to the plant pathology. Knowledge of suitable disease resistant varieties and use of suitable contact and systemic fungicides in this area. Further, One NGO of Women got technical guidance of tricoderma & rhizobium production technique through KVK and at present nearly 10 qt bio fungicide & culture has been produced and its provide addition source of income.

In participatory mode farmers were exposed to the concept and practices of IPM through group discussion, training programme and demonstration. The component taken into programme were summer ploughing, resistant/ less susceptible variety, clean cultivation, removal of alternate host plant, application of balance dose of fertilizers, use of light trap, conservation of predator and parasite, monitoring of the field as well as followed by spray of judicious use of chemical insecticides. One year observation date revealed that negligible pesticide use resulting in monetary savings. Pest outbreaks have substantially decreased. Consumers will also protected from unnecessary pesticides residues. The website of KVK is still in progress.

Priority thrust area identified by the KVK resource management

- Introduction of community based quality seed and planting material production.
- Indigenous method of organic manure manufacturing.
- Sericulture and Aquaculture is alternate source of employment.
- Farm mechanization through improved agricultural implements.
- Leaf and Neck blast, Sheath blight, BLB, False smut, Stem borer, BPH are the major Problem.
- Improvement in production & productivity of major crops.
- Soil test based crop production system.
- Weed management at critical period.
- Combined use of inorganic and organic fertilizer.
- Reduction of cost of cultivation of existing major crop enterprises through better management practice.
- Income augmentation of resource poor farm women through small scale backyard livestock enterprise.
- Entrepreneurship development of rural youths and women SHG members.

Crop Diversification

- ❖ Diversification of existing production systems for better profitability.
- ❖ Increase of area coverage under pulses and oilseeds.
- ❖ Efficient utilization of up/medium land by cultivation of vegetables, fruits & flowers.

Services of Farming Community

- ❖ Assurance of service to the farming community by supply of quality seeds and other critical inputs viz. planting materials/plant protection chemicals/fertilizer/implements etc.
- ❖ Organizing farmers Club for better technology dissemination as grass root level & Agricultural Cooperatives for better marketing.

Outreach of the KVK

Outreach of the KVK is 515 villages out of 915 villages. Further during this year the KVK may reach in rest of the area by means of KMS, training and demonstration, FLD and OFT.

Year	Total Blocks	Villages		Percentage of outreach out of total villages
		Total villages	No. of villages covered	
Since inception to 2012	9	915	515	56.28
Through Krishak Sangwari	9	915	456	49.83

Summary of activities of the KVK (2012-13)

The various activities of the KVK are OFT and FLD, trainings, seed production, news letter and kisan mela etc. The targeted OFT are 10 of which 13 were achieved. The targeted FLD are 07 of which 07 were achieved. Total no. of trainings including farmers, inservice and Krishak Sangwari conducted durind 2012-13 were 112. More than 350 Krishak sangwari(farmers trained by KVK) were trained during Kharif and rabi in two phases. KVK news letter Indira Kisan Mitan(Editor-Nitin Kumar Toorray, SMS) was published quaterly ie. 4 every year regularly since 2008. Three kisan mela were organised by KVK at block level(village-Mehanda, Jawalpur and Jajang) and two kisan melas were organised at district level at Janjgir(Kharif and rabi season).

Activities	Target	Achievement	Excess/ Deficit
OFT	10	13	+3
No of FLD	07	07	-
No of Beneficiaries in FLDs	100	140	+40
Total No. of Trainings	80	112	+32
Krishak Sangwari Training	31	31	-
Total No. of Extension Activities	250	300	+50

Quantity of Seeds Produced (q)	500	1000	+500
News Letter (Kisan Mitan)	04	04	-
Kisan mela	06	05	-1

On Farm Testing (OFT) conducted during 2012-13: Considering the land situation, climatic condition of the area, soil charactiristics, socio-cultural and economic condition of the farmers and identified problems related to agriculture and allied sectors of the area, Janjgir-Champa KVK has conducted on farm testing on farmers field to identify best possible technology suitable for area in agriculture and allied sectors. The KVK, Janjgir-Champa has organized the 13 no. of on-farm testing for technology assessment or refinement during 2012 are given below:

ON FARM TESTING (OFT) 2012-13

	Thematic Area	**No. of OFT**
Kharif	Disease Manag.	2
Kharif	Farm machinery	3
Rabi	Nutrient Management	2
Rabi	Pest Management	1
Rabi	Disease Management	1
Rabi	Varietal evaluation	1
Rabi	Farm machinery	1
Rabi	Weed Management	1
Rabi	Others (Mushroom)	1

2.1 Information about OFT conducted during 2012-13:

KVK name	Year/ season	**Problem diagnose**	Category of technology (**Assessment/ Refinement**)	Thematic Area	Crop/ enterprise	Farming Situations	Title of OFT	No. of trials	Results (with parameter) Grain/Seed//Fruit yield (q/ha)		Net Returns (Rs./ha)		Recommendations
									Farmer practice T1	Rec. Tech T2	T1	T2	
KVK, Janjgir-Champa (C.G.)	Kharif, 2012	Blast disease is a serious problem in the Distt. Low yield due to heavy incidence of Neck blast disease and lack of knowledge of suitable fungicide to prevent this disease.	Assessment	Disease Management	Rice	Irrigated	Assessment of Trysiclazole for neck blast disease of rice.	05	40.12	45.0	33,685/	37,994/-	1. Seed treatment by Tricyclazole @ 1 g/kg of sedd 2. Spraying of Tricyclazole @ 0.06% (600mg/Lit. water) at PI stage.
KVK, Janjgir-Champa (C.G.)	Kharif, 2012	Heavy loss due to sheath blight disease and lack of knowledge of suitable chemical fungicide to control the disease.	Assessment	Disease Management	Rice	Irrigated	Assessment of Hexaconazole for sheath blight disease of rice.	05	40.49	45.37	33,357/-	38,485/-	Foliar spray with Hexaconazole @ 1 ml/Lit. water (0.1%) at imitation of disease.
KVK, Janjgir-Champa (C.G.)	Rabi 2012	Lack of knowledge about High yield & high nutritional variety of Oyster mushroom	Assessment	Mushroom production	Mushroom/ only paddy	Irrigated	Yield performance of Oyster mushroom	05	5.60 kg in 10 kg paddy	7.37 kg in 10 kg paddy	424/- in 10 kg paddy straw	664/- in 10 kg paddy straw	High yield & high nutrition quality of oyster

		(*Pleurotus* species) var. Indira sweta.			straw		variety.		straw	straw			mushroom (Pleurotus sp) var. Indira Sweta. & Production tech.
KVK, Janjgir-Champa (C.G.)	Rabi 2012	Collar rot disease is a problem in the dist., Lack of knowledge to identify the collar rot disease and to control by suitable fungicide	Assessment	Disease Management	Chickpea	Irrigated	Evaluation of Propiconazole against collar rot disease of chickpea in rice-based cropping system.	05	11 Q./ha	14Q./ha	19,480/-	27,160/-	Spraying of Propiconazole @ 1 ml/Lit.water (0.1%) can be used to reduce collar rot disease.
KVK, Janjgir-Champa (C.G.)	Kharif, 2012	Due to poor Ttillage practice the field preparation are not good which resulted in poor yield	Assessment	Farm Mechanization	Rice	Irrigated	**Assessment of Tendua Iron Plough for tillage practice**	04	**41.43**	**45.24**	**35577.4**	**40818.6**	Tillage practice with improved BD Tendua Iron Plough
KVK, Janjgir-Champa (C.G.)	Kharif, 2012	**In kharif nearly 60-70 % area covered under direct seeded or lehi method maintaining proper plant population and conservation of water are major constraint**	Assessment	Farm Mechanization	Rice	Irrigated	**Assessment of tractor drawn seed drill for sowing of rice crop**	04	**39.52**	**45.24**	**31109.07**	**38326.67**	Line Sowing with help of TD Seed Cum Fertilizer Drill
KVK, Janjgir-	Kharif, 2012	Low efficiency of weeding, Time and labour	Assessment	Farm Mecha	Rice	Irrigated	**Assessment of Ambika Paddy**	04	41.91	57.30	35763.20	54957	Intercultural operation

Champa (C.G.)		consumption, tedious job.		nizatio n			**Weeder for SRI tech.**						conducted by improved farm implemnts Ambika Paddy Weeder
KVK, Janjgir-Champa (C.G.)	Rabi, 2012	Traditional method of sowing is more seed rate and uneven seed germination	Assessme nt	Farm Mecha nizatio n	Wheat	Irrigated	Assessment of TD Seed Drill + Reaper for Wheat Management	04	20.95	**28.57**	**6473.96**	**12206.0 3**	1. Sowing with help of TD Seed Cum Fertilizer Drill 2. Harvesting by Reaper
KVK, Janjgir-Champa (C.G.)	Rabi 2012	Low yield due to lack of knowledge of high yielding var.	Assessme nt	Variet al evalua tion	Onion	irrigated	Evaluation of high yielding var. of onion.	05	175	209	60700	77000	AFDR is higher yield than local
KVK, Janjgir-Champa (C.G.)	Rabi 12-13	Low yield due to lack knowledge and imbalance of nutrient management	Assessme nt	Nutrie nt manag ement	Chick pea	Irrigated	Assessment of nutrient management in chick pea	06	10.28	14.99	16118	30039	1. 20:50:20 NPK/ha. 2. Foliar spray of 0.2%Urea at flowering stage
KVK, Janjgir-Champa (C.G.)	Rabi 2012	Traditional method of wheat cultivation not proper nutrient management	Assessme nt	INM	Wheat	Irrigated	Assesssment of PSB on Wheat	04	24.44	28.50	12704	16823	4 kg PSB with 150 kg FYM/ha. as a soil application + RDF of NPK
KVK, Janjgir-Champa (C.G.)	Rabi 2012	Lack ot knoledge about the technology for the proper management of insect	Assessme nt	IPM	Chick pea	Irrigated	Assessment of NPV and Pheromon trap for Helicoverpa armigera in chick pea	06	10.32	15.01	16262	30195	HNPV500 L.E. /ha with 25 Pheromon trap /ha

OFT-01

Title	**Assessment of Tricyclazole against Neck blast disease of rice.**
Season & Year	**Kharif-2012**
Problem	**Neck blast causes heavy losses in rice crop.**
Thematic Area	**Disease Management**
Name of Technology	**Assessment of chemical fungicide to control the Neck blast.**
Source of Technology	**IGKV, Raipur**
Farmers Practice (T_1)	**No seed treatment and rarely chemical spray.**
Assessed Rec. Practice (T_2)	**Seed treatment by Tricyclazole @ 1 gm per kg of seed + spraying of Tricyclazole @ 0.06 %(600 mg/ Lit. water) at PI stage.**
No. of Trials (Replication)	**05**

OFT-01: Assessment of Tricyclazole against Neck blast disease of rice.

Treatment	Yield (q ha^{-1})	% change in Yield	Parameter* (No of plants infected/sq m Disease incidence %)	% change in Parameter	Net Income Rs/ha	B:C Ratio**
Farmers practice (T1)	40.12	**12.16**	**5 & 16%**		**33,685/-**	**2.23**
Reccommended practice (T2) Use of Tricyclazole	45.00		**2 & 7%**		**37,994/-**	**2.24**

Recommendations : Tricyclazole reduces the Neck blast Incidence. The yield of paddy performed 45.0 q/ha as against farmers practice 40.12 q/ha.

The percent change in yield is 12.16%. The disease incidence percent is reduced in fungicide applied treatement by 7% as agianist 16% under farmers practice. In the improved practice, the net return was obtained Rs. 37,994/ha.

Farmers Feed back : Now the farmers are aware and convinced that seed treatment and foliar spray of Tricyclazole is a effective measure.

The Tricyclazole evaluated during kharif 12 was found suitable to control the neck blast disease. The OFT was conducted in village Mahant(block-Navagarh) in the fields of farmers :1. Shri Radheshyam Singh 2. Shri Avdhesh singh 3. Shri Ramadhar Kashyap 4. Shri Ramkumar Singh 5. Shri Shambhu singh.

Photographs of OFT-1: Assessment of Tricyclazole against Neck blast disease of rice.

Kharif 2012 Village – Mahant, Block- Navagarh.

OFT 02

Title	**Assessment of Hexaconazole for sheath blight disease in rice.**
Season & Year	**Kharif-2012**
Problem	**Low yield due to incidence of sheath blight disease in rice**
Thematic Area	**Disease Management**
Name of Technology	**Assessment of chemical fungicide to control the sheath blight.**
Source of Technology	**IGKV, Raipur**
Farmers Practice (T_1)	**Chemical fungicides are rarely used due to lack of knowledge of suitable fungicides.**
Assessed Rec. Practice (T_2)	**Use of Hexaconazole @ 1ml /Lit water (0.1 %) can be used to reduce sheath blight incidence in rice.**
No. of Trials (Replication)	**05**

Treatment	**Yield (q ha^{-1})**	**% change in Yield**	**Parameter*** (No of plants infected/sq m Disease incidence %)	**% change in Parameter**	**Net Income Rs/ha**	**B:C Ratio****
Farmers Practice ($T_{1)}$	40.49	**12.05**	**5 & 15%**		**33,357/-**	**2.17**
Reccommended practice (T2) Use of Hexaconazole	45.37		**2 & 8%**		**38,485/-**	**2.25**

Recommendations : First spray of Hexaconazole to suppress the disease. The yield of paddy performed 45.37 q/ha as against farmers practice 40.49 q/ha. In the improved practice, the net return was obtained Rs. 38,485/ha.

The percent change in yield is 12.05%. The disease incidence percent is reduced in fungicide applied treatement by 8% as agianist 15% under farmers practice.

Farmers Feed back : Now the farmers are aware and convinced that the foliar spray of Hexaconazole is a effective measure.

The OFT was conducted in village Mahant(block-Navagarh) in the fields of farmers: 1. Shri Inglesh Singh 2. Shri Mohan Suryavanshi 3. Shri Faguram Kashyap 4. Shri Tribhuvan 5. Shri Bharatlal Kashyap.

Photographs of OFT-2: Assessment of Hexaconazole for sheath blight disease in rice.

Kharif 2012, Village – Mahant, Block- Navagarh.

OFT : 03

Title	**Performance of Oyster mushroom variety.**
Season & Year	**Rabi-2012**
Problem	**Lac of awareness of mushroom-production technique.**
Thematic Area	**Mushroom-cultivation**
Name of Technology	**Introduction of high yielding & high nutrition quality of Oyster mushroom (*Pleurotus* species) var. Indira sweta.**
Source of Technology	**IGKV, Raipur**
Farmers Practice (T_1)	**Low yielder & poor quality mushroom grown by farmers.**
Assessed Rec. Practice (T_2)	**High yield along with high protein content of Oyster Mushroom high yielding variety .**
No. of Trials (Replication)	**05**

Treatment	**Yield ($q\ ha^{-1}$)**	**% change in Yield**	**Parameter*** (Yield)	**% change in Parameter**	**Net Income Rs/ha**	**B:C Ratio****
Farmers Practice (T1)	**5.60kg/10kg paddy straw**	**31.60**			**424/- per 10 kg straw**	**2.0**
Improved practice (T2)	**7.37kg/10kg paddy straw**				**664/-**	**2.61**

Recommendations : Variety Indira sweta performed superior in terms of yield and economic return.

Farmers Feed back : Farmers accepted the variety. The percent change in yield is 31.60%. The net income is Rs. 664/- per 10 kg paddy straw as against Rs. 424/- under farmers practice.

Farmers Feed back : Now the farmers are aware and convinced about the high yielding and highly nutritios variety and advance production technique. The major drawback in mushroom production is its marketting espacially in case of Oyster mushroom.

Mr. Vinod Nemi produced Oyster Mushroom in the large scale. He bought and sold the spawn also and made availability of spawn in large scale for the farmers of the district.The produce was sold in the local vegetable market of Janjgir.

The OFT was conducted in Chitarpara Janjgir (Shri Vinod Nemi), village-Jajang (Smt. Sushila Gabel), Village-Madhua & Janjgir (Shri Kushal Kumar Suryavanshi), Village-Baheradih (Shri Deendyal Yadav), Village-Javalpur (Shri Ramshankar Sahu).

Photographs of OFT-3: Performance of Oyster mushroom variety.

Rabi 2012 Place : Chitarpara, Janjgir

Rabi 2012 Village -Baheradih, Bamhanidih

Rabi 2012 Place : Chitarpara, Janjgir

Sale of Mushroom at Sabji Market, Janjgir

OFT : 04

Title	**Evaluation of Propiconazole against collar rot disease of chickpea in rice-based cropping system.**
Season & Year	**Rabi-2012**
Problem	**Low yield due to incidence of collar rot disease of chickpea.**
Thematic Area	**Disease Management**
Name of Technology	**Assessment of chemical fungicide to control the collar rot of chickpea.**
Source of Technology	**IGKV, Raipur**
Farmers Practice (T_1)	**Chemical fungicides are rarely used due to lack of knowledge of suitable fungicides.**
Assessed Rec. Practice (T_2)	**Use of Propiconazole @ 1ml /Lit water (0.1 %) can be used to reduce collar rot disease.**
No. of Trials (Replication)	**05**

OFT : 04 Evaluation of Propiconazole against collar rot disease of chickpea in rice-based cropping system.

Treatment	Yield ($q\ ha^{-1}$)	% change in Yield	Parameter* (Disease incidence %)	% change in Parameter	Net Income Rs/ha	B:C Ratio**
T_1	11.0	**27**	**21**		**19,480/-**	**2.11**
T_2	14.0		**7**		**27,160/-**	**2.38**

Recommendations : Spray of Propiconazole effectively reduces the incidence of collar rot.

The yield of chickpea performed 14.0 q/ha as against farmers practice 11.0 q/ha. The percent change in yield is 27.0%. The disease incidence percent is reduced in fungicide applied treatement by 7% as agianist 21% under farmers practice. In the improved practice, the net return was obtained Rs. 27,160/ha.

Farmers Feed back : Initially the farmers were not able to identify the disease and the collar rot was misunderstood as wilt. By the intervention of KVK now the farmers are able to identify the disease and agreed to use Propiconazole as best control measure.

The OFT was conducted in village Rasauta (block-Balauda) in the fields of farmers: 1. Shri Kalicharan Narmada 2. Shri Saheblal Anant 3. Shri Kaleshwar Patel 4. Shri Radhe Anant 5. Shri Babloo Kaushik.

OFT : 05

Title	**Assessment of tractor drawn seed drill for sowing of rice crop**
Season & year	**Kharif-**2012
Number of trails	04
Problem diagnose	**In kharif nearly 60-70 % area covered under direct seeded or lehi method maintaining proper plant population and conservation of water are major constraint**
Thematic area	**Farm Mechanization**
Name of Technology	**Tractor drawn seed cum fertilizer drill**
Technology selected	**Line sowing saving with help of TD Seed Cum Fertilizer Drill.**
Source of technology	IGKV, Raipur
Farming situation	Irrigated
Observation/ Parameter	**yield (q/ha), B:C ratio &** Feed back

OFT : 05 Assessment of tractor drawn seed drill for sowing of rice crop

Crop	**Paddy**
Variety	**Swarna**
Method of Sowing	**Line Sowing**
Soil Type	**Kanhar**
Area	**2 ha**
No. of repl.	**04**
Village/block	**Rasoata & Sendri/Baloada & Navagrh**
DOS	**01/07/12**
DOH	**27/11/12**

Treatment	Yield ($q\ ha^{-1}$)	% change in Yield	Parameter* (No. of Tillers)	% change in Parameter	Net Income Rs/ha	B:C Ratio**
T_1	39.52	**9.17**	**310**	**10.14**	**31109**	**2.08**
T_2	45.24		**345**		**38327**	**2.29**

The OFT was conducted at Village Rasota and Sendri Block Baloda and Navagarh with 4 farmers namely 1. **Shri. KaliCharan** 2. **Shri. Kaleshwar Singh Patel** 3. **Shri. Laxmi Patel** 4. **Shri. R. Patel** The OFT was based on Line Sowing package practice. It was new approach and practices for farmers so that they are highly motivated and impressed to adopt such technology in coming year under among district . In the improved practice the net return was obtained Rs. 38326.67/ha.

Recommendations : Sowing with help of TD Seed Drill was accounted 9.17 % more yield as compared to traditional method of rice cultivation

Farmers Feed back : It should be promoted for suitable crop production.

	
Tractor Drwan seed drill in operation	**TD Seed drill in operation at village-Rasota**

OFT : 06

1	**Title**	**Assessment of Ambika Paddy Weeder for SRI tech.**
2	Season & year	**Khrif**-2012
3	Number of trails	04
4	Problem diagnose	**Due to increase in cost of cultivation with special reference to labour and time**
5	Thematic area	**Farm Mechanization**
6	Name of Technology	**Ambika Paddy weeder**
7	Technology selected	**Intercultural operation doing with help of suitable paddy weeder.**
8	Source of technology	IGKV, Raipur
9	**Farming situation**	Irrigated
10	**Observation/ Parameter**	**yield (q/ha), Energy (MJ/ha), B:C ratio &** Feed back

Crop	**Paddy**
Variety	**Mahamaya**
Method of Sowing	**Transplanting**
Soil Type	**Kanhar**
Area	**2 ha**
No. of repl.	**04**
Village/block	**Sendri/ Navagrh**
DOS	**07/07/12**
DOH	**28/11/12**

Treatment	Yield ($q\ ha^{-1}$)	% change in Yield	Parameter* (Energy MJ/ha)	% change in Parameter	Net Income Rs/ha	B:C Ratio**
T_1	41.91	**17.40**	**1433.76**	**41.66**	**35763.20**	**2.23**
T_2	57.30		**836.37**		**54957**	**2.70**

The OFT was conducted at Village Sendri Block Navagarh with 4 farmers namely 1. **Shri. Laxmi Patel** 2. **Shri. Ganga Ram Kashyap** 3. **Shri. Basant Suryawanshi** 4. **Shri. Rameshwar Patel** The OFT was based on Inter Cultural package practice. It was new approach and practices for farmers so that they are highly motivated and impressed to adopt such technology in coming year under among district . In the improved practice the net return was obtained Rs. **54957**/ha.

Recommendations : Ambika Paddy Weeder was accounted 17.40 % more yield as compared to traditional practice of rice cultivation and where as energy saved 41.66 MJ/ha in intercultural operation practice.

Farmers Feed back : : It should be promoted for suitable crop production.


बिलासपुर, शुक्रवार 3 अगस्त 2012 | नईदुनिया 13

कम बीज व पानी में बेहतर उत्पादन

जांजगीर-चांपा।

Ambika paddy in operation condition and taken observation at village- sendri

OFT : 07

1.	**Title**	**Assessment of Tendua Iron Plough for tillage practice**
2.	Season & year	**Kharif-**2012
3.	Number of trails	04
4.	Problem diagnose	Due to poor Ttillage practice the field preparation are not good which resulted in poor yield
5.	Thematic area	**Farm Mechanization**
6.	Name of Technology	**BD Tendua iron plough**
7.	Technology selected	Tillage practice with help of suitable BD plough (Desi Plough).
8.	Source of technology	IGKV, Raipur
9.	**Farming situation**	Irrigated
10.	**Observation/ Parameter**	**Yield (q/ha), Energy (MJ/ha) B:C ratio &** Feed back

Crop	**Paddy**
Variety	**Swarna**
Method of Sowing	**BC**
Soil Type	**Kanhar**
Area	**2 ha**
No. of repl.	**04**
Village/block	**Mahant/Navagrh**
DOS	**05/07/12**
DOH	**30/11/12**

Treatment	**Yield (q ha^{-1})**	**% change in Yield**	**Parameter*** (Energy MJ/ha)	**% change in Parameter**	**Net Income Rs/ha**	**B:C Ratio****
T_1	41.43	**6.53**	**1350**	**8.66**	**40819**	**2.29**
T_2	45.24		**1233**		**35577**	**2.45**

The OFT was conducted at Village Mahant Block Navagarh with 4 farmers were selected for this technology 1. **Shri Ramdhar Kashyap** 2. **Shri Visergen kashyap** 3. **Shri Ram Krishan Kashyap** 4. **Shri Saheb Lal Kashyap** The OFT was based on Tillage practice. In the improved practice the net return was obtained Rs. 40818.6/ha.

Recommendations : Tillage practice with help of BD Tendua Iron Plough was accounted 6.53% more yield as compared to traditional tillage practice and where as obtained 8.66% MJ/ha energy saved with similar crop production of rice cultivation.

Farmers Feed back : : 1. The Beam of plough too short farmers to be want length will be increase.

2. It should be promoted for suitable crop production.

बैल चलित तेंदुआ आयरन हल का प्रदर्शन

खेती एक दिन में दो एकड़ खेत की जुताई, यंत्र पर 50 प्रतिशत अनुदान दे रहा कृषि विभाग

भास्कर न्यूज | जांजगीर

कृषि विज्ञान केन्द्र जांजगीर के वैज्ञानिक समीर शर्मा के मार्गदर्शन में तेंदुआ आयरन हल का प्रदर्शन खरीफ2012 में किया गया है। इसी कड़ी में विकासखंड नवागढ़ के ग्राम महंत में उन्नत शील किसान रामाधार कश्यप, बिसर्जन कश्यप, रामकिशुन कश्यप के खेत में तेंदुआ आयरन हल का प्रदर्शन लगभग दो एकड़ में किया गया।

बैल चलित इस यंत्र के माध्यम से किसान एक दिन में दो एकड़ खेत की जुताई कर सकते हैं। इस यंत्र की कीमत 1 हजार 680 रुपए है। शासन द्वारा किसानों को यह यंत्र 50 प्रतिशत अनुदान पर उपलब्ध कराई जा रही है। ग्राम महंत में यूटीलाइजेशन ऑफ एग्रिमल एनर्जी के परियोजना निदेशक डॉ. दीपक चौधरी, सेंट्रल इंस्टीट्यूट फॉर एग्रीकल्चरल इंजीनियरिंग भोपाल के डॉ. एस. जोगदण्ड, कृषि अभियांत्रिकी इंदिरा गांधी कृषि विश्वविद्यालय रायपुर के कार्यक्रम समन्वयक ए. कुरैशी द्वारा किसानों के खेत का निरीक्षण किया गया। कृषि विज्ञान केन्द्र जांजगीर के समीर शर्मा ने बताया कि छोटे किसान तेंदुआ आयरन हल से खेत की तैयारी करके अधिक उपज ले सकते है। हल के साथ दी गई दांडी भी लोहे की है जिसे खेत की आवश्यकता अनुसार कम-ज्यादा किया जा सकता है। डॉ. दीपक चौधरी ने किसानों को कहा कि बैल चलित यंत्रों की उपयोगिता और महत्व को समझें।

उन्होंने बताया कि किसान अपने क्षेत्रों में इसका निर्माण कर सकते हैं, जिसके लिये किसान प्रशिक्षण ले सकते हैं। डॉ. एस. जोगदण्ड ने कहा कि जिले में किसानों की रुचि उत्तरोत्तर खेती में बढ़ रही है। उन्होंने बताया कि आने वाले समय में पेंडी डूम सिडर चार व आठ कतार धान बुवाई यंत्र का भी किसानों के खेत में प्रदर्शन किया जाएगा। इस मौके पर प्रगतिशील कृषक धनेश कुमार, कृषि विज्ञान केन्द्र के विषय वस्तु विशेषज्ञ शशीकांत सूर्यवंशी और अन्य किसान उपस्थित थे।

हल के संबंध में जानकारी लेते पहुंचे किसान।

OFT : 08

1.	**Title**	**Assessment of TD Seed Drill + Reaper for Wheat Management**
2.	Season & year	**Rabi-**2012
3.	Number of trails	04
4.	Problem diagnose	Traditional method of sowing is more seed rate and uneven seed germination
5.	Thematic area	**Farm Mechanization**
6.	Name of Technology	**TD seed cum fertilizer drill + Reaper**
7.	Technology selected	**Wheat cultivation with improved implements**
8.	Source of technology	IGKV, Raipur
9.	**Farming situation**	Irrigated
10.	**Observation/ Parameter**	**yield (q/h), Yield, B:C ratio &** Feed back

Crop	**Wheat**
Variety	**GW-322**
Method of Sowing	**Line Sowing**
Soil Type	**Kanhar**
Area	**2 ha**
No. of repl.	**04**
Village/block	**Borada/Navagrh**
DOS	**10/01/13**
DOH	**14/04/13**

Treatment	Yield ($q\ ha^{-1}$)	% change in Yield	Parameter* Energy MJ/ha	% change in Parameter	Net Income Rs/ha	B:C Ratio**
T_1	20.95	**12.75**	**1274.47**	**24.43**	**6474**	**1.30**
T_2	28.57		**963.02**		**12206**	**1.49**

The OFT was conducted at Village Borda Block Navagarh with 4 farmers were selected namely 1. **Shri. Saheblal Kashyap** 2. **Shri. Jaleshwar Kashyap** 3. **Shri. Sohan lal kashyap** 4. **Shri. Duryodhan Kashyap** The OFT was based on Sowing + Harvesting package practice. It was new approach and practices for farmers so that they are highly motivated and impressed to adopt such technology in coming year under among district . In the improved practice the net return was obtained Rs. 12206.03/ha.

Recommendations : Sowing and harvesting with help of TD Seed Cum Fertilizer Drill + Self propelled Reaper was accounted 12.75 % more yield and energy was founded 24.43 % saved as compared to traditional practice with similar crop production of Wheat cultivation.

Farmers Feed back : : It should be promoted for suitable crop production.




Distributed Wheat seed GW-322 and training at village –Borda & sowing operation at village-Rasauta

OFT : 09

Title	**Assessment of NPV and Pheromone trap for *Helicoverpa armigera* in chickpea.**
Season & Year	**Rabi-2012**
Problem	Farmers don't know such technology to control the Helicoverpa. **Low yield due to incidence of Helicoverpa in chickpea.**
Thematic Area	**IPM**
Name of Technology	**Assessment of NPV and Pheromone trap**
Source of Technology	**IGKV, Raipur**
Farmers Practice (T_1)	**Farmers don't know such technology.**
Assessed Rec. Practice (T_2)	NPV 500 L.E./ha., 25 Trap /ha.
No. of Trials (Replication)	**06**

OFT : 09

Treatment	**Yield ($q\ ha^{-1}$)**	**% change in Yield**	**Parameter*** No. of Helicoverpa/5 plants and No. of Helicoverpa/ trap (Mean)	**% change in Parameter**	**Net Income Rs/ha**	**B:C Ratio****
T_1	**10.32**	**45.44**	**15**		**16262/-**	**1.91**
T_2	15.01		**5 & 2**		**30195/-**	**2.57**

The OFT was conducted at Village Javalpur, Block Baloda with six farmers namely 1. Shri Harsh Gauraha 2. Shri Omprakash Kashyap 3. Shri Kaval Kashyap 4. Shri Tijram Kashayap 5. Shri Rikhiram Sahu 6. Smt. Gangabai Sahu. The OFT was based on NPV & Pheromone trap technology. It was new approach and practices for farmers so that they are highly motivated and impressed to adopt such technology in coming year. In the improved practice the net return Rs. 30195/ha.

Recommendations : Hnpv 500 LE spray par Ha . And 25 helicoverpa lure Pheromone trap par Ha. In chikpea as early stage of pod bore imitation.

Farmers Feed back : NPV & Pheromone trap found effectively for gram pod borer and farmers want to adopt this type of technology.



Assessment of NPV and Pheromone trap for *Helicoverpa*




कृषक के खेत में परीक्षण फसल चना 2012–13 ग्राम जावलपुर

OFT : 10

Title	**Assessment of high yielding variety of onion.**
Season & Year	**Rabi-2012**
Problem	**Low yield due to lack of knowledge of high yielding variety. Farmers used poor quality seeds.**
Thematic Area	**Varietal assessment**
Name of Technology	**Assessment of high yielding var. of onion.**
Source of Technology	**IGKV, Raipur**
Farmers Practice (T_1)	**Local like N-53**
Assessed Rec. Practice (T_2)	**Agri Found Dark Red (AFDR)**
No. of Trials (Replication)	**05**

Treatment	Yield ($q\ ha^{-1}$)	% change in Yield	Parameter* Pl. Height (cm) Bulb weight (gm)	% change in Parameter	Net In-come Rs/ha	B:C Ratio**
T_1	175	19.42	50 cm, 45g	--	60700/-	2.37
T_2	209		61 cm, 100 g		77000/-	2.59

The OFT was conducted at Village Sukli, Pacheda, Gaud, Sendri and Kanhai Block Navagarh with five farmers namely 1. Shri Lov Kumar 2. Shri Ramasankar Kashyap 3. Shri Laxmi Patel 4. Shri Totaram Kashyap 5. Shri Kaushal Prasad . The OFT was based on varietal assessment . famres are agrred to adopt the new variety AFDR in place of local cultivars. The net profit was found 77000/ha.

Recommendations : Onion variety AFDR accounted is 19.42% higher bulb yield than local.

Farmers Feed back : It should be promoted for suitable variety after harvesting of kharif crop.

OFT : 11

Title	**Assessment of Nutrient Management on Chick Pea.**
Season & Year	**Rabi- 2012-13**
Problem	**Low yield due lake of knowledge and imbalance use of fertilizer.**
Thematic Area	**Nutrient Management**
Name of Technology	**Assessment of Nutrient Management.**
Source of Technology	**IGKV, Raipur**
Farmers Practice (T_1)	**Imbalance application of fertilizer and Not spray of urea solution at Flowering stage.**
Assessed Rec. Practice (T_2)	**Chemical Fertilizer @ 20:50:20 NPK / ha + spraying of 0.2% urea solution at flowering stage.**
No. of Trials (Replication)	**06**

Treatment	**Yield ($q\ ha^{-1}$)**	**% change in Yield**	**Parameter*** (No of pods/plant/sq m	**% change in Parameter**	**Net Income Rs/ha**	**B:C Ratio****
T_1	10.28	**45.82**	**45**		**16,118/-**	**1.90**
T_2	14.99		**68**		**30,039/-**	**2.55**

The OFT was conducted at Village Javalpur, Block Baluda with six farmers namely 1. Shri Ravindra Sahu 2. Narendra Sahu 3. Shri Tukaram Sahu 4. Shri Ramavatar 5. Shri Pusauram Bareth 6. Shri Chandrasen Sahu. The OFT was based on Nutrient management technology. It was new approach and practices for farmers so that they are highly motivated and impressed to adopt such technology in coming year. In the improved practice the net return Rs. 30039/ha.

Recommendations : Assessment of Nutrient management in Chickpea accounted 45.82% as compared to traditional practice with similar crop production of Chickpea cultivation

Farmers Feed back : It should be promoted for suitable crop production and variety are found superior than other variety of Chick Pea.

OFT on Chick pea at village- Jawalpur

1.	**Title**	**Assessment of PSB on Wheat**
2.	Season & year	**Rabi-**2012
3.	Number of trails	04
4.	Problem diagnose	Traditional method of wheat cultivation not proper nutrient management
5.	Thematic area	**INM**
6.	Name of Technology	**PSB culture**
7.	Technology selected	**Wheat cultivation with PSB practice with help of soil application**
8.	Source of technology	IGKV, Raipur
9.	**Farming situation**	Irrigated
10.	**Observation/ Parameter**	**yield (q/h), B:C ratio &** Feed back

Treatment	**Yield (q ha^{-1})**	**% change in Yield**	**Parameter***	**% change in Parameter**	**Net Income Rs/ha**	**B:C Ratio****
T_1	24.44	**16.80**			**12704**	**1.68**
T_2	28.50				**16823**	**1.76**

The OFT was conducted at Village Borda Block Navagarh dist. Janjgir-Champa with four farmers namely 1. Shri Rashan Lal/Kunjbihari

2. Shri Uderam/Ram Lal 3. Shri Shukhnandan/Dularu 4. Shri Vedram/Sihul in the area of 2 acre at was batter experience and practices in comparison with their local practices. It may be good effect in

the soil health if farmer are using bio fertilizer regularly in their soil. In the improved practice the net return Rs. 16823/ha.

Recommendations : Assessment of PSB on Wheat accounted 16.80 % more yield as compared to traditional practice with similar crop production of Wheat cultivation.

Farmers Feed back : It should be promoted for suitable crop production.

Assessment of PSB on Wheat

Economic performance of OFTs:

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP(T_2)	FP (T_1)	RP (T_2)
KVK, Janjgir-Champa (C.G.)	**Assessment of Tricyclazole against Neck blast disease of rice.**	Disease severity %	7%	16%	27,300	30,400	60,985	68,394	33,685	37,994	2.23	2.24
KVK, Janjgir-Champa (C.G.)	**Assessment of Hexaconazole for sheath blight disease in rice.**	Disease severity %	8%	15%	28,200	30,500	61,557	68,965	33,357	38,485	2.17	2.25
KVK, Janjgir-Champa (C.G.)	**Performance of Oyster mushroom variety.**	Yield (in 10 kg paddy straw)	5.60 kg per 10 kg straw	7.37 kg per 10 kg straw	396	412	820	1076	424	664	2.0	2.61

KVK, Janjgir-Champa (C.G.)	**Evaluation of Propiconazole against collar rot disease of chickpea in rice-based cropping system.**	Disease incidence%	7%	21%	17,480/-	19,700/-	36,960/-	46,860/-	19,480/-	27,160/-	2.11	2.38
KVK, Janjgir-Champa (C.G.)	**Assessment of Tendua Iron Plough for tillage practice**	Yield q/ha	**41.43**	**45.24**	**27400**	**27950**	**62977.4**	**68768.6**	**35577.4**	**40818.6**	**2.29**	**2.45**
KVK, Janjgir-Champa (C.G.)	**Assessment of tractor drawn seed drill for sowing of rice crop**	Yield q/ha	**39.52**	**45.24**	**28650**	**29975**	**60081.8**	**68768.6**	**31109.07**	**38326.67**	**2.08**	**2.29**
KVK, Janjgir-Champa (C.G.)	**Assessment of Ambika Paddy Weeder for SRI Tech.**	Yield q/ha	**41.91**	**57.30**	**27940**	**32139**	**63703.20**	**87096**	**35763.20**	**54957**	**2.23**	**2.70**

KVK, Janjgir-Champa (C.G.)	**Assessment of TD Seed Drill + Reaper for Wheat Management**	Yield q/ha	**20.95**	**28.57**	**20450**	**24500**	**26923.96**	**36706.03**	**6473.96**	**12206.03**	**1.30**	**1.49**
	Evaluation of high yielding var. of onion.	Y ield Q/h. Plant height Bulb periferi(cm)	158 52 8.0	131 40 5.9								
KVK, Janjgir-Champa (C.G.)	Assessment of nutrient management in chick pea	Yield q/ha	14.99	10.28	17817	19433	33935	49473 -	16118	30039	1.90	2.55
KVK, Janjgir-Champa (C.G.)	Assessment of PSB on Wheat	Yield q/ha	28.50	24.44	18650	19800	31354	36622	12704	16823	1.68	1.76
KVK, Janjgir-Champa (C.G.)	Assessment of NPV and pheromone trap for Helicoverpa armigera in Chick pea	Yield q/ha	15.01	10.32	17783	19333	34045	49528	16262	30195	1.91	2.57

Front Line Demonstration (FLD) conducted during 2012-13:

Various proven and assured technologies of agriculture and allied sectors are disseminated to the farming community through front line demonstrations conducted by the KVK. The important FLDs conducted during 2012-13 are:

	Crop	No. of Demo	Area ha	No. of bene.	Yield (Local check)	Average yield Demo. q/ha	% increase in yield
1. Oilseed	**Sesame**	**8**	**5**	**8**	**5.0**	**7.0**	**40**
	Mustard	**16**	**5**	**16**	**9.86**	**14.77**	**49.79**
	Safflower	**10**	**3.2**	**10**	**8.00**	**11.93**	**49.13**
2. Pulses	**Pigeon pea**	**13**	**5**	**13**	**9.0**	**13.0**	**44.44**
	Chick pea	**13**	**5**	**13**	**9.68**	**12.86**	**32.85**
3. Cereal	**Rice**	**14**	**5**	**14**	**38.20**	**43.19**	**13.06**
	Wheat	**12**	**5**	**12**	**22.86**	**33.39**	**14.74**

- The FLD during kharif and rabi 2012-13 were successfully conducted. The total area of FLD were 33.2 ha and the no. of benificiaries were 86. The FLD on Pegion pea was taken in in Villages Goud and Dhurkot (Block-Navagarh) during kharif 2012 with 13 farmers. Average yield was 13.0 q/ha. FLD based on the Improved variety Rajeevlochan with high yield. The farmers are interested to grow such variety in large scale to the next year. The FLD was taken in Wheat crop at Village Sendri, Block Navagarh with 12 farmers. Average yield was 33.39 q/ha. FLD based on balance fertilization with seed drill due to this technical approach the farmers are eager to except our technology for enhancing the productivity. Next year farmers are highly motivated for another crops for demonstration. The FLD on Mustard was conducted at village Dhoorkot, Pendri, Block Navagarh, Baheradih, Block Baloda. The FLD on Chick pea was conducted at village Gaud and Borda (3 Acre) Block Navagarh and Ghanwa,(10 Acre) Block Akaltara. The FLD on Safflower was conducted at village Rasauta,(3 Acre) Block Baloda and Bhadora,(5 Acre) Block Malkhroda.

Feed back of FLDs:

- Crop Pigeon pea variety Rajivlochan performing well and gave 44 % higher yield.
- 'Chandrahasini' is not performed well.
- Needs Stem borer resistant variety of Paddy.
- Sowing with the help of seed drill accounted 15-26% more wheat yield as compared to traditional method of sowing.
- Mustard variety Pusa bold performing well and higher seed yield.

Seed Production conducted by KVK in farmers' field during 2012-13: The KVK has selected 134 farmers for production of quality seed materials which were sold out from Indira Gandhi Krishi Vishwavidyalaya, Raipur and C.G. State Beej Nigum, Janjgir.

Crop	Variety	Area under seed production (ha)	No. of beneficiaries	Average Yield Q/ha	Total seed production (q.)
Pigeon Pea	Rajeevlochan	08	18	10.30	185.85
Wheat	GW322	25	56	25.62	640.50
Chick pea	Vaibhav	15	38	11.43	171.45
Mustard	Laxmi	10	22	11.28	112.80
Grand Total		58	134		1110.60

The Seed production programme of pegion pea was conducted at villages Goud and Dhurkot (Block-Navagarh) during kharif 2012. The variety Rajeevlochan performed well and farmers were satisfied and eager to grow in large scale. The seed production programme of Chickpea, Wheat, Mustard during Rabi 2012-13 were conducted in the villages Jawalpur, Mehnda, Ghanwa, Dhurkot, Mauhadih, Lakhurri, Bhilai, Pendri, Kamta, Borda and Sendri.

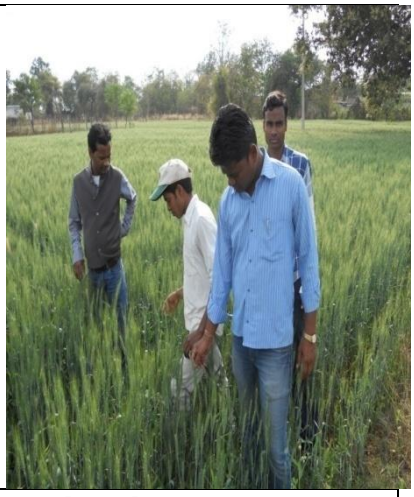
Feed Back : Chick pea variety Vaibhav performed well as compare to local var. The size of grain was bold. In case of Wheat variety GW 322 was observed higher in yield in timely and late sown condition. Where as Mustard Var. Laxmi was found smaller in grain size, low yield and short plant ht. than variety Pusa bold.

Seed production programme of **Pigeon pea** at village **Dhurkot.**

Farmers visited Seed production field (**Pigeon pea**) under RKVY at village **Goud.**

Seed treatment with fungicide and Rhizobium culture under Chickpea seed production for the farmers of Ghanwa and Tilai (Block-Akaltara).

Seed production programme Mustard (RKVY) at village Dhurkot (Block-Navagarh) on 12.02.13.



Seed production programme Wheat (RKVY) at village-Pendri (Block-Navagarh) on 12.02.13.

Training programmes conducted during 2012-13:

Training has been viewed as one of the most important things now a days. It's provide approach a practice than a concepts. It helps in dissemination ,developing and strengthening capabilities for better adoption of technology. The broad based need to take a holistic approach in improving the production, Productivity and income of farmers . The development of agriculture is highly dependent on the effectiveness of agricultural extension. Now a day several well defined extension approaches and systems of agricultural development have been practiced. However, no single approach system has been found to universally suitable.

The total number of trainings including farmers training, Krishak sangwari training, RAEO training conducted during 2012-13 are 112, which were organized by KVK Janjgir-Champa in different villages of all nine blocks of the dristrict as well as in KVK campus. The farmers have been trained in various apect of agriculture such as Plant protection, Farm Machinery, crop production, Horticulture, soil science, Mushroom production etc. The total number of participants were 3777 in part A (Farmers and farm women, Rural youths, In-Service Personnel, Vocational training and Sponsored/Collaborative). In case of part B (Krishak Sangwari) total no. of benificiries were 1036 of nine blocks of which are Navagarh, Pamgarh, Balauda, Bamhanidih, Akaltara, Sakti, Jaijaipur, Malkhroda and Dabhara. All these trainings were conducted either solely or accompanied with other departments, like State department of Agriculture, AE, Bilaspur, KRIBHCO, IFFCO, Mahindra tractors, NABARD, Pvt. NGOs, distt. Administration etc.

Feed back: The farmers were more interested to know about leaf blast and neck blast, BLB, false smut, stem borer, BPH in rice as well as wilt of tomato and brinjal. They query about disease and insect resistant high yielding varieties of rice. Farmers are required service and repairing centre needed according district. Mushroom spawn production leboretory **,** Soil testing leboretory, Vermi compost, Nadep compost production at KVK, Green house and Polyshed are needed by farmers.

Detail s of KVK training according to diciplene wise were conducted during year 2012-13:-

On-campus + Off campus

	Crop production	Horticulture	Livestock	Plant Protection	Home Science	Water Managment	Agril. Engg.
No. of course	**12**	**14**	**-**	**30**	**-**	**-**	**24**
No. of participants	**435**	**608**	**-**	**1489**	**-**	**-**	**1100**
K. Sangwari	**04**	**06**	**-**	**10**	**-**	**-**	**11**

TRAININGS CONDUCTED DURING 2012-13 (Part- A)

Particulars	No. of Courses	Total Duration (days)	Participants						
			Male			Female			Total
			SC	ST	Others	SC	ST	Others	
Farmers and Farm Women	**78**	**78**	**551**	**360**	**1888**	**145**	**84**	**510**	**3538**
Rural Youths	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
In-Service Personnel	**03**	**03**	**29**	**14**	**95**	**2**	**-**	**5**	**145**
Vocational Training	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Sponsored/ Collaborative	**02**	**04**	**26**	**11**	**57**	**-**	**-**	**-**	**94**
Grand Total	**83**	**85**	**606**	**385**	**2040**	**147**	**84**	**515**	**3777**

TRAININGS CONDUCTED DURING 2012-13 (Part- B) Krishak Sangwari

Sr. No.	Particulars	Benifeshries
1.	**Number of training**	31
2.	**Total nomber of Krishak Sanwari**	1036
3.	**ST**	102
4.	**SC**	207
5.	**General**	117

6.	**OBC**	610
7.	**Female**	14
8.	**Male**	1022
	Total	**1036**

Total No. of training (Part A + Part B) = 83 + 31 =114

Total No. of benificries (Part A + Part B) = 3777+1036 = 4813

List of diffirent training activities conducted in the district in month wise 2012-13

TRAININGS CONDUCTED DURING 2012-13

Training Apri- May 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training on Plant Protection dated 23.4.12 at vill.-Avreed (Block.-Navagarh).	25	05	30	State Govt. (Gram Suraj duty)
2.	Farmers training on FIM dated 23.4.12 at vill.-Pipersatti (Block.-Akaltara).	22	0	22	State Govt. (Gram Suraj duty)
3.	Farmers training on Plant Protection dated 24.4.12 at vill.- Dahida (Block.-Navagarh).	33	0	33	State Govt. (Gram Suraj duty)
4	Farmers training on FIM dated 24.4.12 at vill.- Arjuni (Block.-Akaltara).	20	9	29	State Govt. (Gram Suraj duty)
5	Farmers training on Plant Protection dated 25.4.12 at vill.-Misda (Block.-Navagarh).	25	0	25	State Govt. (Gram Suraj duty)
6	Farmers training on FIM dated 25.4.12 at vill.-Kotmisonar (Block.-Akaltara).	31	05	36	State Govt. (Gram Suraj duty)
7	Farmers training on Mushroom-cultivation dated 26.4.12 at vill.-Pithampur (Block.-Navagarh).	30	10	40	State Govt. (Gram Suraj duty)
8	Farmers training on FIM dated 26.4.12 at vill.-Kirari (Block.-Akaltara).	34	0	34	State Govt. (Gram Suraj duty)
9	Farmers training on Plant Protection dated 27.4.12 at vill.-Borda (Block.-Navagarh).	35	0	35	State Govt. (Gram Suraj duty)
10	Farmers training on FIM dated 27.4.12 at vill.- Podidalha (Block.-Akaltara).	29	0	29	State Govt. (Gram Suraj duty)

11	Farmers training on Crop production & Plant Protection for kharif crops dated 14.5.12	100	0	100	KVK, Janjgir-Champa

Training May – June 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training on Crop production & Plant Protection for kharif crops dated 05.06.12 (ATMA)	31	0	31	KVK, Janjgir-Champa
2.	Farmers training on Crop production & Plant Protection for kharif crops dated 20.06.12 Vill. Rasouta	24	0	24	KVK, Janjgir-Champa
3.	Training on Plant Protection & Crop production in Kisan Sammelan at Janjgir dated 13/06/12	600	0	600	Dept of Agriculture, Janjgir

Training June- July 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training on Plant Protection for kharif crops regarding FLD dated 23.06.12 vill. Akaltari (Navagarh)	24	02	26	KVK, Janjgir-Champa
2.	Farmers training on Seed treatment, Plant Protection & FIM for kharif crops dated 26.06.12 Vill. Mahant (Navagarh)	29	0	29	KVK, Janjgir-Champa
3.	Farmers training on Plant Protection for kharif crops regarding FLD dated 28.06.12 Vill. Goud (Navagarh)	27	0	27	KVK, Janjgir-Champa
4.	Farmers training on Crop production & Plant Protection for kharif crops dated 30.06.12	08	0	08	KVK, Janjgir-Champa
5.	Krishak Sangwari Training on Kharif 2012 dated 16.7.12 Under ATMA (Block-Sakti, Jaijaipur)	67	3	70	RKVY
6.	Krishak Sangwari Training on Kharif 2012 dated 17.7.12 Under ATMA (Block-Malkharauda, Dabhra)	70	0	70	RKVY
7.	Krishak Sangwari Training on Kharif 2012 dated 18.7.12 Under ATMA (Block-Akaltara, Pamgarh)	49	2	51	RKVY
8.	Krishak Sangwari Training on Kharif 2012 dated 20.7.12 Under ATMA (Block-Bamhanidih, Navagarh))	87	0	87	RKVY

Training July- August 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Krishak Sangwari Training on Kharif 2012 dated 21.7.12 Under ATMA (Block-Balauda))	29	01	30	RKVY
2.	Farmers training on Plant Protection on dated 26.7.12 at village Gaud (Block-Navagarh).	26	0	26	KVK

Training August- September 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training on Crop production on 24.8.12 at Pamgarh.	50	10	60	Dept. of Agril.
2.	Krishak Sangwari Training on Kharif 2012 on 25.8.12 ATMA (Block-Navagarh) at KVK.	54	0	54	KVK / RKVY
3	Krishak Sangwari Training on Kharif 2012 on 27.8.12 ATMA (Block-Bamhnidih) at KVK	41	0	41	KVK / RKVY
4	Krishak Sangwari Training on Kharif 2012 on 28.8.12 ATMA (Block-Jaijaipur) at KVK	28	0	28	KVK
5	Farmers training (Block – Pamgarh) on Kharif 2012 on 29.8.12 at KVK.	53	02	55	KVK / RKVY
6	Krishak Sangwari Training on Kharif 2012 on 30.8.12 ATMA (Block-Akaltara) at KVK.	47	01	48	KVK / RKVY
7	Krishak Sangwari Training on Kharif 2012 on 31.8.12 ATMA (Block- Balauda) at KVK.	35	0	35	KVK / RKVY
8	Krishak Sangwari Training on Kharif 2012 on 01.9.12 ATMA (Block-Dabhara) at KVK.	36	0	36	KVK / RKVY
9	Krishak Sangwari Training on Kharif 2012 on 3.9.12 ATMA (Block-Malkhrouda) at KVK.	22	0	22	KVK / RKVY
10	Krishak Sangwari Training on Kharif 2012 on 4.9.12 ATMA (Block- Sakti) at KVK	33	08	41	KVK / RKVY
11	Farmers training on Kharif Crops on 08/09/12	38	0	38	BMFC/ Agril. Depart.

12	Farmers training on Kharif Crops on 09/09/12	40	03	43	BMFC/ Agril. Depart.
13	Farmers training on Kharif Crops on 10/09/12	35	0	35	BMFC/ Agril. Depart.
14	Farmers training on Kharif Crops on 11/09/12	32	0	32	BMFC/ Agril. Depart.
15	Farmers training on FIM, Diseases, Insect pest, crop production & Horticulture on 12.9.12 at KVK.	34	06	40	CHDP Mission hospital Champa (NGO).
16	Farmers training on Kharif Crops on 13/09/12	40	0	40	BMFC/ Agril. Depart.
17	Farmers training on FIM, Diseases, Insect pest, crop production & Horticulture on13.9.12 at KVK.	36	04	40	CHDP Mission hospital Champa (NGO).
18	Farmers training on Diseases & Insect pest of kharif crops at village Birra (Bamhanideh) on 14/09/12	40	0	40	BMFC/ Agril. Depart.
19	Farmers training on Diseases & Insect pest of kharif crops at Sakti on 14/09/12	40	5	45	BMFC/ Agril. Depart.
20	Farmers training on Diseases of kharif crops at village Bamhanideh on 15/09/12	45	8	53	BMFC/ Agril. Depart.
21	Farmers training on Diseases of Paddy at village Choriya on 15/09/12	60	0	60	BMFC/ Agril. Depart.
22	Farmers training on CP, PP and FIM on the occasion of Thakur Chhedilal Barister Samaroh Krishak Sangoshthi on 20.9.12.	70	20	90	Jila Prashasan, Janjgir

Training September-October 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training on Diseases of Kharif crops, Crop production & INM (Seed production programme, Arhar) on 21.9.12 at village Goud (Block-Navagarh).	60	0	60	KVK / RKVY
2.	Farmers training on Diseases of Kharif crops, Crop production & INM (Seed production programme, Arhar) on 25.9.12 at village Dhurkot (Block-Navagarh).	55	05	60	KVK / RKVY
3.	Farmers training on Kharif crops (Crop production, Soil management & diseases of paddy) at village Karmanda (Block-Balauda) on dated 29.09.12.	40	0	40	RKVY (BMFC)
4.	Farmers training on Kharif crops (FIM & diseases of paddy and vagetables) at village Kireet (Block-Navagarh) on dated	40	0	40	FFS

	29.09.12.				
5.	Farmers training on Kharif crops at KVK from 11-12 Oct. 2012 .	50	05	55	ATMA
6.	Farmers training on Kharif crops (FIM, INM & diseases of Kharif crops) at village Jogidipa (Block-Pamgarh) on dated 16.10.12.	38	10	48	NFSM

Training October –November 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Krishak Sangwari Training on Rabi 2012 on 31.10.12 ATMA (Block-Navagarh) at KVK.	30	0	30	KVK / RKVY
2.	Krishak Sangwari Training on Rabi 2012 on 02.11.12 ATMA (Block-Bamhnidih) at KVK	40	0	40	KVK / RKVY
3	Krishak Sangwari Training on Rabi 2012 on 03.11.12 ATMA (Block-Jaijaipur) at KVK	24	0	24	KVK / RKVY
4	Farmers training (Block – Pamgarh) on Rabi 2012 on 05.11.12 at KVK.	30	0	30	KVK /RKVY
5	Krishak Sangwari Training on Rabi 2012 on 06.11.12 ATMA (Block-Akaltara) at KVK.	34	1	35	KVK / RKVY
6	Krishak Sangwari Training on Rabi 2012 on 07.11.12 ATMA (Block- Balauda) at KVK.	35	2	37	KVK / RKVY
7	Krishak Sangwari Training on Rabi 2012 on 08.11.12 ATMA (Block-Dabhara) at KVK.	45	0	45	KVK / RKVY
8	Krishak Sangwari Training on Rabi 2012 on 08.11.12 ATMA (Block-Malkhroda) at KVK.	39	0	39	KVK / RKVY
9	Krishak Sangwari Training on Rabi 2012 on 09.11.12 ATMA (Block- Sakti) at KVK	25	2	27	KVK / RKVY
10	Farmers training on Diseases of Kharif crops on dated 21.10.12 at village Sandari.	40	0	40	Agril. Dept.
11	Farmers training on Diseases of Kharif crops on dated 31.10.12 at village Navagarh.	34	06	40	ATMA

12	Farmer training for seed production programme at Village Javalpur (Baloda) on dated 20.11.12 .	25	15	40	KVK

Training November- December 12

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training of rabi crops vill. Borda (Navagrh) on dated 23.11.12.	18	22	40	KVK, Janjgir-Champa
2.	Farmers training of rabi crops vill. Sukali dated 29.11.12.	26	09	35	KVK, Janjgir-Champa
3	Farmers training in rabi crops in Goud (Navagarh) on 1.12.12.	31	0	31	KVK, Janjgir-Champa
4	Farmers training in seed production in Ghanwa (Akaltara) on 13.12.12.	89	12	101	RKVY / KVK
5	Farmers training of rabi crops vill. Baheradih (Bamhanidih) on dated 17.12.12.	15	10	25	KVK, Janjgir-Champa
6	Farmers training of rabi crops vill. Lakhurri (Bamhanidih) on dated 17.12.12.	17	11	28	KVK, Janjgir-Champa

Training December- January 12-13

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training of rabi crops block-Jaijaipur on dated 22.12.12. at administrative office of KVK	29	0	29	RKVY / ATMA
	Farmers training of rabi crops block-Jaijaipur on dated 24.12.12. at administrative office of KVK	33	0	33	RKVY / ATMA
2.	Training of RAEO blocks Navagarh, Sakti & Malkhrauda rabi crops on dated 08.01.13.	49	03	52	KVK, Janjgir-Champa
3.	Training of RAEO blocks Akaltara, Bamhnidih & Jaijaipur rabi crops on dated 09.01.13.	45	03	48	KVK, Janjgir-Champa
4.	Training of RAEO blocks Pamgarh, Balauda & Dabhra rabi crops on dated 10.01.13.	44	01	45	KVK, Janjgir-Champa
5.	Farmers training on seed production of rabi crops vill. Bhadora (Malkharaoda) on dated 10.01.13.	42	01	43	RKVY / ATMA
6.	Farmers training of rabi crops vill. Tendua (Navagarh) on dated 16.01.13.	38	0	38	RKVY / ATMA

7.	Krishak Sangosti at Pamgarh on dated 17.01.13	45	0	45	RKVY / ATMA

Training January- February 13

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Farmers training of Rabi crops block-Navagarh on dated 01.02.13 at Sukali & Pachedi	10	10	20	KVK, Janjgir-Champa
2.	Farmers training of rabi crops block-Baloda on dated 07.02.13. at Jawalpur	20	15	35	RKVY / ATMA
3.	Farmers traing of organic Farming block-Bamnhidih on dated 09.02.13 at Champa	50	50	100	Mishan Hospital, Champa
4.	Farmers training on Soil testing block-Nawagarh on dated 13.02.13 at Kuthur	20	15	35	KVK, Janjgir-Champa
5.	Farmers training on Soil testing block-Baloda on dated 14.02.13 at Jawalpur	50	20	70	KVK, Janjgir-Champa
6.	Farmers training on Soil testing block-Pamgarh on dated 15.02.13 at Mehandi	30	20	50	KVK, Janjgir-Champa
7.	Farmers training on Soil testing block-Jaijaipur on dated 16.02.13 at Ghivra	25	15	40	KVK, Janjgir-Champa
8.	Farmers training on Soil testing block-Nawagarh on dated 18.02.13 at Misada	20	20	40	KVK, Janjgir-Champa
9.	Farmers training on Soil testing block-Pamgarh on dated 19.02.13 at Dongakahrod	20	20	40	KVK, Janjgir-Champa

Training February-March 2013

S. No.	Title	No. of beneficiaries			KVK / Sponsored Training
		Male	Female	Total	
1.	Krishak Sangwari Training (ATMA) Rabi 2012 on 27.02.13 (Block-Navagarh) at KVK	39	0	39	KVK/RKVY
2.	Krishak Sangwari Training (ATMA) Rabi 2012 on 28.02.13 (Block-Bamhnidih) at KVK	20	0	20	KVK/RKVY
3.	Krishak Sangwari Training (ATMA) Rabi 2012 on 01.03.13 (Block-Jaijaipur) at KVK	30	0	30	KVK/RKVY
4.	Krishak Sangwari Training (ATMA) Rabi 2012 on 02.03.13 (Block-	27	0	27	KVK/RKVY

	Pamgarh) at KVK				
5.	Krishak Sangwari Training (ATMA) Rabi 2012 on 04.03.13 (Block-Akaltara) at KVK	38	1	39	KVK/RKVY
6.	Krishak Sangwari Training (ATMA) Rabi 2012 on 05.03.13 (Block-Baloda) at KVK	42	0	42	KVK/RKVY
7.	Krishak Sangwari Training (ATMA) Rabi 2012 on 06.03.13 (Block-Dabhara) at KVK	47	1	48	KVK/RKVY
8.	Farmer training on Mushroom cultivation, Vill.-Amoda (Block-Navagarh) on 06.03.13 at KVK	38	2	40	KVK
9.	Krishak Sangwari Training (ATMA) Rabi 2012 on 07.03.13 (Block-Malkhroda) at KVK	36	0	36	KVK/RKVY
10.	Krishak Sangwari Training (ATMA) Rabi 2012 on 08.03.13 (Block-Sakti) at KVK	31	1	32	KVK/RKVY
11.	Farmer training on Diseases of Rabi crops at Vill.-Dharashiv (Block-Navagarh) on 08.03.13.	36	4	40	KVK/Agril dept.
12.	Farmer training on Disease management of Rabi crops at Vill.-Pacheda (Block-Navagarh), on 09.03.13.	37	3	40	KVK/ Agril dept.
13.	Farmer training on Krishi Machinery on dated 11th to 12th March 2013 at KVK.	60	0	60	Department of Agrl. Engineering /KVK
14.	Farmer training on Disease management of Rabi crops & organic farming at vill-Bamhnidih (Block-Bamhnidih) on 14.03.13.	41	0	41	KVK
15.	Farmer training on Rabi crops at vill-Pamgarh (Block-Pamgarh) on 17.03.13.	40	0	40	Agril. Dept.
16.	Farmer training for seed production programme at village Borda (Navagarh)	90	15	105	KVK

	on dated 19.03.13				
17.	Farmer training for “Climate change in Chhattisgarh” on dated 20.03.13	195	6	201	Meteorology department, IGKV /KVK

Farmers training at village Goud (Block-Navagarh) on 1.12.12

Farmers training (NFSM) at village Jogidipa (Block-Pamgarh)

Farmers training under ATMA at KVK (Block-Pamgarh) on 23.03.2013

Krishi Mashiniry training programme at Pamgarh on dated 20- 21st March-2013

Farmers awareness programme on dated 20-3-13 at Pamgarh

Krishi Mashinary training programme at KVK on dated 11th & 12th March-2013

Krishak Sangoshthi at village Khokhsa (16.10.12) under ATMA

Farmers training at KVK from 12.9.12 & 13.9.12

RAEOs training at KVK

Field visit by Dr. S.R.K.Singh, Sr. Sc. ZPD,Zone-VIIth of paddy transplanted by paddy transplanter 21st March-2013

Farmers Field visits by KVK Scientists

Monthly workshop at KVK on 28/2/13

Monthly workshop at KVK on 15/3/13

Crop Cafetaria at KVK, Janjgir-Champa

An Innovative crop museum has been evolved in KVK farm land to exhibit suitable and effective technology and their demonstrations to the farmers. Infront of the KVK administrative building and the area near to road one ha. land selected for this purpose in which ten varieties of each crop in crop category viz **Cereals, pulses and Oilseeds** ware taken and at the KVK entrance the at adjoining area ware covered by improved varieties of **seasonal vegetables**. In addition the permanate crop cafeteria of **Mushroom** (in Mushroom-hut) has been developed beside the KVK building.

The man intervention in crop museum to exhibit ware to demonstrate suitability of the crop for the area, improved varieties HYV of hybrids, methods of sowing, improved method of seed bad preparation, Organic manuring, pest and disease management, use of mechanical and biological measures. Use of various improved implement for various intercultural operations. The details of the crop cafeteria are as follows :

Crop Cafeteria at KVK Farm – Area 01 ha.
Field Crops (Kharif 2012)

Sr. No.	**Crops**	**Name of Varieties**
Kharif 2012 (Crop Cafeteria):		
A.	**Horticulture:- Incharge -Nitin Kumar Toorray**	
i.	**Vegetable-cultivation Kharif 2012 (NITIN KUMAR TOORRAY)**	
1.	Lady finger	Pusa A-4, Arka Anamika, Selection -7, local Var.
2.	Tomato	Pusa Rubi, Selection-22 , Pusa early dwarf,
3.	Brinjal	Pusa purple long, pusa kranti, Muktakeshi, Pusa purple cluster
4.	Cauli flower	Pusa Kartik, Kunwari
5.	Radish	Pusa Chetki & other
6.	Chilli	Pusa Jwala & Other
7	Gwar phalli	Pusa Navbahar
8	Cabbage	Pusa varieties
9	Bittergourd	
10	Longgourd	
11	Kundru	
12	Beans(Black & White both)	
13	Phaseolus	
14	Papaya	Pusa Nanha, Pusa dwarf
15	Munga	
ii. **Mushroom Cultivation (NITIN KUMAR TOORRAY)**		
Oyster Mushroom is being cultivated at KVK mushroom-hut.		*Pleurotus* spp.
B. Incharge:-Ashutosh Shrivastava		
1.	Mango	Amrapali, Dashhehari, Chausa, Langra, Mallika, Alphanso

2.	Lemon	Kagzi lime
Cereals:- Incharge ASHUTOSH SHRIVASTAVA		
1.	Rice	MTU1010, Shyamla, Danteshwari, Indira Sona, 6444, Jaldubi, Chandrahasini, Karma Masuri, Mahamaya, Indira Sugandhit dhan-1, Swarna, Pusa Basmati, Dubraj, Vishnubhog, Shyam jeera,
A. Crop cafeteria Pulse:- Incharge- SAMIR SHANTAIYA		
1.	Arhar	Rajeevlochan, Asha, BDN-2, Upas-120& JKM- 189.
	Soyabean	Birsa-Soya-1, NRC-37, JS-93-5, RAUS-5, JS-335.

Field Crops (Rabi)

Sr. No.	**Crops**	**Name of Varieties**
Rabi 2012-13 (Crop Cafeteria): 01 ha.		
C. Horticulture:- Incharge –Smt. Savita Rajput		
Vegetable-cultivation and Floriculture		
Methi, Palak, Corianders, Lalbhaji, Chaulaibhaji, Sugar Bite, Tomato, Pea, Pumking Bottele gourd, bitter gourd, Cucumber, Water Melon, Musk Melon, Okra, Cowpea, Cluster bean, Marigold, Cosmos, Poppy, Calendula & other flowers.		
B. Agronomy – Wheat, Gram, Mustard, Safflower, maize, Sunflower,Black gram, Green gram- Shri Shashi Kant Suryavanshi		
C.**Mushroom cultivation at KVK Farm Rabi 2012-13 -Shri Nitin Kumar Toorray**		

Photo Crop Cafeteria- Vegetable -cultivation (Kh.-2012)

Photo Crop Cafeteria (Kh.-2012)

Crop Cafeteria- Mushroom-cultivation in KVK (rabi 2012).

Crop Cafeteria- vegetable-cultivation in KVK (rabi 2012).

Extension activities conducted during 2012-13: The extension activities conducted by KVK Janjgir-Champa were Field day, kisan mela ,kisan ghosthi, exhibition, film show ,method demonstrations, farmers seminar, workshop ,group meetings, lectures delivered, as resource persons ,newspaper coverage, radio talks, TV talks, popular article, extension literature, advisory services ,scientific visit to farmers field, farmers visit to KVK ,diagnostic visits & exposure visits were organized/participated which are given below **:**

Details of SAC Meeting

KVK Name	**Date of SAC meeting**	**No. of SAC members attended**	**Major recommendations**
KVK, Janjgir-Champa (C.G.)	26 May, 2012	28	Training on improved cultivation practices of oilseeds, pulses, cereals, & vegetables. Promotion of intercropping of crops against sole cropping. Promotion of use of organic source of nutrients. Promotion of improved Farm Implements and Plant Protection. Training of mushroom cultivation and water mgmt. Promotion of seed treatment before sowing.

Extension Activities		
	No	Participants/ beneficiary
Field Days	1	80
Kisan Mela	05	2330
Kisan Gosthi/ Farmers Meeting	07	1117
Ex- trainees Meet	01	20
Diagnostic Visit to farmers Fields	10	90
Farmers Visit to KVK	500	1250
Exhibitions	08	2500
Film Shows	25	700
Radio Programmes	04	Mass
TV talks	04	04
Animal Health Camp	00	00
News Letter	04	Mass
Soil Sample Tested	04	08
Others (Gram Suraj Abhiyan)	11	413

विकासखण्ड स्तरीय किसान मेला

दिनांक 26/10/2012 **स्थलः ग्राम मेंहदा, विकासखण्ड नवागढ़**

दिनांक 26/10/12 को कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा (छ.ग.) द्वारा एक दिवसीय विकासखण्ड स्तरीय किसान मेला एवं कृषक संगोष्ठी का आयोजन ग्राम मेंहदा विकासखण्ड नवागढ़ में किया गया । जिसमें मेंहदा, सेन्दरी, कुथुर, मुनुन्द, भड़ेसर आदि ग्रामों के लगभग 300 कृषकों ने प्रशिक्षण प्राप्त किया । इस प्रशिक्षण में कृषि विज्ञान केन्द्र एवं कृषि महाविद्यालय, जांजगीर के विभिन्न वैज्ञानिकों द्वारा कृषकों को आधुनिक कृषि पद्धतियों एवं रबी फसलों की तैयारी से संबंधित विस्तारपूर्वक जानकारी दी गई । इस अवसर पर ग्राम मेंहदा में मुख्य अतिथि के रूप में ग्राम पंचायत मेंहदा के सरपंच **श्रीमति अम्बिका साहू उपस्थित थी** । कार्यक्रम समन्वयक डॉ. सतीश कुमार वर्मा, विषय वस्तु विशेषज्ञ श्री नितिन कुमार तुर्रे, इंजिनियर समीर शान्तैया, श्री शशिकांत सूर्यवंशी, डॉ. दुष्यंत कुमार कौशिक, श्री के. डी. महंत एवं श्रीमति सविता राजपूत तथा कृषि महाविद्यालय, जांजगीर से सहायक प्राध्यापक, श्री अंगद सिंह राजपूत, श्री आनंद चौबे, ग्रामीण कृषि विस्तार अधिकारी श्री एस. के. तिवारी तथा सहित वैज्ञानिकों ने कृषकों को प्रशिक्षण दिया ।

दिनांक 26/10/2012 को आयोजित विकासखण्ड स्तरीय किसान मेला में उपस्थित कृषकों को सम्बोधित करते हुए कृषि विज्ञान केन्द्र के वैज्ञानिकगण

जिला स्तरीय किसान मेला (खरीफ 2012)

दिनांक 05/11/201 **स्थल : हाई स्कूल मैदान, जांजगीर**

जिला स्तरीय राज्योत्सव कार्यक्रम 2012 के दौरान इंदिरा गांधी कृषि विश्वविद्यालय, कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा द्वारा दिनांक 05 नवम्बर 2012 को **जिला स्तरीय किसान मेला एवं संगोष्ठी** सम्पन्न हुआ । इस कार्यक्रम की मुख्य आतिथि माननीया **श्रीमती कमला देवी पाटले**, सांसद, लोकसभा क्षेत्र, जांजगीर–चाम्पा एवं अध्यक्षता **माननीया श्रीमती सूरजा व्यास कश्यप**, अध्यक्षा, जिला पंचायत, जांजगीर–चाम्पा साथ ही विशिष्ट अतिथि माननीय **डॉ. जे. एस. उरकुरकर**, निदेशक विस्तार सेवायें, **डॉ. डी. ए. सरनाईक**, संचालक अनुसंधान सेवायें, इंदिरा गांधी कृषि विश्वविद्यालय, रायपुर, माननीय **डॉ. आर. एन. एस. बनाफर**, अधिष्ठाता, कृषि महाविद्यालय, जांजगीर–चाम्पा तथा कृषि विज्ञान केन्द्र, कृषि महाविद्यालय के वैज्ञानिकगणों व प्रगतिशील कृषकों के गरिमामय उपस्थिति में आयोजित हुआ । मेला में लगभग 1000 किसानों ने इस अवसर पर कृषक वैज्ञानिक संगोष्ठी का लाभ लिया । इस संगोष्ठी में किसानों ने कृषि व कृषि से संबंधित सभी विषयों पर अपनी जिज्ञासायें व्यक्त की जिसका वैज्ञानिकों द्वारा समाधान किया गया ।

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<tr><td>  </td><td>  </td></tr>
<tr><td>किसान मेला को संबोधित करते हुए माननीया श्रीमती कमला देवी पाटले, (सांसद)</td><td>किसान मेला को संबोधित करते हुए माननीय डॉ. जे. एस. उरकुरकर, (डी. ई. एस.)</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>जिला स्तरीय किसान मेला में उपस्थित अतिथिगण द्वारा ''सब्जियों की प्रमुख बीमारियों की पहचान एवं नियंत्रण के उपाय'' एवं इंदिरा किसान मितान का विमोचन ।</td><td>राज्योत्सव 2012 के दौरान कृषि विज्ञान केन्द्र, जांजगीर को उत्कृष्ट स्टाल हेतु द्वितीय पुरस्कार से सम्मान ।</td></tr>
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विकासखण्ड स्तरीय किसान मेला

दिनांक 09/11/2012 **स्थलः ग्राम जावलपुर, विकासखण्ड बलौदा**

कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा (छ.ग.) द्वारा एक दिवसीय विकासखण्ड स्तरीय किसान मेला एवं कृषक संगोष्ठी का आयोजन **ग्राम जावलपुर** विकासखण्ड बलौदा में किया गया । जिसमें जर्वे, पाली, बलौदा, रसौटा, हरदी आदि ग्रामों के लगभग 400 कृषकों ने प्रशिक्षण प्राप्त किया । इस प्रशिक्षण में कृषि विज्ञान केन्द्र वैज्ञानिकों द्वारा कृषकों को खरीफ फसलों के आधुनिक कृषि पद्धतियों एवं रबी फसलों की तैयारी,बीज उत्पादन से संबंधित विस्तारपूर्वक जानकारी दी गई । इस अवसर पर ग्राम जावलपुर में कृषि महाविद्यालय, जांजगीर के अधिष्ठाता, डॉ. आर. एन. एस. बनाफर, कृषि विज्ञान केन्द्र, जांजगीर के कार्यक्रम समन्वयक डॉ. सतीश कुमार वर्मा, विषय वस्तु विशेषज्ञ श्री नितिन कुमार तुर्रे, श्री शशिकांत सूर्यवंशी, डॉ. दुष्यंत कुमार कौशिक एवं श्रीमति सविता राजपूत, श्री पी. उरांव, ग्रामीण कृषि विस्तार अधिकारी तथा सरपंच प्रतिनिधि श्री जितेन्द्र साहू, जलग्रहण मिशन के सक्रिय कार्यकर्ता श्री सुरेश डडसेना, जलग्रहण जावलपुर के अध्यक्ष श्री प्रभात सिंह भारद्वाज, प्रगतिशील कृषक श्री विश्राम, श्री रामशंकर साहू, श्री बद्रीप्रसाद साहू, श्री ईश्वर प्रसाद साहू एवं महिला कृषकों श्रीमती शारदा तिवारी, मेला साहू, कमला अघरिया एवं गांव के अन्य कृषकों सहित वैज्ञानिकों ने मेले में भाग लिया ।

दिनांक 09/11/2012 को ग्राम जावलपुर विकासखण्ड बलौदा में आयोजित किसान मेला में जनसमुदाय को सम्बोधित करते हुए क्रमशः मुख्य अतिथि आदरणीय अधिष्ठाता, महोदय डॉ. आर. एन. एस. बनाफर, कार्यक्रम समन्वयक डॉ. एस. के. वर्मा एवं कृषि विज्ञान केन्द्र के वैज्ञानिकगण

जिला स्तरीय किसान मेला (रबी 2013)

दिनांक 02/02/2013 **स्थल : सभागार भवन कृषि विभाग, जांजगीर**

जाज्वल्यदेव लोक महोत्सव एवं एग्रीटेक कृषि मेला 2013 के दौरान इंदिरा गांधी कृषि विश्वविद्यालय, कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा द्वारा राष्ट्रीय कृषि विकास योजनान्तर्गत दिनांक 02 फरवरी 2013 को **जिला स्तरीय किसान मेला एवं संगोष्ठी** सम्पन्न हुआ । इस कार्यक्रम के मुख्य अतिथि माननीय **श्री नारायण प्रसाद चंदेल जी**, उपाध्यक्ष, छत्तीसगढ़ विधानसभा एवं अध्यक्षता **माननीय श्री बलिहार सिंह जी**, अध्यक्ष, छ.ग. निःशक्तजन वित्त एवं विकास निगम छ.ग. शासन, साथ ही विशिष्ट अतिथि माननीया **श्रीमती विद्या सिदार जी**, सभापति, कृषि स्थायी समिति, जांजगीर–चाम्पा, माननीय **डॉ. आर. एन. एस. बनाफर जी**, अधिष्ठाता, कृषि महाविद्यालय, जांजगीर–चाम्पा, उपसंचालक कृषि, **श्री एम. के. चौहान** तथा कृषि विज्ञान केन्द्र के विशेषज्ञ एवं कृषि महाविद्यालय के प्राध्यापकगण, कृषि विभाग के वरिष्ठ/ग्रामीण कृषि विस्तार अधिकारीगण, जाज्वल्यदेव लोक महोत्सव आयोजन समिति के सदस्य गण व प्रगतिशील कृषक श्री श्यामलाल राठौर, श्री राजशेखर, श्री दुष्यंत सिंह, श्री संदीप तिवारी एवं श्री तिलकराम सूर्यवंशी के साथ लगभग 1500 कृषकों के गरिमामय उपस्थिति में आयोजित हुआ । इस कार्यक्रम में लगभग 1500 कृषकों ने भाग लिया तथा इस कार्यक्रम के दौरान संगोष्ठी में किसानों के रबी पर आधारित समाधान वैज्ञानिकों द्वारा किया गया ।

जाज्वल्य देव लोक महोत्सव एवं एग्रीटेक कृषि मेला, दिनांक 31/01/2013 के उद्घाटन अवसर पर कृषि विज्ञान केन्द्र एवं कृषि महाविद्यालय, जांजगीर–चाम्पा के स्टाल का अवलोकन करते हुए माननीय डॉ. चरणदास महंत, केन्द्रीय कृषि एवं खाद्य प्रसंस्करण राज्य मंत्री, भारत सरकार

जिला स्तरीय किसान मेला एवं कृषक संगोष्ठी कार्यक्रम दिनांक 02/02/2013 में माननीय श्री नारायण प्रसाद चंदेल, श्री बलिहार सिंह, मान. आर. एन. एस. बनाफर, श्रीमती विद्या सिदार, मान. डॉ. एस. के. वर्मा एवं श्री देवेश सिंह

विकासखण्ड स्तरीय किसान मेला

दिनांक 13/03/2013 **स्थलः ग्राम जाजंग, विकासखण्ड सक्ति**

कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा (छ.ग.) द्वारा एक दिवसीय विकासखण्ड स्तरीय किसान मेला एवं कृषक संगोष्ठी का आयोजन ग्राम जाजंग विकासखण्ड सक्ती में किया गया । जिसमें जाजंग, जगदल्ली, सकरेली, बैलाचुवां, नन्दौरखुर्द, मसनियाकला आदि ग्रामों के लगभग 300 कृषक एवं महिलाओं ने प्रशिक्षण प्राप्त किया । इस प्रशिक्षण में कृषि विज्ञान केन्द्र के विशेषज्ञ एवं कृषि महाविद्यालय, जांजगीर के अधिष्ठाता महोदय द्वारा कृषकों को आधुनिक कृषि पद्धतियों एवं रबी फसलों की तैयारी से संबंधित विस्तारपूर्वक जानकारी दी गई। इस अवसर पर ग्राम जाजंग में मुख्य अतिथि **श्रीमती विद्या सिदार जी, सभापति**, कृषि स्थायी समिति जिला पंचायत, जांजगीर–चाम्पा, **अध्यक्षता डॉ. आर. एन. एस. बनाफर**, अधिष्ठाता, कृषि महाविद्यालय, जांजगीर–चाम्पा, कार्यक्रम समन्वयक, कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा डॉ. सतीश कुमार वर्मा, विषय वस्तु विशेषज्ञ श्री नितिन कुमार तुर्रे, इंजिनियर समीर शान्तैया, श्री शशिकांत सूर्यवंशी, डॉ. दुष्यंत कुमार कौशिक, श्री खेमादास महंत, वरिष्ठ कृषि विस्तार अधिकारी सक्ती, श्री एम. के. अग्रवाल, श्री डी. डी. चन्द्रा, भूतपूर्व व. कृषि विकास अधिकारी श्री टी. आर. धीरहे, ग्रामीण कृषि विकास अधिकारी श्री आर. एन. खुंटे, श्री पी. के. यादव, बी. टी. एम. आत्मा, सक्ती डॉ. सुरेश कंवर, कृषि विकास अधिकारी, बाराद्वार डी. एस. राठौर तथा ग्राम पंचायत सरपंचसंघ उपाध्यक्ष श्रीमती चारो बाई केंवट सहित वैज्ञानिकों ने कृषकों को प्रशिक्षण दिया ।

दिनांक 13/03/2013 को ग्राम जाजंग में आयोजित किसान मेला में उपस्थित कृषक समुदाय को सम्बोधित करते हुए कार्यक्रम के मुख्य अतिथि माननीय श्रीमती विद्या सिदार, सभापति कृषि स्थायी समिति जिला पंचायत, जांजगीर, अधिष्ठाता, कृषि महाविद्यालय, डॉ. आर. एन. एस. बनाफर, कार्यक्रम समन्वयक डॉ. एस. के. वर्मा एवं कृषि विज्ञान केन्द्र के वैज्ञानिकगण ।

Krishak Sangwari (with Photo)

S. No.	No. of training	No. of farmers	Important observations
1.	05	227	Distributed Kharif production technical bulletin
2.	08	249	Distributed technical bulletin on pest management of Kharif crops.
3.	09	251	Distributed Rabi management bulletin & collected 20 farmers list of each krishak sangwari .
4.	09	309	Feed back according farmers
Total	31	1036	Out of 456 Krishak Sangwari 56.79 % attended in 2012-13.

Different activities of Kisan sangwari during year 2012-13 Kharif and Rabi

Different activities of Kisan sangwari during year 2012-13 Kharif and Rabi

SOIL SAMPELS ANALYSED 2012-13

Block/village	Soil sample analysed
Navagarh/ Kuthur & Misda	100
Pamgarh/ Mehandi & Dogakohraud	100
Balauda/Jawalpur	80
Jaijaipur/Ghivra	100

In Collaborations with IFFCO during soil testing programme on dated 13 feb to 23Feb-2013

Testing the Soil sample by soil testing van

Convergence with allied Departments/ agencies (2012-13)

S. No.	Govt. Scheme	Role of KVK
1.	**N.F.S.M.**	Actively participated with Farmers training in different blocks & Technical guidance to district agriculture department.
2.	**R.K.V.Y.**	Seed production programme, Kisan sangwari trainings, Kisan Mela, Farm Development.
3.	**N.H.M.**	-
4.	**National Soil Health Fertility Improvement Project**	-
5.	**Krishi Mass Media**	Monthly Meeting attended organized by JDA, Bilaspur.
6.	Others	Collaboration with Dist. Horticulture department, SBI RSETTI, IFFCO, KRIBHCO, Mahindra Samridhi, AE Bilaspur, CG Agro, SHGs & NGOs

New facilities developed through RKVY, TSP and other funding agencies

S. No.	Item purchased (more than Rs. 5000/-)	Quantity	Amount	Purpose / Use of items (specify area / length in case of fencing, irrigation facilities etc.)
A.	**RKVY P-I**			
1.	Seed grader with accessories	01	386706	To be utilized for seed grading purpose
2.	**RKVY P-II**			
1	Land Leveling, bunding & Internal road preparation (Agril. Engg. Bilaspur)	500 (hrs.)	498200	Farm field leveling, Internal Road, FS Model & bunding
2	Tube well, Pump, Pump house (PHE)	01	213000	Field irrigation purpose
3	R. C. C. Straight type Pole (CSIDC, Rate contract firm)	1800 nos.	349979	For fencing purpose
4	Computer System with accessories (Ascent Tech. Raipur)	01	52513	Office purpose For P. A. Computer
5	Power Tiller (C.G. Agro)	01	160500	Farm development use
6	Chaff cutter Power operated 2 H. P. motor (C.G. Agro)	01	19740	To be utilized for cutting of grasses

7	Winnowing fan (Power operated 4 frame 1 H.P. Motor) (C.G. Agro)	01	7875	For winnowing of seed. Grains
8	Low lift pump (Hand operated) (C.G. Agro)	01	3977	Lifting of canal water
9	Electric Weighing machine 500 Kg (C.G. Agro)	01	13167	Weighing of farm produce
10	Reaper Diesel (Vardan) (C.G. Agro)	01	126000	Cutting of farm field crops
11	Tube well, Pump, Pump house (PHE)	01	238700	Field & residential block irrigation purpose
12	Electrification (CSEB)	-	375226	Electrification for residential block, three pump house & field of KVK.
13	Interlinking of Bore wells, Drip Irrigation System, sprinkler Irrigation System Fitting & Others	01	493958	Interlinking of tube wells, demonstration of drip set & Sprinkler
14	GPS System (Lakshmi Scientific woks, Raipur)	01	18183	For global processing system
15	False Ceiling, conference table sliding window (CSIDC, Rate contract firm)	-	426428	Furnishing of meeting and seminar hall of KVK
16	Laptop Computer, along with accessories (Ascent Tech. Raipur)	01	57371	Office purpose
17	Digital Camera (Lakshmi Scientific woks, Raipur)	01	14364	For Photography of training, field experiment and demonstration
18	Barbet wire (C.G. Agro)	100 kg	7547	For fencing purpose
19	Jeep trolley (C.G. Agro)	01	44289	For transportation of farm produce
20	Shade net (HDPE woven fabric) 75 % (C.G. Agro)	02 (20'X40')	49520	For demonstration purpose
21	Submersible pump with accessories (C.G. Agro)	01	52295	Field irrigation purpose
22	Steel office chair (CSIDC, Rate contract firm)	06 nos	19392	Office purpose
23	Implement shade (G C Sheet & M. S. Pipe, feting material)	Approx. 100 ft length	110451	Shade for implements /equipment

S. No.	**Item purchased (more than Rs. 5000/-)**	**Quantity**	**Amount**	**Purpose / Use of items (specify area / length in case of fencing, irrigation facilities etc.)**
V. V. Receipt				
1.	Electrification (CSEB)	08 Pole	93614	Electric supply for bore wells
2.	Tube well (PHE)	2	270000	Irrigation of field
B.	**TSP**			
C.	**Others**			

FEED BACK

- Replacement of long duration variety to medium duration verities to increased cropping intensity.
- Seed production and other support is needed.
- False smut disease is severely found in Karma masuri.
- Swarna var. is susceptible to blast, BLB, Sheath blight, Brown spot diseases as well as stem borer and sucking pests so the soil texture is affected due to heavy spray.
- Mushroom-production is realy a good source of income and like a supporting vegetable but the availability of spawn is a barriar.
- Use of combine harvester creates problem of fodder.
- There is need to develop appropriate technology for ground water recharge. Present system is not working properly and also polluting ground water.

The rice variety Swarna is popular in large scale despite its susceptibility for many pest and diseases. The preference of varietal acceptance of farmer need to be worked out for breeding of new varieties.

Feed back for research

Technology tested/ transferred	Feedback for research and policy intervention
A. Farmers to KVK	Introduce HYV/Hybrid Maize/ Sunflower during Kharif.
	To developed resistant verities of Paddy.
	Promote to marketing channel for Sugar can, Sunflower and Mushroom.
B. KVK to Research	To be developed medium duration and HYV of Paddy.
	To simplify SRI techniques.
	Easy availability of seed hybrid rice Indira Sona.
	Blast , BLB, Stem borer and BPH are big problem so far.

Feed back for new initiatives for extension

- Creation of awareness for Production of Oyster Mushroom.
- SRI system of rice cultivation with full package of practices demonstrated.
- To promote sericulture/lac culture for rural youth.
- To organized long term vocational training courses in agricultural and allied fields for farm woman.
- To promote self help group for farm Implements.
- Replacement of long duration Sawrna to medium duration varieties to increase cropping intensity.
- To promote the Paddy straw mushroom cultivation.

CAPACITY BUILDING OF KVK STAFF (2012-13)

Particulars	Numbers	
	IGKV	Outside
Training programme attended by KVK staff	**10**	**03**
Conference / seminar / research advisory meeting / disciplinary meeting attended	**10**	**01**

Infrastructure Developed/ Facilities created in last 2 years

Infrastructure/Facilities	Amount (Rs Lakh)
KVK Fund	
IGKV Funds V. V. Receipt	
Electrification	1.361
Tube Well	2.70
TSP	-
Other RKVY	
Project -I	6.888
Project -I	41.690

External Funding for training and testing and developmental activities

Training/ testing (Give Title)	Amount (Rs Lakh)
ATMA	
AICRP - **AICRPAM-NICRA**	**0.25**
IGKV	
RKVY- **Krishak Sangwari** **4.06**	
PRIVATE (Name)	
TSP	
BRGF	
District/ Other- A. E. Bilaspur (Ag. Engg.)	**0.30**

Seed & Planting material production at KVK Farm (Year-wise) during XI Plan

Year	Seed produced (q)	Type of seed	No. of farmers benefitted	Planting materials (no.)	Type of planting materials	No. of farmers benefitted	Revenue generated (Rs.) Seed + PM
2007-08	Safflower 16 q	B/F	Sold to Seed Corp.	-	-	-	53452/
2008-09	Paddy- 194.11 q	F/C	Sold to Seed Corp.	-	-	-	126444/
2009-10	Paady-83q Safflower-3.29q	F/C	Sold to Seed Corp.	-	-	-	166605/
2010-11	Paddy-60.75q Arhar-19q Safflower- 42 q	F/C	Sold to Seed Corp.	-	-	-	144955/
2011-12	Kodo-Urd-Soybean-	B/F C1/C2 B/F	Sold to Seed Corp.	-	-	-	219565/

SEED PRODUCTION IN KVKs (2012-13)

Crop							Sold to Beej Nigam (q)	Sold to IGKV/ Farmers (q)
	Breeder	Foundation	Certified	T.L.	Total			
Rice								
Maize								
Wheat								
Linseed		2.81			2.81		Yes	
Mustard								
Niger								
Chickpea		5.85			5.85		Yes	
Kodo		5.0			5.0			
Others							Yes	

PROPOSED SEED PRODUCTION IN KVK'S (2013-14)

Crop	Quantity grade wise (q)				
	Breeder	Foundation	Certified	T.L	Total
Rice		150	150		300
Wheat		100	100		200
Linseed		20			20
Mustard		20			20
Pigeon pea		10			
Safflower			20		20
Chickpea			100		100
Other					

AWARDS scientist and farmer 2012-13

State and National level award received by KVK Scientist/contact farmer

S. No.	Name	Award	State/ National
A.	Scientist		
1.	Er. Samir Shantaiya , Shri Shashi Kant Suryavanshi & Dr. D. K. Kaushik	Thakur Chhedilal Smriti	District
B.	Farmers		
1.	Smt. Sushila Gabel	Mahindra Samridhhi	National
2.	Shri. Laxmi Patel	Progressive farmers	State

सम्मान/पुरस्कार

1. **दिनांक 20/09/12 को ठा. बैरिस्टर छेदीलाल स्मृति, जांजगीर से सम्मानित वैज्ञानिकगण :** इंजिनियर समीर शान्तैया, डॉ. दुष्यंत कुमार कौशिक, श्री शशिकांत सूर्यवंशी, विषय वस्तु विशेषज्ञ, कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा ।
2. **दिनांक 13/04/13 को महिन्द्रा समृद्धि ट्रेक्टर्स, जांजगीर द्वारा सम्मानित वैज्ञानिकगण :** श्री नितिन कुमार तुर्रे, श्री के. डी. महंत, विषय वस्तु विशेषज्ञ, कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा ।
3. **दिनांक 05/11/12 को राज्योत्सव प्रदर्शनी मेला, जांजगीर** में कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा के स्टाल को माननीय सांसद महोदया श्रीमती कमला पाटले एवं माननीय विधानसभा उपाध्यक्ष द्वारा तृतीय पुरस्कार से सम्मानित ।
4. **दिनांक 02/03/13 को भारत निर्माण जनसूचना मेला, चाम्पा** में कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा के स्टाल को माननीय केन्द्रीय कृषि राज्य मंत्री डॉ. चरणदास महंत द्वारा द्वितीय पुरस्कार से सम्मानित ।

नवोन्वेषी कृषक **(Innovative farmer)**

नाम – श्री विनोद नेमी पिता श्री गजाननलाल नेमी
पता –चितरपारा, जांजगीर, जिला जांजगीर–चाम्पा (छ.ग.) फोन नं. 9617031009

नवोन्वेषी

नाम– श्री मधुसूदन सिंह
पता– ग्राम–पोड़ीशंकर, वि. ख. बम्हनीडीह़,
जिला– जांजगीर–चाम्पा, फोन– 9826120591

नवोन्वेषी कृषक **(Innovative farmer)**

नाम – श्री साहेब लाल कश्यप

पता – ग्राम पोस्ट बोरदा , तह. नवागढ, जिला जांजगीर–चाम्पा (छ.ग.) फोन नं. 9770530628

SUCCESS STORY

नाम– श्री उज्जवल पाण्डेय

पता– ग्राम–सेन्दरी, पोस्ट कुथुर, वि. ख. नवागढ़,

जिला– जांजगीर–चाम्पा, फोन– 9753190010, 9617381233

विशेष पुरस्कार से सम्मानित महिला कृषक

नाम – श्रीमती सुशीला गवेल पति श्री यादव प्रसाद गवेल

ग्राम–जाजंग, विकास खण्ड सक्ती, जिला जांजगीर–चांपा, फोन नं. 09617395007

News paper coverage

लाभकारी साबित हो रहा मशरूम उत्पादन

गौद के 30 किसानों ने सीखा बुआई का तरीका

उद्यानिकी और सब्जी की खेती करें किसान

फसलों का रकबा बढ़ाएं किसान

केले की खेती से बढ़ी आमदनी

किसानों को बताई खेती की मार्डन पद्धति

प्रदर्शनी से प्रदर्शित की विकास गाथा

दैनिक भास्कर दिनांक 15/11/12

दलहन- तिलहन की खेती पर जोर

नई तकनीक का लाभ उठाकर भरपूर फसल लें किसान: पाटले

धान के साथ सब्जी उत्पादन भी करें- पाटले

नईदुनिया

रबी फसल की दी गई जानकारी, किसानों को ट्रेनिंग

दैनिक भास्कर 3/8/2012

गौद में किसानों को ट्रेनिंग दी

नईदुनिया

रोग प्रतिरोधी किस्मों को भी बोएं किसान

नईदुनिया

बीज उपचारित कर ही बोएं किसान

रासायनिक उर्वरकों के प्रयोग से प्रदूषित हो रहा पर्यावरण

खेती की संभावना और उत्पादन बढ़ाने पर चर्चा

नई दुनिया दिनांक 01/06/12

खेती में कृषि विज्ञान केंद्र की महत्वपूर्ण भूमिका

रबी फसलों के प्रबंधन पर हुआ प्रशिक्षण

हरिभूमि | जांजगीर-चांपा

चना उत्पादन की मिली जानकारी

14 नईदुनिया बिलासपुर, शनिवार 16 मार्च 2013 | जांजगीर

ट्रेनिंग | कृषि विज्ञान केन्द्र में दो दिवसीय प्रशिक्षण

30 किसानों ने सीखा कृषि यंत्रों का उपयोग

दैनिक भास्कर

किसानों को दी गई यांत्रिकी खेती की जानकारी

नईदुनिया www.naidunia.com बिलासपुर, सोमवार 24 सितंबर 2012

एक घंटे में दो एकड़ खेत जोत सकते हैं किसान

बिलासपुर, शुक्रवार 3 अगस्त 2012 | नईदुनिया 13

कम बीज व पानी में बेहतर उत्पादन

बिलासपुर, शुक्रवार 22 मार्च 2013 | नईदुनिया | 15

समय पर करें दवा का इस्तेमाल

कृषि विज्ञान केन्द्र में मासिक कार्यशाला

16 नईदुनिया | जांजगीर

ट्रेनिंग

जलवायु परिवर्तन पर 225 किसानों ने लिया प्रशिक्षण

बैल चलित तेंदुआ आयरन हल का प्रदर्शन

खेती | एक दिन में दो एकड़ खेत की जुताई, यंत्र पर 50 प्रतिशत अनुदान दे रहा कृषि विभाग

Publications

Publications	Nos
Popular articles	16
Research papers	2
Research Abstracts	0
Bulletins	4
Leaflets/folders	2
KVK Newsletters Indira Kisan Mitan	4
Technical book	3

Research Paper 2012-13

Title	Authors name
IMPROVED WEED MANAGEMENT PRACTICES FOR RICE – A REVIEW *Inter J Curr Trends Sci Tech*, 3(1), 1-7 (2012)	A Shrivastava, RK Sahu, A Qureshi
AVAILABILITY AND IMPACT OF FARM IMPLEMENTS FOR MECHANIZATION IN JANJGIR-CHAMPA (2012). National conference on Infraction between traditional & modern tech. (NCITMT 2012) pp 144-145. Organized by C.G. council of science & tech. from 24-25 March.	Samir Shantaiya, N. K. Toorray and A. Qureshi

Published Popular Article

Title	Authors name
क्षारीय एवं लवणीय मृदाओं का सुधार (जून 2012) ***कृषि वर्ल्ड,*** वर्ष 06, अंक 11, पृष्ठ क्र. 6–7.	**आशुतोष श्रीवास्तव**, बलदेव अग्रवाल एवं नितिन कुमार तुर्रे
उत्कृष्ट कार्य के लिये जांजगीर जिले के तीन कृषक सम्मानित (जून 2012) ***कृषि वर्ल्ड,*** वर्ष 06, अंक 11, पृष्ठ क्र. 13.	**नितिन कुमार तुर्रे**
मृदाजनित रोगों का प्रबंधन (जून 2012) ***कृषि वर्ल्ड,*** वर्ष 06, अंक 11, पृष्ठ क्र. 17–18.	आर. के. दांतरे, **नितिन कुमार तुर्रे** एवं के. पी. वर्मा
मिट्टी की जांच के फायदे (जून 2012) ***कृषि वर्ल्ड,*** वर्ष 06, अंक 11, पृष्ठ क्र. 23.	प्रदीप कुमार एवं **नितिन कुमार तुर्रे**
पौधों में पोषक तत्वों की पूर्ति (जून 2012) ***कृषि वर्ल्ड,*** वर्ष 06, अंक 11, पृष्ठ क्र. 24–25.	प्रदीप कुमार एवं **नितिन कुमार तुर्रे**
धान में संतुलित उर्वरकों का उपयोग एवं मात्रा (2012) **इंदिरा किसान मितान,** वर्ष 05, अंक 17 पृ. क्र 01	**आशुतोष श्रीवास्तव** एवं नितिन कुमार तुर्रे
धान के प्रमुख रोग व उनका नियंत्रण (2012) **इंदिरा किसान मितान,** वर्ष 05, अंक 17 पृ. क्र 03	**नितिन कुमार तुर्रे**, आशुतोष श्रीवास्तव एवं ए. कुरैशी
ट्रेक्टर का सही संचालन कैसे करें (2012) **इंदिरा किसान मितान,** वर्ष 05, अंक 17 पृ. क्र 02	**समीर शान्तैया**
रबी फसलों को रोगो व कीटों से बचाने हेतु करें–बीज उपचार (2012) **इंदिरा किसान मितान,** वर्ष 05, अंक 18 पृ. क्र 01	**नितिन कुमार तुर्रे**
पावर टिलर की बहुउपयोगिता (2012) **इंदिरा किसान मितान**, वर्ष 05, अंक 18 पृ. क्र 03	**समीर शान्तैया**
लाभदायक फफूंदो व मित्र कीटों का कृषि में महत्व (2012) **धर्मसत्ता पाक्षिक पत्रिका,** जांजगीर अगस्त पृष्ठ क्र. 02–03.	**नितिन कुमार तुर्रे,**
समन्वित कीट प्रबंधन में एन. पी. व्ही. (2013) **इंदिरा किसान मितान,** वर्ष 06, अंक 19 पृ. क्र 01	**नितिन कुमार तुर्रे,** के. डी. महंत एवं एस. के. वर्मा
महिला कृषकों की अतिक्ति आय हेतु कृषि में संभावनायें (2013) **इंदिरा किसान मितान**, वर्ष 06, अंक 19 पृ. क्र 03	**सविता राजपूत**, नितिन कुमार तुर्रे एवं शशिकांत सूर्यवंशी
पौध संरक्षण यंत्रों की उचित देखरेख कैसे करें ?(2013) **जाज्वल्या** 2013 पृ. क्र. 43	**समीर शान्तैया** एवं एस. के. वर्मा
कतार बुवाई यंत्रों की पहचान व उपयोगिता (2013) **जाज्वल्या** 2013 पृ. क्र. 46–47	**समीर शान्तैया** एवं एस. के. वर्मा
बोनसाई कैसे बनायें ? (2013) **जाज्वल्या** 2013 पृ. क्र. 44–45	**सविता राजपूत**

Published bulletins

1. खरीफ फसलों के रोग व नियंत्रण के उपाय (2012) **नितिन कुमार तुर्रे**, आशुतोष श्रीवास्तव, समीर शान्तैया एवं ए. कुरैशी । कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा ।
2. श्री पद्धति से धान की पैदावार बढ़ायें (2012) **आशुतोष श्रीवास्तव**, ए. कुरैशी, नितिन कुमार तुर्रे एवं समीर शान्तैया । कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा।
3. धान में उन्नत पोषण प्रबंधन भरपूर खुराक–समन्वित आधार (2012) **ए. कुरैशी**, नितिन कुमार तुर्रे, आशुतोष श्रीवास्तव एवं समीर शान्तैया । कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा ।
4. सब्जियों की प्रमुख बीमारियों की पहचान एवं नियंत्रण के उपाय (2012). **नितिन कुमार तुर्रे**, आशुतोष श्रीवास्तव, समीर शान्तैया, शशिकांत सूर्यवंशी, दुष्यंत कौशिक, सविता राजपूत, के.डी.महंत एवं सतीश वर्मा। कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा।

Published folder

1. ट्रेक्टर का चुनाव व उपयोग कैसे करें (2012) **समीर शान्तैया**, नितिन कुमार तुर्रे, आशुतोष श्रीवास्तव एवं ए. कुरैशी । कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा।
2. उन्नत कृषि यंत्रों से लाभ (2012) **समीर शान्तैया**, नितिन कुमार तुर्रे, आशुतोष श्रीवास्तव एवं ए. कुरैशी । कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा ।

Published quarterly News letter "*Indira Kisan Mitan*" (Editor-NITIN KUMAR TOORRAY, SMS)

1. इंदिरा किसान मितान (अप्रैल, मई, जून 2012). कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा । वर्ष 05, अंक 16.
2. इंदिरा किसान मितान (जुलाई, अगस्त, सितम्बर 2012). कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा। वर्ष 05, अंक 17.
3. इंदिरा किसान मितान (अक्टूबर, नवम्बर, दिसम्बर 2012). कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा । वर्ष 05, अंक 18.
4. इंदिरा किसान मितान (जनवरी, फरवरी, मार्च 2013). कृषि विज्ञान केन्द्र, जांजगीर–चाम्पा । वर्ष 06, अंक 19.

Horizontal spread of technology 2012-13

Technology	Horizontal spread (ha)
HYV of cereal crops	500
HYV of Pulses	100
HYV of Oilseeds	100
IWM in different crops	200
INM in different crops	100
SRI technique of rice cultivation	50
Line sowing of rice	100
Hybrid rice cultivation	100
Others (agricultural implements, Mushroom, chilli etc.)	100
Total	1350

Status of Kisan Mobile Advisory

S No.	No. of calls to the farmers	No. of beneficiary covered	No. of messages sent	Topic of message (no.)					
		FW		Crop/Plant protection	Lives tock	weather	Marketing	Awareness	Agrl. Engg
1.	1000	16000	16	10	-	-	-	-	06

Impact of technology and intensive cropping in net income and employment generation

1. Income through Oyster mushroom production

Name of Farmer- Shri Vinod Nemi, Chitarpara, Janjgir

S. No.	Net income (Rs./ha)		Employment generation/ha		% increase over initial	
	Initial	After intervention	Initial	After intervention	Income	Employment
1	558/- per bag (1Kg paddy straw in 1 bag)	725/- per bag	1	3	23%	66%

2. Income through Vermi compost

Name of Farmer- Smt. Sushila Gabel, Village-Jajang (Block-Sakti), Janjgir

S. No.	Net income (Rs./ha)		Employment generation/ha		% increase over initial	
	Initial	After intervention	Initial	After intervention	Income	Employment
1	35,000/-	60,000/-	2	5	42%	40%

achievements

1. Increased the productivity (44.99 q/ha) of Paddy in the district.
2. Increased mechanization .
3. Increased paddy production during year 2012-13 up to 12-15 %.
4. Replacement of Old verities with HYV in Paddy & Wheat .
5. Increased the income of farmers to replace the mono cropping to double cropping.
6. Introduced the Mushroom production technology for additional income.
7. For Implement hiring system made Krishak Club at some villages as Lakhurri and Pamgarh.

Problem identified for future extension

1. Sufficient time should be provided to take the observation and evaluation of FLDs & OFTs (Twice a week)
2. The number of technical literatures/extension bulletin should be increased for farmers training.
3. subject wise training is necessary for each SMS (Kharif & Rabi) to update the recent knowledge.
4. The management of False smut, Neck blast, Leaf blast, BLB, Stem borer, BPH in Paddy.
5. In district should be providing repairs and maintenance facilities for improved implements.

Farm Revolving Fund 2012-13

A/c no. of Revolving Fund : 10784114965

1. Opening balance as on 1.4.2012 : Rs. 81579

2. Income received during Apr.12 to March 13 : Rs 170242

3. External funding for farm : Nil

4. Total (1 to 3) : Rs 251821

5. Expenditure on farm cultivation : Rs 206510

6. Profit/ Loss (4-5) : Rs. 45311

Other expenditure

7. Refunded to ICAR : Nil

8. Expenditure on farm development : Nil

(Fencing, road etc.) night watchman etc

9. Total other Exp. (7+8) : Nil

10.Closing balance as on 31.3.2013 (6-9) : Rs. 45311

Proposed future plan of the KVK:

Infrastructure development:

- ❖ Mushroom spawn production unit.
- ❖ Shed for keeping farm implements.
- ❖ Vermi compost production unit.
- ❖ Nursery poly shed
- ❖ Farming system model

PROPOSED ACTION PLAN 2013-14

Summary of the activities to be conducted/ organized (2013-14)

Activity	Target	
	Number of activity	No. of farmers/ beneficiaries
OFTs	**26**	**109**
FLDs – Oilseeds (activity in ha)	**15**	**40**
FLDs – Pulses (activity in ha)	**15**	**26**
FLDs – Cotton (activity in ha)	**00**	**00**
FLDs – Other than Oilseed and pulse crops(activity in ha)	**35**	**91**
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	**10**	**26**
Training-Farmers and farm women	**69**	**1900**
Training-Rural youths	**09**	**400**
Training- Extension functionaries	**12**	**400**
Extension Activities	**200**	**3500**
Seed Production (Number of activity as seeds in quintal)	**10**	**150**
Planting material ((Number of activity as quantity of planting material in quintal)	**15**	**00**
Seedling Production (Number of activity as number of seedlings in numbers)	**10**	**100**
Sapling Production (Number of activity as number of sapling in numbers)	**05**	**250**
Other Bio- products (No. of quantity)	**00**	**00**
Live stock products	**00**	**00**
Activities of Soil and Water Testing Laboratory	**00**	**00**
Rainwater Harvesting System	**00**	**00**
Kisan Mobile Advisory (KVK-KMA)	**50**	**1000 Each Activity**
SAC Meeting (Date & no. of core/ official members)	**01**	**30**
Literature to be Developed/Published	**10**	**5000**
Convergence programmes / Sponsored programmes	**10**	**300**
Utilization of Farmers Hostel	**00**	**00**
Utilization of Staff Quarters	**06**	**06 Farmilty**
Details of KVK Agro-technological Park	**05**	**200**
Crop Cafeteria-	**05**	**200**
Farm Innovators- list of 10 farm innovators from the District	**10**	**10**
Status of Revolving Funds		
Awards and Recognitions	**05**	
Case study / Success Story to be developed	**03**	

Activity	Target	
	Number of activity	No. of farmers/ beneficiaries
KVK Progressive Farmers interaction	**05**	
Outreach of KVK in the District (No. of blocks, no. of villages)	**09**	
Technology Demonstration under Tribal Sub Plan	**00**	
KVK Ring	**03**	
Important visitors to KVK	**10**	
Status of KVK Website	**Yes**	**Mass**
Status of RTI		
E-connectivity		
Details of Technology Week Celebrations	**03**	
Interventions on Drought Mitigation		
Proposal of NAIP		
Proposal of NICRA		
Well labeled photographs	**Yes**	
Other Activities		

Thematic Area wise Proposed OFT

2013-14	Thematic Area	No. of OFT
Kharif	**Nutrient Management**	04
Kharif	**Integrated crop Management**	04
Kharif	**Varietal evaluation**	04
Kharif	**Farm Mechanization**	04
Kharif	**Integrated Pest Management**	04
Kharif	**Integrated Disease Management**	04
Kharif	**Drudgery reduction**	00
Kharif	**Mushroom**	01
Kharif	**Onion**	01

Summary of OFT to be Conducted

S. No	season	Title of OFT	Crop/ Technology	Area (ha.)/ No.
1.	Kharif 13	Varietal assessment in papaya	Papaya	01
2.	Kharif 13	Varietal assessment of okra.	Vegetable	01
3.	Rabi 13	Improved Nursery management Brinjal	Vegetable	01
4.	Rabi 13	Varietals assessments of late duration Pea for higher yield during Rabi.	Vegetable	01
5.	Summer 13	Varietal performance of bottle gourd.	Vegetable	01
6.	Kharif 13	Assessment of Power Tiller for Biasi	Rice	01
7.	Kharif 13	Assessment of SRI technique by using marker.	Rice	01
8.	Rabi- 13	Assessment of package of practice.	Rice	01
9.	Rabi13-14	Assessment of Line sowing of chickpea.	Chickpea	01
10.	Kharif 13	Stable management and chlorantraniliprole (Rynaxpyr) for rice stem borer.	Rice	01
11.	Kharif-13	Assessment of Buprofezin for management of Brown plant hopper.	Rice	01
12.	Rabi 13	Assessment of thiamethoxam foe management of brown plant hopper.	Rice	01
13.	Rabi 13	Mechanical killing of egg masses of Rice Stem Borer and Assessment of Cartap hydrochloride for management of rice stem borer	Rice	01
14.	Kharif 13	Evaluation of improvement in Biasi Cultivation of Rice through Crop Management.	Rice	01
15.	Kharif 13	Assessment of comparative performance of newly released variety opf Rice	Rice	01
16.	Rabi 13	Assessment of Sprinkler irrigation system on wheat crop	Wheat	01
17.	Rabi 13	Assessment of Rice-based Cropping System under limited (One) irrigation during Rabi.	Rice	01
18.	Kharif 13	Assessment of STCR based nutrient management in Rice	Rice	01
19.	Kharif 13	Assessment of urea with fungicide (Carbendazim+Mencozeb) in Rice	Rice	01
20.	Rabi 13	Assessment of STCR based nutrient management in Wheat	Wheat	01

OFT- 1

Title : Varietal assessment in papaya.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Maximum (70%) papaya plants affected by mosaic virus resulting into quite low yields. Moreover, dioecious nature of local varieties poses problem of unfruitfulness due to disproportionate sex ratio.
Thematic Area	**:**	Disease management / varietal assessment
Name of Technology	**:**	1.Local variety 2.Co-1/ Co-2 3. Badwani Red/Yellow Fruits are round to oblong with orange colored pulp, fruit wt.3-5 kg., Av. yield 80 kg/plant.
Source of Technology	**:**	IGKV
Farmer's Practice (T_1)	**:**	Low yielding local varieties
Assessed Recommended Practice (T_2)	**:**	Papaya mosaic resistant high yielding varieties
T_3	**:**	-
Observation to be recorded	**:**	No. of fruits per plant, Disease Incidence%, Yield
No. of Trails (Replication)	**:**	05
Name of SMS responsible for OFT	**:**	**Shri Nitin Kumar Toorray**

OFT- 2

Title : Varietals assessments of Okra.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Poor germination, less yield and severe attack of YVM virus.
Thematic Area	**:**	Varietal assessment
Name of Technology	**:**	Varietals assessments of Okra for higher yield during.
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local variety
Assessed Recommended Practice (T_2)	**:**	High Yielding and disease resistance, Variety -Super Green/ Arka Anamika
T_3	**:**	-
Observation to be recorded	**:**	Number of fruits per plants yield B:C Ratio
No. of Trails (Replication)	**:**	05
Name of SMS responsible for OFT	**:**	**Smt. Savita Rajput**

OFT- 3

Title : Improved Nursery management in Brinjal.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Higher mortality due to water stagnation near by nursery.
Thematic Area	**:**	Disease management / Varietal assessment
Name of Technology	**:**	To check mortality of plants through water stagnation
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Poor nursery Management
Assessed Recommended Practice (T_2)	**:**	Improved technic of nursery management
T_3	**:**	-
Observation to be recorded	**:**	Plant population per sq. meter at 10 DAS,20DAS and at the time of transplanting of Tomato, Brinjal.
No. of Trails (Replication)	**:**	05
Name of SMS responsible for OFT	**:**	**Smt. Savita Rajput**

OFT- 4

Title : Varietals assessments of late duration Pea for higher yield during Rabi.

Season & Year	**:**	Rabi, 2013
Problem	**:**	Poor germination, less yield.
Thematic Area	**:**	Varietal assessment
Name of Technology	**:**	Varietals assessments of late duration Pea for higher yield during
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local variety
Assessed Recommended Practice (T_2)	**:**	High Yielding, late group and disease resistance Variety – PSM-3/ Bonnelle.
T_3	**:**	-
Observation to be recorded	**:**	Number of fruits per plants Number of Picking fruit yield B:C Ratio
No. of Trails (Replication)	**:**	05
Name of SMS responsible for OFT	**:**	**Smt. Savita Rajput**

OFT- 5

Title : Varietals assessments of Bottle Gourd.

Season & Year	**:**	Rabi, 2013
Problem	**:**	Less yield and poor quality due to infestation of Red pumpkin beetle.
Thematic Area	**:**	Varietal assessment
Name of Technology	**:**	Varietals assessments of Bottle Gourd for higher yield
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local variety
Assessed Recommended Practice (T_2)	**:**	High Yielding and insect resistance Variety- Gutka/ VNR var.
T_3	**:**	-
Observation to be recorded	**:**	Number of fruits per plants yield B:C Ratio
No. of Trails (Replication)	**:**	05
Name of SMS responsible for OFT	**:**	**Smt. Savita Rajput**

OFT- 6

Title : Assessment of Power Tiller for Biasi.

Season & Year	**:**	Kharif, 2013
Problem	**:**	**:** I kharif nearly 60-70 % area covered under direct seeded or lehi method maintaining proper plant population and conservation of water are major constraint
Thematic Area	**:**	Farm Mechanization
Name of Technology	**:**	Self Propelled Power Tiller
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Power Tiller
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. BC Ratio 3. Energy (MJ/ha) 4. Man/hr 5. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Er. Sameer Shantaiya**

OFT- 7

Title : Assessment of Marker for SRI technique.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Lack of knowledge about technology and awareness about SRI transplanting
Thematic Area	**:**	Farm Mechanization
Name of Technology	**:**	Due to increase in cost of cultivation with special reference to labour and time.
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Marker
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 4. BC Ratio 5. Energy (MJ/ha) 5. Man/hr 6. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Er. Sameer Shantaiya**

OFT- 8

Title : Assessment of package of practice.

Season & Year	**:**	Rabi, 2013
Problem	**:**	Timely sowing and uniform depth of crop sowing.
Thematic Area	**:**	Farm Mechanization
Name of Technology	**:**	Rotavator + TD Seed Cum Fertilizer Drill
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Rotavator + TD Seed Drill Cum fertilizer
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. BC Ratio 3. Energy (MJ/ha) 4. Man/hr 5. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Er. Sameer Shantaiya**

OFT- 9

Title : Assessment of line sowing of Chickpea.

Season & Year	**:**	Rabi, 2013
Problem	**:**	Timely sowing and uniform depth of crop sowing.
Thematic Area	**:**	FIM
Name of Technology	**:**	TD Seed Cum Fertilizer Drill
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	TD Seed Drill Cum fertilizer
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. BC Ratio 3. Energy (MJ/ha) 4. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Er. Sameer Shantaiya**

OFT- 10

Title : Suitable management and Assessment of chlorantraniliprole for management of rice stem borer.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Low yield due to incidence of YSB insect.
Thematic Area	**:**	IPM
Name of Technology	**:**	chlorantraniliprole 18.5% SC- 60 ml/ha
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	chlorantraniliprole 18.5% SC- 60 ml/ha
T_3	**:**	-
Observation to be recorded	**:**	1. Yield (q/ha) 2. No. of larvae par five stubles 3. no. of Ear head par squre metar 4. No. of larvae par squre metar 5. BC Ratio 6. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Dr. Dushyant Kumar Kaushik**

OFT- 11

Title : Assessment of Buprofezin for management of Brown plant hopper.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Low yield due to incidence of BPH insect.
Thematic Area	**:**	IPM
Name of Technology	**:**	Buprofezin 25% WP – 500 ml/ha
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Buprofezin 25% WP – 500 ml/ha
T_3	**:**	-
Observation to be recorded	**:**	1. Yield (q/ha) 2. No. of BPH (nymph & adult) par hill 3. BC Ratio 4. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Dr. Dushyant Kumar Kaushik**

OFT- 12

Title : Assessment of Thiamethoxam for Brown plant hopper

Season & Year	**:**	Rabi, 2013
Problem	**:**	Low yield due to BPH
Thematic Area	**:**	IPM
Name of Technology	**:**	Thiamethoxam 25 % WG – 100g/ha.
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Thiamethoxam 25 % WG – 100g/ha.
T_3	**:**	-
Observation to be recorded	**:**	1. Yield (q/ha) 2. No. of BPH (nymph & adult) par hill 3. BC Ratio 4. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Dr. Dushyant Kumar Kaushik**

OFT- 13

Title : Mechanical killing of egg masses of Rice Stem Borer and Assessment of Cartap hydrochloride for management of rice stem borer.

Season & Year	**:**	Rabi, 2013
Problem	**:**	Low yield due to BPH
Thematic Area	**:**	IPM
Name of Technology	**:**	Cartap hydrochloride-4G-@20kg/ha
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Cartap hydrochloride-4G-@20kg/ha
T_3	**:**	-
Observation to be recorded	**:**	1. Yield (q/ha) 2. No. of egg masses par five plant 3. no. of Ear head par squre metar 4. No. of larvae par squre metar 5. BC Ratio 6. Feed Back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Dr. Dushyant Kumar Kaushik**

OFT- 14

Title : Evaluation of improvement in Biasi Cultivation of Rice through Crop Management.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Use of high seed red coupled with heavy infestation of weeds in biasi system of Rice cultivation.
Thematic Area	**:**	Integrated crop management
Name of Technology	**:**	60 kg seed/ha+ Bispyribac Na+ Ethoxisulfuron (PoE at 20-25 DAS i.e.2-3 leaf stage of weeds) + Bispyribac Na (PoE at 40 DAS)
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	60 kg seed/ha+ Bispyribac Na+ Ethoxisulfuron (PoE at 20-25 DAS i.e.2-3 leaf stage of weeds) + Bispyribac Na (PoE at 40 DAS)
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. Plant height 3. No. of Tillers/m^2
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Shri Shashi Kant Suryavanshi**

OFT- 15

Title : Assessment of comparative yield performance of newly released variety of Rice.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Low yield & severe insect and disease infestation in old variety of Rice.
Thematic Area	**:**	Yield performance
Name of Technology	**:**	New released variety Rajeshwari / Durgeshwari/Maheshwari.
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	New released variety Rajeshwari / Durgeshwari/ Maheshwari
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. Plant height 3. No. of Tillers/m^2
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Shri Shashi Kant Suryavanshi**

OFT- 16

Title : Assessment of system of Irrigation through Sprinkler on wheat.

Season & Year	**:**	Rabi, 2013
Problem	**:**	Lack of knowledge imbalance irrigation.
Thematic Area	**:**	Water management
Name of Technology	**:**	irrigation through sprinkler system.
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	irrigation through sprinkler system.
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. No. of Tillers/m^2 3. BC : Ratio 4. Feed back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Shri Shashi Kant Suryavanshi**

OFT- 17

Title : Assessment of Rice–based Cropping System under limited (One) irrigation during Rabi.

Season & Year	**:**	Rabi, 2013
Problem	**:**	Field remain fallow after long duration Rice.
Thematic Area	**:**	Integrated Crop management
Name of Technology	**:**	Rice (early to medium i.e. < 120days duration)-gram with one irrigation**.**
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Rice (early to medium i.e. < 120days duration)-gram with one irrigation.
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. No. of Pod /Plant 3. Plant height 4. BC : Ratio 5. Feed back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Shri Shashi Kant Suryavanshi**

OFT- 18

Title : Assessment of STCR based nutrient management in Rice.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Use of imbalance nutrient in Rice affect crop yield as well as cost of cultivation**.**
Thematic Area	**:**	Integrated Nutrient management
Name of Technology	**:**	Use of RDF (Recommended dose of fertilizers) as per recommendation of Zonal station of IGKV Raipur/Ambikapur/Jagdalpur
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Integrated Nutrient Management under Rice based on soil test crop response studies (STCR)
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. No. of tillers/Plant 3. Plant height 4. BC : Ratio 5. Net income 6. Feed back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Shri Khema Das Mahant**

OFT- 19

Title : Assessment of urea with fungicide (Carbendazim+Mencozeb) in Rice.

Season & Year	**:**	Kharif, 2013
Problem	**:**	Maximum rice (80%) are affected by heavy loss of nitrogen by leaching and volatilization, resulting less no. of tiller and most of the area of rice are affected by blast and blight disease due to no treatment of seed resulting low yield.
Thematic Area	**:**	Integrated Nutrient management
Name of Technology	**:**	50 kg urea/ ha. As a basal dose + 1200gm (Carbendazim+Mencozab)
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	50 kg urea/ ha. As a basal dose + 1200gm (Carbendazim+Mencozab)
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. No. of tillers/Plant 3. Plant height 4. BC : Ratio 5. Net income 6. Feed back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Shri Khema Das Mahant**

OFT- 20

Title : Assessment of STCR based nutrient management in Wheat

Season & Year	**:**	Rabi, 2013
Problem	**:**	Use of imbalance nutrient in Wheat affect crop yield as well as cost of cultivation
Thematic Area	**:**	Integrated Nutrient management
Name of Technology	**:**	Use of RDF (Recommended dose of fertilizers) as per recommendation of Zonal station of IGKV Raipur/Ambikapur/Jagdalpur
Source of Technology	**:**	IGKV, Raipur
Farmer's Practice (T_1)	**:**	Local
Assessed Recommended Practice (T_2)	**:**	Integrated Nutrient Management under Wheat based on soil test crop response studies (STCR)
T_3	**:**	-
Observation to be recorded	**:**	1. Yield 2. No. of tillers/Plant 3. Plant height 4. BC : Ratio 5. Net income 6. Feed back
No. of Trails (Replication)	**:**	04
Name of SMS responsible for OFT	**:**	**Shri Khema Das Mahant**

Summery of FLD to be Conducted

S. No.	Season	Title of FLD	Crop Technology	Area in (ha) / No.
1.	Kharif 2013	**Demonstration on** Pigeon pea **variety Rajeevlochanv with recommended package of practices**	Pigeon pea	05
2.	Kharif 2013	**Demonstration on** Sesame **variety JT-21with recommended package of practices**	Sesame	05
3.	Kharif 2013	**Demonstration on Rice varieties with recommended package of practices**	Rice	15
4.	Rabi 2013-14	**Demonstration on ChickPea variety Indira Chana-1 with recommended package of practices**	Chickpea	10
5.	Rabi 2013	**Demonstration on Wheat variety Ratan with recommended package of practices**	Wheat	05
6.	Rabi 2013	**Demonstration on Mustard variety Pusa Bold with recommended package of practices**	Mustard	05
7.	Rabi 2013	**Demonstration on Safflower variety JSF-1with recommended package of practices**	Safflower	05
8.	Rabi 2013	**Demonstration on Oyster Mushroom variety**	Mushroom	05
9.	Rabi 2013	**Demonstration on Onion variety Agrifound Dark Red with recommended package of practices**	Onion	05
10.	Summer 2013	**Demonstration on Maize variety Navjot with recommended package of practices**	Maize	05
11.	Summer 2013	**Demonstration on Black gram variety Indira Urd-1 with recommended package of practices**	Black gram	05
12.	Summer 2013	**Demonstration on Green gram variety Parry Moong with recommended package of practices**	Green gram	05

FLD-1

Tilte of FLD	FLD on Paddy
Season & Year	Kharif 2013
Number of Demonstrations	36
Farmers Practices	Using broadcast method of sowing, Seed treatment is not in practice, Low yield verities, Low yield due to Leaf blast, sheath blight, stem borer, gall midge, lack of knowledge of suitable fungicides & insecticides, unawareness of balance fertilizers and nutrient management.
Problem diagnose	Low productivity of old variety .
Thematic area	DM, Farm Mechanization, CP, INM & IPM
Name of Technology	High yielding variety, Line sowing by TD Seed cum fertilizer drill, Plant protection measures, Application of nutrients .
Details of technology selected	Maheshwari – Leaf Blast and Sheath blight resistant, Gall midge, Stem borer resistant (130-135 days). Durgeshwari -Leaf Blast, Sheath blight and Sheath rot resistant, Gall midge, resistant (130-135 days). Indira Sona (Hybrid) – Blast and Gall midge resistant. Indira Sugandhit dhan-1 - Gall midge resistant.
Source of technology (Year)	IGKVV 2008
Characteristic of technology	It improves the yield and quality of grains, protects the crop from diseases and insects.
Farming situation	Midland-Rainfed.
Performance indicator/parameter	Yield, Major disease/pest incidence, FIM, INM
Name of SMS responsible for FLD	**N.K.Toorray, S.Shantiaya, S.K. Suryavanshi, D.K.Kaushik & K.D.Mahant**.

FLD-2

Tilte of FLD	FLD on Pegion pea
Season & Year	Kharif 2013
Number of Demonstrations	12
Farmers Practices	Cultivation of Arhar variety of Asha using broadeast method of sowing.
Problem diagnose	Low productivity of old variety .
Thematic area	IDM & CP
Name of Technology	High yielding variety.
Details of technology selected	Rajivlochan, Average yield-18-20 Q/ha., Duration-180-190 days, Wilt and sterility resistant var.
Source of technology (Year)	IGKVV 2008
Characteristic of technology	It improves the yield and quality of grains, protects the crop from wilt and sterility mosaic disease.
Farming situation	Upland - Rainfed
Performance indicator/parameter	Plant population, Pods, Test weight & Major disease/pest incidence.
Name of SMS responsible for FLD	**N.K. Toorray & S.K. Suryavanshi**

FLD-3

Tilte of FLD	FLD on Sesamum (Til)
Season & Year	Kharif 2013
Number of Demonstrations	12
Farmers Practices	Farmers grow paddy or local Til variety with low productivity.
Problem diagnose	Low yield due to – Use of local variety seed - Imbalance use of fertilizer - Infestation of leaf blight disease
Thematic area	INM & IDM
Name of Technology	JT -21, high oil content ,white seeded, tole to Bact leaf spot &dwarf plant.
Details of technology selected	Application of sulphur, balance fertilizer & Improved plant protections measures .
Source of technology (Year)	IGKVV , Raipur
Characteristic of technology	It improves the yield and quality of grains, protects the crop from diseases and insects.
Farming situation	Upland-Rainfed
Performance indicator/parameter	Plant population, Pods, Test weight & Major disease/pest incidence.
Name of SMS responsible for FLD	**N.K. Toorray & K.D. Mahant**

FLD- 4

Tilte of FLD	FLD on Chick pea
Season & Year	Rabi 2013
Number of Demonstrations	24
Farmers Practices	Broadcast method of sowing, No seed treatment, Use of poor quality seed & Imbalance of fertilizers
Problem diagnose	Low yield due to – Use of local variety seed - Seed treatment not in practice - Imbalance use of fertilizer - Infestation of pod borer & wilt
Thematic area	Farm Mechanization, IDM, CP & INM
Name of Technology	Varietal & IDM Indira Chana -1, High yielding ,Medium duration , Wilt resistance ,tolerant to high tem & drought
Details of technology selected	Introduction of new variety , use of balance fertilizer & Improved plant protection measures .
Source of technology (Year)	IGKVV , 2010
Characteristic of technology	It improves the yield and quality of grains, protects the crop from diseases and insects.
Farming situation	Midland-Rainfed
Performance indicator/parameter	Plant population, Pods, Test weight & Major disease/pest incidence,FIM
Name of SMS responsible for FLD	**N.K.Toorray, S.Shantiaya, S.K. Suryavanshi, & K.D.Mahant**.

FLD-5

Tilte of FLD	FLD on Mustard
Season & Year	Rabi 2013
Number of Demonstrations	12
Farmers Practices	Utera or kept field fallow after harvest of paddy No seed treatment, Use of poor quality seed & Imbalance of fertilizers
Problem diagnose	Low yield due to – Use of local variety seed - Imbalance use of fertilizer - Infestation of Apid
Thematic area	CP and IPM
Name of Technology	Varietal, INM & IPM Variety: Pusa Bold, Grain medium bold and brown in colour, Medium duration & High yielding.
Details of technology selected	Sulphur, balance fertilizer & Improved plant protections measures
Source of technology (Year)	IGKVV , 2009
Characteristic of technology	It improves the yield and quality of grains.
Farming situation	Midland-Rainfed
Performance indicator/parameter	Plant population, Pods, Test weight & Major disease/pest incidence.
Name of SMS responsible for FLD	**S.K. Suryavanshi, D.K. Kaushik & S. Rajput**

FLD-6

Tilte of FLD	FLD on Safflower
Season & Year	Rabi 2013
Number of Demonstrations	12
Farmers Practices	Utera or kept field fallow after harvest of paddy No seed treatment, Use of poor quality seed & Imbalance of fertilizers
Problem diagnose	Low yield due to – Use of local variety seed - Imbalance use of fertilizer - Infestation of Apid
Thematic area	CP and IPM
Name of Technology	Varietal& IPM JSF-1 – Apid resistant var., duration 135-145 days.
Details of technology selected	sulphur,balance fertilizer & Improved plant protections measures .
Source of technology (Year)	IGKVV
Characteristic of technology	It protects the crop from insect –pests.
Farming situation	Midland-Rainfed
Performance indicator/parameter	Plant population, Pods, Test weight & Major disease/pest incidence.
Name of SMS responsible for FLD	**S.K. Suryavanshi & D.K. Kaushik**

FLD-7

Tilte of FLD	FLD on Wheat
Season & Year	Rabi 2013
Number of Demonstrations	12
Farmers Practices	Used Lok-1 variety
Problem diagnose	Low yield potential of existing Lok-1 variety .
Thematic area	Farm Mechanization, Crop production and DM
Name of Technology	**Ratan, Average yield- 20-22 Q/ha., Duration-110-115 days.**
Details of technology selected	Rainfed Wheat
Source of technology (Year)	IGKVV , Raipur
Characteristic of technology	High yielding variety
Farming situation	Upland and Midland-Irrigated
Performance indicator/parameter	No. of effective tillers/m2 , No. of grains per penicle, Test weight, Major disease/pest incidence.
Name of SMS responsible for FLD	**N.K. Toorray, S.Shantiaya, K.D. Mahant**

FLD-8

Tilte of FLD	FLD on Mushroom -Cultivation
Season & Year	Rabi 2013
Number of Demonstrations	16
Farmers Practices	Low yield verities, lack of knowledge of production technology, unawareness.
Problem diagnose	Low productivity of old variety and unawareness of Mushroom production tech.
Thematic area	Mushroom
Name of Technology	High yielding variety of oyster Mushroom.
Details of technology selected	Indira Sweta
Source of technology (Year)	IGKVV
Characteristic of technology	High yielding and high nutritious variety
Farming situation	Irrigated
Performance indicator/parameter	Yield
Name of SMS responsible for FLD	**N.K. Toorray**

FLD-9

Tilte of FLD	FLD on Onion
Season & Year	Rabi 2013
Number of Demonstrations	12
Farmers Practices	Low yield verities
Problem diagnose	Low productivity of old variety .
Thematic area	Horticulture
Name of Technology	Onion Agri Found Dark Red
Details of technology selected	Improved Varity
Source of technology (Year)	IGKVV
Characteristic of technology	High Yielding
Farming situation	Upland-Irrigated
Performance indicator/parameter	Yield
Name of SMS responsible for FLD	**S. Rajput**

FLD-10

Tilte of FLD	FLD on Maize
Season & Year	Summer 2013
Number of Demonstrations	12
Farmers Practices	Low yielding var.
Problem diagnose	Either grow relay crop with low productivity or kept field fallow.
Thematic area	Farm Mechanization, CP, and IPM
Name of Technology	Varietal introduction (**Navjot) ,** IPM and FIM.
Details of technology selected	High yielding , Short duration, maturity 85-90 days, 40 q/ha.
Source of technology (Year)	IGKVV
Characteristic of technology	High yielding.
Farming situation	Upland- Irrigated
Performance indicator/parameter	Plant population, Pods, Test weight & Major disease/pest incidence.
Name of SMS responsible for FLD	**S.Shantiaya, S.K. Suryavanshi, D.K. Kaushik**

FLD-11

Tilte of FLD	FLD on Block Gram (Urd)
Season & Year	Summer 2013
Number of Demonstrations	12
Farmers Practices	Low yield verities and low yield due to yellow mosaic and Powdery mildew.
Problem diagnose	Low productivity of old variety .
Thematic area	CP, DM and IPM
Name of Technology	High yielding and disease resistant variety.
Details of technology selected	Indira Urd-1- yellow mosaic and Powdery mildew resistant, duration 75-80 days, yield 12-14q/ha.
Source of technology (Year)	IGKVV
Characteristic of technology	High yielding and disease resistant variety.
Farming situation	Midland-Irrigated
Performance indicator/parameter	Yield
Name of SMS responsible for FLD	**N.K.Toorray, S.K. Suryavanshi, D.K.Kaushik & K.D.Mahant**.

FLD-12

Tilte of FLD	FLD on Green Gram (Moong)
Season & Year	Summer 2013
Number of Demonstrations	12
Farmers Practices	Low yield verities and low yield due to yellow mosaic and Powdery mildew.
Problem diagnose	Low productivity of old variety .
Thematic area	CP, INM , DM and IPM
Name of Technology	High yielding and disease resistant varity.
Details of technology selected	Pairy Moong- yellow mosaic and Powdery mildew resistant, duration 90-95 days, yield 10-12q/ha.
Source of technology (Year)	IGKVV
Characteristic of technology	High yielding and disease resistant variety.
Farming situation	Midland-Irrigated
Performance indicator/parameter	Yield
Name of SMS responsible for FLD	**N.K.Toorray, S.K. Suryavanshi, & D.K.Kaushik.**

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