

ANNUAL ACTION PLAN

1st APRIL, 2013 - 31st MARCH, 2014

ZONE VII



KRISHI VIGYAN KENDRA
INDIRA GANDHI KRISHI VISHWAVIDYALAYA
JAGDALPUR, BASTAR (C.G.)



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PERIOD – April 2013 to March, 2014
Summary of the activities KVK, Bastar

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
KVK Bastar	OFTs	13	55			
KVK Bastar	FLDs – Oilseeds (activity in ha)	06	15			
KVK Bastar	FLDs – Pulses (activity in ha)	06	15			
KVK Bastar	FLDs – Cotton (activity in ha)	00	00			
KVK Bastar	FLDs – Other than Oilseed and pulse crops(activity in ha)	20	50			
KVK Bastar	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	05	10			
KVK Bastar	Training-Farmers and farm women	65	1800			
KVK Bastar	Training-Rural youths	10	250			
KVK Bastar	Training- Extension functionaries	07	85			
KVK Bastar	Extension Activities	250	2000			
KVK Bastar	Seed Production (Number of activity as seeds in quintal)	06	300			480000
KVK Bastar	Planting material ((Number of activity as quantity of planting material in quintal)	02	10000			10000
KVK Bastar	Seedling Production (Number of activity as number of seedlings in numbers)	04	20000			5000
KVK Bastar	Sapling Production (Number of activity as number of sapling in numbers)	02	2000			2000
KVK Bastar	Other Bio- products (No. of quantity)	04	300 kg			2000
KVK Bastar	Live stock products	02	150 nos.			1000
KVK Bastar	Activities of Soil and Water Testing Laboratory	01	250			
KVK Bastar	Rainwater Harvesting System	03	100			
KVK Bastar	Kisan Mobile Advisory (KVK-KMA)	52	1005			
KVK Bastar	SAC Meeting (Date & no. of core/ official members)	02/05/2013	34 member			
KVK Bastar	Literature to be Developed/Published	04	2000			
KVK Bastar	Convergence programmes / Sponsored programmes	40	1000			250000

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
KVK Bastar	Utilization of Farmers Hostel	20	500			
KVK Bastar	Utilization of Staff Quarters	05	05			
KVK Bastar	Details of KVK Agro-technological Park	01	250			
KVK Bastar	Crop Cafeteria-	06	250			
KVK Bastar	Farm Innovators- list of 10 farm innovators from the District	03	03			
KVK Bastar	Status of Revolving Funds	112835	112835			
KVK Bastar	Awards and Recognitions	05	05			
KVK Bastar	Case study / Success Story to be developed	02	02			
KVK Bastar	KVK Progressive Farmers interaction	02	60			
KVK Bastar	Outreach of KVK in the District (No. of blocks, no. of villages)	07	34			
KVK Bastar	Technology Demonstration under Tribal Sub Plan	40	100			
KVK Bastar	KVK Ring	03	03			
KVK Bastar	Important visitors to KVK	10	10			
KVK Bastar	Status of KVK Website	updated	working			www.kvkbastar.org
KVK Bastar	Status of RTI	03	03			
KVK Bastar	E-connectivity	00	00			
KVK Bastar	Details of Technology Week Celebrations	03	370			
KVK Bastar	Interventions on Drought Mitigation	01	550			
KVK Bastar	Proposal of NAIP	00	00			
KVK Bastar	Proposal of NICRA	01	01			
KVK Bastar	Well labeled photographs	10	10			
KVK Bastar	Other Activities	00	00			

1. GENERAL INFORMATION

1.1. Staff Position (as on Feb. 01, 2013)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
KVK Bastar	Programme Coordinator	Vacant								
KVK Bastar	Subject Matter Specialist1	Ms. Ratna Nashine	Home Science	M. Phil.	Home Science	37400-67000 +9000 AGP	46440 + 9000 AGP	22.04.1993	Temporary	GEN
KVK Bastar	Subject Matter Specialist2	Dr. S. C. Yadav I/c P.C.	Pathology	Ph. D.	Plant Pathology	15600-39100+6000 AGP	21170 + 6000 AGP	30.03.2009	Temporary	GEN
KVK Bastar	Subject Matter Specialist3	Sh. R. S. Rajpoot	Soil Science	M. Sc.	Soil Science	15600-39100 +5400 GP	15600 + 5400 GP	06.09.2012	Temporary	GEN
KVK Bastar	Subject Matter Specialist4	Er. Rahul Sahu	Agricultural Engineering & Food Processing	M. Tech.	Agricultural Engineering & Food Processing	15600-39100 +5400 GP	15600 + 5400 GP	06.09.2012	Temporary	OBC
KVK Bastar	Subject Matter Specialist5	Smt. Gunjan Jha	Horticulture	M. Sc.	Horticulture	15600-39100 +5400 GP	15600 + 5400 GP	06.09.2012	Temporary	GEN
KVK Bastar	Subject Matter Specialist6	Sh. Toshan Kumar Thakur	Fisheries	M. Sc.	Fisheries	15600-39100 +5400 GP	15600 + 5400 GP	11.09.2012	Temporary	ST

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
KVK Bastar	Farm Manager	Shri Dushyant Pande	Agronomy	M. Sc.	Agronomy	9300-34800 + 4200 GP	9300 + 4200 GP	17.09.2012	Temporary	GEN
KVK Bastar	Programme Assistant	Vacant								
KVK Bastar	Computer Programmer	Smt. Sonali Rajpoot	Computer	M.Sc.	IT	9300-34800 + 4200 GP	9300 + 4200 GP	06.09.2012	Temporary	GEN
KVK Bastar	Accountant / superintendent	Shri S. R. Sahu	Assist Grade-I	B.Com	Commerce	5200-20200 +2800	13900 + 2800 GP	31.07.2010	Temporary	OBC
KVK Bastar	Stenographer	Vacant								
KVK Bastar	Driver	Shri S. K Uike	Driver	ITI	Mechanic	5200-20200 +1900	6650 + 1900 GP	29.04.2008	Temporary	SC
KVK Bastar	Driver	Vacant								
KVK Bastar	Supporting staff	Shri R.B. Sahu	Chowkidar	HSC	Science	5200-20200 +1800	8860 + 1800 GP	16.08.2001	Temporary	OBC
KVK Bastar	Supporting staff	Shri Rohanu	Messenger	Primary	-	4750-7440 +1300	5960 + 1300 GP	02.02.2007	Temporary	SC

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

Jagdalpur is the head-quarter of Bastar district having total geographical area of 403003 ha with 238802 ha land under forest and 219626 ha land under cultivation. The cropping intensity is 117 per cent in the district. Bastar district is surrounded by the state border of Orissa in the east and Maharashtra in the west. Dantewada and Sukma district is in south and Narayanpur and Kondagaon district in North.

It is situated on 19° 05' to 25' on longitude and 82° 01' to 82° 30' on latitude. It is situated on 566.84m above MSL. The maximum temperature of 40.2° C in May and the lowest 6.1° C is recorded in January. The annual rainfall range is 1200-1400 mm. The rainfall is received principally by southwest monsoon. More than 90% rainfall is received in the month of August and September and with the possibilities of winter rains every year.

About 69.32 Per cent of farmers in the district are small and marginal, having less than one hectare (2.5 acre) land, rest 30.68 Per cent farmers are in category of big farmer but the area are monocropped and only 117 per cent cropping intensity. With traditional farming practices, they are unable to earn sufficient to fulfill their family need.

GENERAL PROFILE BASTAR DISTRICT:-

Geographical area	403003 ha	Male population	254664(49.02%)
Forest area	238802 ha (52.10%)	Female population	264893 (50.98%)
Cultivated area	219626 ha (47.90%)	Literacy	Male - 58.12% Female - 30.15 %
Double cropped area	6423 ha (2.92%)	ST/SC	69.88 %
Average rainfall	1294.50 mm	Others	30.12 %

Cropping intensity	117 %	Total farm families	98711
Fertilizer consumption (N:P:K)	25.42:18.28:6.85 kg/ha	Marginal Farmers	43.94 %
Fertilizer consumption ratio (N:P:K)	3.7 : 2.7 : 1	Small Farmers	25.38 %
Total blocks	07	Big Farmers	30.68 %
Total Gram Panchayats	317	Irrigated area	8.20 %
Major crops	Rice, maize, Blackgram, Niger, Horsegram, minor millets, Gram etc.		
Major Tubers	Jimikand, Colocasia, Ginger, Turmeric, etc.		
Major Spices	Chilli, Garlic, Coriander, Fenugreek etc.		
Major vegetables	Brinjal, Tomato, Okra, Cauliflower, Cabbage, Onion, Cucurbits, leafy vegetables		

Krishi Vigyan Kendra Bastar is also working in the District Kondagaon (divided from Bastar on 24 January 2011). The general information of district Kondagaon are:-

Agro-climatic zone	Bastar Plateau	Geographical area	368700 ha
No. of blocks	05	Net sown area	164990 ha
No. of Villages	498	Area under forest	18080 ha
No. of Forest Villages	50	Fallow/Waste land	10850 ha
Total Villages	548	No. of farmers / Farm families	63228
No. of Small Farmers	15158	Irrigated area (000 ha)	29.29
No. of Marginal Farmers	15506	Kharif sown area (000 ha)	149.30
No. of Big Farmers	32564	Rabi sown area (000 ha)	28.43
No. of Farm Families (SC)	3380 (05.4 %)	Cropping intensity (%)	104
No. of Farm Families (ST)	43760 (69.2 %)	Average rainfall (mm)	1200
No. of Farm Families (Other)	16088 (25.4 %)		
Major crops	Rice, maize, Blackgram, Niger, Horsegram, minor millets, Gram etc.		

Major Tubers	Jimikand, Colocasia, Ginger, Turmeric, etc.
Major Spices	Chilli, Coriander, Fenugreek etc.
Major vegetables	Brinjal, Tomato, Okra, Cauliflower, Cabbage, Onion, Cucurbits, leafy vegetables

Tribal community depends upon NTFP and agriculture for its livelihood. The agriculture is subsistence with almost no external inputs as resulted yields are very low. Therefore, they are becoming more and more dependent on forest for livelihood which in then resulting in damage to forest. Dependency on forests has also resulted in suffering malnutrition anemia and stunted growth reflecting on human resources and human index value.

Bastar plateau sub-humid agro-climatic zone, agriculture is still largely traditional with low crop productivity. Critical inputs viz. improved seed, fertilizer, organic manure, plant protection measures, etc. are also not easily available to the farmers. Farmers do not use proper crop rotation techniques and are also unable to utilize available resources with them fully.

The productivity of arable land is very low and uncertain due to rain fed condition and degraded soils. The causes of low productivity are:-

- Traditional agriculture practices,
- Lack of irrigation facilities,
- Heavy Soil & Water erosion,
- Undulated topography
- Open Animal grazing
- Non adoption of improve technology of cultivation,
- Lack of knowledge among the farmers about the improved crop production techniques.
- Lack of adequate farm machinery, finances for farmers, quality seeds and fertilizers, other facilities such as storage and marketing etc.

The bare hummocky topography and high precipitation has degraded land resources and large area has already converted into wasteland or a holistic integrated farming system approach has help in decreasing the disparity in society as well as fighting the social problems of social evils likes disturbing activities in the region.

Cropping Pattern:

According to farming situation different crop pattern is adopted by farmers in Bastar region are:

- Homestead garden (Badi): Maize-Toria/Tomato/Brinjal/Chilli or maize-fallow
- Upper uplands (Marhan):Millets, Niger, Horsegram, Tubers
- Lower uplands (Tikra): Rice, Millets, Blackgram, Niger, Horsegram, Maize
- Midlands (Mal): Medium duration rice-fallow
- Lowlands(Gabhar): Long duration rice-fallow or gram/vegetables/linseed

Opportunities

- Well established KVK has vast working area.
- Awareness and little interventions in way of doing farming in tribal system can bring big change.
- Organizing of tribal community can strengthen the tribal economy.
- Training to staff will give maximum result in the field.
- As implementing agency for convergence programmes helps in development of tribals.
- Reach in national resources can be utilized for optimum use to increase production.
- Area reach in forest produce and group approach will help tribal for the upliftment.
- Soil and water conservation can be boom to the area.

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2012 to 31.3.2013
(Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
KVK Bastar	Bolbola	2008-09	Kondagaon	80	489	165
KVK Bastar	Jarebendri	2008-09	Kondagaon	82	210	89
KVK Bastar	Bade Chakwa	2009-10	Bastar	42	688	105
KVK Bastar	Tirthum	2010-11	Bastanar	47	986	321
KVK Bastar	Kodenar	2010-11	Bastanar	52	1022	417
KVK Bastar	Badekilepal	2010-11	Bastanar	57	1687	619
KVK Bastar	Palanar	2010-11	Bastanar	67	308	97
KVK Bastar	Irpa	2010-11	Bastanar	63	417	157
KVK Bastar	Dhurguda	2011-12	Jagdapur	16	1200	362
KVK Bastar	Tarapur	2012-13	Jagdapur	25	1700	465

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
KVK Bastar	Enhancement of productivity of major crops like Paddy, Maize, Niger, Ragi, Blackgram, Linseed etc. through varietals diversification, INM, IPM and scientific management practices.
KVK Bastar	Enhancement of productivity of horticultural crops by introduction of HYV and other scientific management practices
KVK Bastar	Mechanization through introduction of improved implements.
KVK Bastar	Empowerment of women through various women based income generating activities
KVK Bastar	Income generation through value addition of crops & NTFP produce
KVK Bastar	To improve living standards of rural people through Sanitation ,health hygiene and balanced diet
KVK Bastar	To promote rural youth for self employment
KVK Bastar	Post harvest technique and value addition
KVK Bastar	Soil and water conservations activities for increase water holding and cropping area

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
KVK Bastar	Low yield due to local variety	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)
KVK Bastar	Imbalance use of fertilizer	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)
KVK Bastar	Timely unavailability quality seeds	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar)
KVK Bastar	Infestation of insect pests	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)
KVK Bastar	Lack of irrigation facilities	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)
KVK Bastar	Open Grazing problem during rabi season	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)
KVK Bastar	Lack of technical knowledge	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)
KVK Bastar	Lack of post harvest & value addition	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)
KVK Bastar	Malnutrition and Sanitation	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Bolbola, Jarebendri (Kondagaon), Bade Chakwa (Bastar), Tirthum Kodonar Badekilepal Paralmeta (Bastanar), Dhurguda (Jagdalpur)

2. On Farm Testing

2.1 Information about OFT to be conducted (2013-14)

KVK name	Year/season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
KVK Bastar	2013/ Kharif	Use of high seed rate, heavy infestation of weeds and Sometime crop fails due to drought situation at time of Biasi	Assessment	ICM	Rice/ weedicide	Upland/ Mid land	04	04	Evaluation of improvement in Biasi cultivation of Rice through crop management				
KVK Bastar	2013/ Kharif	Heavy loss of crop due to paddy stem borer, Brown plant Hopper, blast and sheath blight infestation in paddy	Assessment	IPM	Rice/ Pest Management	Low land	04	04	Assessment of Integrated Pest Management tools in Paddy				
KVK Bastar	2013/ Kharif	Low yield of paddy due to incidence of blast and other diseases	Assessment	Disease Management	Rice / Fungicide	Upland/ Mid land	05	05	Management of blast and other important disease of paddy				
KVK Bastar	2013/ Kharif	Poor yield due to use of existing local varieties and high seed rate in broadcasting	Assessment	Varietal Evaluation	Kodo Millet / Indira Kodo-1	Upland	04	04	Assessment of Improved Variety of Kodo millet				
KVK Bastar	2013/ Kharif	Lower yields are being obtained by the farmers than the potential yields	Assessment	INM	Rice / Fertilizers	Mid land	04	04	Yield maximization of Rice on the basis of STCR				
KVK Bastar	2013/ Kharif	Yield losses due to heavy infection of blast in finger millet	Assessment	Varietal Evaluation	Finger millet / Indira Ragi-1	Upland	04	04	Assessment of blast resistant HYV of finger millet				

KVK Bastar	2013/ Kharif	Yield losses due to heavy infection of weeds in Blackgram	Assessment	Weed Management	Blackgram/weedic ide Imazetha pyre	Upland	04	04	Assessment of chemical weed management in Blackgram				
KVK Bastar	2013/ Kh3rif	Low survival of quality fish seed.	Assessment	Fish Production	Fish /Spawn	Mid land / lowland	04	04	Assessment of spawn to fry raising in village ponds				
KVK Bastar	2013/ Kharif	Low survival of fingerlings	Assessment	Fish Production	Fish /Spawn	Mid land / lowland	04	04	Assessment of fry to fingerling production in Village ponds.				
KVK Bastar	2013/ Mid Kharif	Local variety with low yield and high seed rate in broadcasting	Assessment	Variety evaluation	Horsegram /Indira Kulthi 1	Upland	05	05	Assessment of HYV with line sowing of Horsegram				
KVK Bastar	2013-14 / Rabi	Low yield Due to traditional methods (Broadcasting) and high seed rates causes un proper coverage of seed	Assessment	Agriculture Engineering	Paddy Transplanter	Midland	05	05	Assessment of self propelled paddy Transplanter				
KVK Bastar	2013-14 / Rabi	Yield affected due to micronutrient deficiency	Assessment	INM	Maize/ micronut rient	Upland	04	04	Assessment Micronutrient on the basis of STCR for target yield in Maize				
KVK Bastar	2013-14 Rabi	Yield losses due to heavy infection of YMV in Green Gram	Assessment	Varietal Evaluation	Green Gram /PM-02-03	Upland	05	05	Assessment of YMV resistant HYV of Green gram				
KVK Bastar	2013-14	Lack of knowledge of cashew nut processing	Assessment	Post Harvesting	Cashew nut Processing		04	04	Assessment of small scale cashew nut processing unit.				

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Hybrid Maize variety	Maize hybrid variety Scorpio with recommended cultivation practice gave higher yield (24%) as existing hybrids in the district, hence technology can be recommended for large scale of adoption	Maize hybrid variety Scorpio promotion for cultivation
Assessment of Improved Variety of Finger millet	Variety GPU-28 Gave good yield hence it may be recommended for large scale adoption with cultivation practices of finger millet	Finger millet variety GPU-28 spread for cultivation with use of blast control measures
Assessment of wilt resistance variety of Brinjal (Chhatishgadia)	Variety Chhatishgadia and seed treatment with <i>Tricoderma viridi</i> @ 10gm/kg show the resistance against wilt and gave good yield hence it may be recommended for adoption with cultivation practices	Brinjal variety Chhatishgadia with seed treatment through <i>Tricoderma viridi</i> @ 10gm/kg promote for cultivation
Assessment of Nominee Gold (Bispyribac Sodium) weedicide for weed control in transplanted rice	Nominee Gold (Bispyribac Sodium) weedicide @ 200 ml/ha at 3-4 leaf stage of weeds (about 25-35 DAT) show maximum control of weeds and no affected the paddy crop plant growth and gave good yield, hence it may be recommended for adoption	Nominee Gold (Bispyribac Sodium) weedicide @ 200 ml/ha at 3-4 leaf stage of weeds (about 25-35 DAT) were promote at Post emergence weedicide
Assessment of Contaf 5 EC fungicide for management of rice blast	Contaf 5 EC (Hexaconazole) Fungicide @ 2 ml/ltr of water after symptoms of disease appearance show maximum control of blast and having good yield, hence it may be recommended for adoption	Contaf 5 EC (Hexaconazole) Fungicide @ 2 ml/ltr are effective in control of Blast of Rice
Assessment of new improved variety of lentil	Lentil improved variety DPL 62 with recommended cultivation practice gave higher yield 4.85 qt./ha and less affected with wilt disease	Lentil improved variety DPL 62 with seed treatment by Thiram@ 2gm/kg seed
Assessment of new improved variety of Wheat HI 1544	Improved variety of wheat HI 1544 with recommended cultivation practice gave higher yield 26.20 qt/ha as existing local varieties, hence technology is recommended for adoption	wheat HI 1544 with recommended cultivation practice gave higher yield 26.20 qt./ha
Assessment of newly weedicide Vesta (Clodinofof Propargyl 15% + Metsulfuran Methyl 1 % WP) in Wheat	Pre-mix Clodinofof Propargyl 15% + Metsulfuran Methyl 1 % WP weedicide@ 400gm/ha effectively control the annual grasses and broad leaf weeds in wheat crop as post emergence, hence technology has recommended for adoption	Vesta weedicide@ 400gm/ha effectively control the annual grasses and broad leaf weeds in wheat crop

2.2 Economic Performance

KVK name	OFT Title				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)			
					FP (T ₁)	RP (T ₂)		FP (T ₁)	RP (T ₂)		FP (T ₁)	RP (T ₂)		FP (T ₁)	RP (T ₂)		

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (up to 2012-13)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
KVK Bastar	Maize/Hybrid 30 R 77 -Kharif	ICM	Hybrid variety seed 20 kg/ha, NPK 100:60:40 with line sowing R X P : 45X20 cm and agriculture practices	Demonstrations, Trainings and field exposure visits	35	413	600
KVK Bastar	Maize/ Hybrid- 30 v 92 Rabi	ICM	Hybrid variety seed 20 kg/ha, NPK 100:60:40 with line sowing R X P : 45X20 cm and agriculture practices	Hybrid Maize Cultivation in upland situation in Bastar District	15	632	850

KVK Bastar	Fruit plantation (Mango)+ Rice followed by vegetable production	ICM	Horti Based Cropping System with improve methods of production for optimum use of land and water	Demonstrations, Trainings and field exposure visits	14	588	750
KVK Bastar	Rice-chilli cropping system	ICM	Rice follow Chilli cropping system with Improved/Hybrid variety & drip irrigation	Demonstrations, Trainings and field exposure visits	23	162	215
KVK Bastar	Minor Millets/ Line sowing/Improved variety	ICM	Line Sowing of Minor Millets with improved package of practices	Demonstrations, Trainings and field exposure visits	15	227	640
KVK Bastar	Rice/ Line sowing/ transplanting	ICM	Line sowing / Transplanting of improved rice varieties	Line sowing / Transplanting Demonstrations, Trainings and field exposure visits	32	624	1575
KVK Bastar	Niger/Improved variety	ICM	Improved variety with full cultivation package	Demonstrations, Trainings and field exposure visits	16	126	37
KVK Bastar	Rice/Improved variety	ICM	Improved variety with full cultivation package	Demonstrations, Trainings and field exposure visits	26	630	226
KVK Bastar	Gram/Resistant variety	ICM	Wilt resistant variety with full cultivation package	Demonstrations, Trainings and field exposure visits	09	72	18
KVK Bastar	Linseed/Improved variety	ICM	Improved variety with full cultivation package	Demonstrations, Trainings and field exposure visits	08	58	19
KVK Bastar	Vegetables/ Production technology	ICM	Improved variety with full cultivation package	Demonstrations, Trainings and field exposure visits	15	135	43

3.2 Details of FLDs to be implemented during 2013-14

KVK Name	Thematic area	Name of Crop/Enterprise	Season and year	Technology demonstrated	Crop -Area (ha) / Enterprise - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
							Demonstrations	Check		SC	ST	OB C	Others	Total
KVK Bastar	ICM	Paddy	Kharif 2013	Name of variety : Paddy – Samleshwari, karmamasuri, Bamleshwari, MTU1010, MTU1001. Seed rate : 75 kg/ha Method of sowing : Line sowing/transplanting at 25X 15 cm Fertilizer dose – 80:50:40 kg NPK/ ha Weed Management : Bispyribac Na @200-250ml/ha (POE) 25-30 DAS/DAT. Yield target : 40 q/ha	15	High yielding varieties / Karma Masuri, Chandrahasni, Bamleshwari MTU 1010, MTU 1001								
KVK Bastar	ICM	Maize	Kharif 2013	Name of variety: Maize –30 R 77, 900 M gold, Scorpio. Seed rate : 20 kg/ha Method of sowing : Line sowing at 45X 20 cm Fertilizer dose :100:60:40:20 kg NPKS/ ha Weed Management : Atrazine @1-1.5kg /ha (Pre Emrg.). Yield target : 50 q/ha	05	High yielding hybrid/ 30 R 77 Dutch, Scorpio 900MGold								
KVK Bastar	ICM	Finger Millets	Kharif 2013	Name of variety : Finger millet –GPU 28 Seed rate : 12 kg/ha Method of sowing : Line sowing at 15X 05 cm Fertilizer dose :50:30:20 kg NPK/ ha Weed Management : hand weeding Yield target : 20 q/ha	05	Improved variety/ GPU-28								

KVK Bastar	ICM	Black gram	Kharif 2013	Name of variety: Blackgram –TAU-1. Seed rate : 20 kg/ha Method of sowing : Line sowing at 30X 10 cm Fertilizer dose :20:40:20 kg NPK/ ha Weed Management : Pendametheline @1kg /ha with 500ltr. water (Pre Emrg.within 1-2DAS). Yield target : 10 q/ha	05	YVM resistant variety (TAU-1) with full package									
KVK Bastar	ICM	Niger	Kharif 2013	Name of variety: Niger –JNC-6, JNC-9. Seed rate : 5 kg/ha Method of sowing : Line sowing at 30X 10 cm Fertilizer dose :20:20:10 kg NPK/ ha Weed Management: hand weeding. Yield target : 05 q/ha	05	High yielding variety (JNC-6)									
KVK Bastar	ICM	Turmeric	Kharif 2013	Name of variety: Turmeric–Roma Seed rate : 15 qt. rhizome/ha Method of sowing : Line sowing at 60 X 20cm Fertilizer dose :150:100:120 kg NPK/ ha Weed Management : Yield target : 200 q/ha	01	High yielding variety (Roma)									
KVK Bastar	ICM	Ginger	Kharif 2013	Name of variety: Ginger–Suprbha Seed rate : 18 qt. rhizome/ha Method of sowing : Line sowing at 60 X 20cm Fertilizer dose :150:100:120 kg NPK/ha Weed Management : Yield target : 200 q/ha	01	High yielding variety (Suprbha)									
KVK Bastar	ICM	Toria/ Mustard	Rabi 2013-14	Name of variety : Toria– JT-1, PT 303. Seed rate : 5 kg/ha Method of sowing : Line sowing at30 X 10 cm Fertilizer dose :60:40:40:20 kg NPKS/ ha Weed Management : Pendamethelene @3.3 ltr /ha (Pre Emrg.) with 700 ltr water. Yield target : 5 q/ha	02	High yielding variety (PT303)									

KVK Bastar	ICM	Linseed	Rabi 2013-14	Name of variety : Linseed –Kartika, RLC-92. Seed rate : 5 kg/ha Method of sowing : Line sowing at 30X 10 cm Fertilizer dose :40:30:20 kg NPK/ ha Weed Management : Pendimetheline @3ltr./ha (Pre Emrg.) with 800ltr. water. Yield target : 6 q/ha	03	High yielding variety (Kartika) with cultivation package									
KVK Bastar	ICM	Pea	Rabi 2013-14	Name of variety : Pea –KPMR 400, Subhra. Seed rate : 100 kg/ha Method of sowing : Line sowing at 30X 10 cm Fertilizer dose :20:40:20 kg NPK/ ha Weed Management : Pendimetheline @1kg /ha (Pre Emrg.) with 800ltr. water. Yield target : 8 q/ha	05	High yielding variety (Subhra, KMPR 400) with full package of practices									
KVK Bastar	ICM	Gram	Rabi 2013-14	Name of variety : Gram –JG-11, JG-74. Seed rate : 80 kg/ha Method of sowing :Broadcasting/ Line sowing at 30X 10 cm Fertilizer dose :20:40:20 kg NPK/ ha Weed Management : Pendimetheline @1kg /ha (Pre Emrg.) with 600ltr. water. Yield target : 10 q/ha	05	Wilt resistant variety (JG-11, JG74)with cultivation package of practices									
KVK Bastar	ICM	Onion	Rabi 2013-14	Name of variety : Onion–Nasik red. Seed rate : 10 kg/ha Method of sowing : Line transplanting at 15 X 10 cm Fertilizer dose :120:60:60 kg NPK/ ha Weed Management : Stamp @ 3.35 ltr /ha (After transplanting.) with 600ltr. water. Yield target : 200 q/ha	2	High yielding var (Nasik Red)									

KVK Bastar	ICM	Brinjal	Rabi 2013-14	Name of variety : Brinjal–Pusa Shyamla, Chhatishgadua. Seed rate : 500 gm/ha Method of sowing : Line transplanting at 60 X 60 cm Fertilizer dose :100:50:50 kg NPK/ ha Weed Management : Stamp @ 2.5 ltr /ha (After transplanting.) with 600ltr. water. Yield target : 200 q/ha	2	Wilt resistant variety (Pusa Shyamla, Chhatishgadua)									
KVK Bastar	ICM	Tomato	Rabi 2013-14	Name of variety : Tomato–Bastaria. Seed rate : 500 gm/ha Method of sowing : Line transplanting at 60 X 45 cm Fertilizer dose :100:50:50 kg NPK/ ha Weed Management : Stamp @ 2.5 ltr /ha (After transplanting.) with 600ltr. water. Yield target : 250 q/ha	2	Wilt resistant variety (Bastaria)									
KVK Bastar	Mushroom Production	Mushroom	Kharif & Rabi 2013-14	Name of variety :Oyster Mushroom– Indira Sweta. Seed rate : 300 gm/Kg dry mass medium Medium : Rice straw Method of production : Plastic bags 1 kg size Yield target : 750gm/kg dry mass	5 nos.	Indira Sweta var. of Oyster Mushroom									
KVK Bastar	ICM	Radish	Rabi 2013-14	Name of variety : Radish–Pusa Chetki Seed rate : 10 kg/ha Method of sowing : Line sowing at 30 X 10 cm Fertilizer dose :50:40:40 kg NPK/ ha Weed Management : Cycle wheel hoe. Yield target : 200 q/ha	1	High yielding variety (Pusa Chetki)									

KVK Bastar	ICM	Okra	Rabi 2013-14	Name of variety : Okra–Super green. Seed rate : 10kg/ha Method of sowing : Line sowing at 30 X 10 cm Fertilizer dose :60:35:35 kg NPK/ ha Weed Management :. Yield target : 75 q/ha	2	YVMV resistant variety (Super green)								
KVK Bastar	ICM	Water melon	Rabi 2013-14	Name of variety : Watermelon–Sugarbaby. Seed rate : 5kg/ha Method of sowing : Line sowing at 120 X 60 cm Fertilizer dose :100:50:50 kg NPK/ ha Weed Management : Yield target : 200 q/ha	2	High yielding (Sugar baby)								

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
KVK Bastar	Rice	Field days	1	105	
		Farmers Training	2	65	
		Media coverage	2	Mass	
		Training for extension functionaries	1	20	
KVK Bastar	Maize	Field days	1	120	
		Farmers Training	3	94	
		Media coverage	2	Mass	
		Training for extension functionaries	1	25	
KVK Bastar	Finger Millets	Field days	1	100	
		Farmers Training	2	66	
		Media coverage	2	Mass	
		Training for extension functionaries	1	15	
KVK Bastar	Black gram	Field days	1	65	
		Farmers Training	2	60	
		Media coverage	1	Mass	
		Training for extension functionaries	1	22	
KVK Bastar	Niger	Field days	1	85	
		Farmers Training	2	70	
		Media coverage	2	Mass	
		Training for extension functionaries	1	25	
KVK Bastar	Torina/ Mustard	Field days	1	75	
		Farmers Training	2	62	
		Media coverage	1	Mass	
		Training for extension functionaries	1	16	
KVK Bastar	Linseed	Field days	1	90	
		Farmers Training	2	65	
		Media coverage	1	Mass	
		Training for extension functionaries	1	22	
KVK Bastar	Pea	Field days	1	110	
		Farmers Training	3	95	
		Media coverage	2	Mass	
		Training for extension functionaries	1	20	

KVK Bastar	Gram	Field days	1	95	
		Farmers Training	2	65	
		Media coverage	2	Mass	
		Training for extension functionaries	1	20	
KVK Bastar	Onion	Field days	1	60	
		Farmers Training	2	65	
		Media coverage	1	Mass	
		Training for extension functionaries	1	15	
KVK Bastar	Brinjal	Field days	1	95	
		Farmers Training	2	65	
		Media coverage	2	Mass	
		Training for extension functionaries	1	20	
KVK Bastar	Tomato	Field days	1	85	
		Farmers Training	2	70	
		Media coverage	2	Mass	
		Training for extension functionaries	1	25	
KVK Bastar	Mushroom	Field days	1	105	
		Farmers Training	2	68	
		Media coverage	2	Mass	
		Training for extension functionaries	1	15	
KVK Bastar	Radish	Field days	1	100	
		Farmers Training	2	66	
		Media coverage	2	Mass	
		Training for extension functionaries	1	15	
KVK Bastar	Okra	Field days	1	70	
		Farmers Training	2	62	
		Media coverage	1	Mass	
		Training for extension functionaries	1	15	
KVK Bastar	Watermelon	Field days	1	100	
		Farmers Training	2	66	
		Media coverage	1	Mass	
		Training for extension functionaries	1	15	

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	KVK Bastar	Rice	Hy 6444	Bayer Crop Science Ltd.	10	05
2	KVK Bastar	Rice	Hy 801	UPL/Advanta India ltd.	05	03
3	KVK Bastar	Rice	Hunder-14	Krishi Dan	05	02
4	KVK Bastar	Rice	Hy PHB-71	Pioneer Co. ltd.	05	02
5	KVK Bastar	Maize	Scorpio	Advanta India	10	04
6	KVK Bastar	Maize	30 R 77 / 30 v 92	Pioneer Co. ltd.	12	02
7	KVK Bastar	Maize	900M Gold/ Hi Shell	Monsanto co. ltd.	10	02
8	KVK Bastar	Chilli	Hy 365	Indus Co. ltd	05	02
9	KVK Bastar	Chilli	Hy VNR-32	VNR Seeds Co. ltd.	05	02
10	KVK Bastar	Okra	Hy Rearch A41/ A40	Ankur Seeds co. ltd.	10	04
11	KVK Bastar	Tomato	Hy 7610	Nunhems Co.	05	02
12	KVK Bastar	Tomato	PKM /522	Indus Co. ltd.	03	01

4. Feedback System

- Group discussion with farmers,
- Technology adoption through farmers opinion
- Progressive farmers view on Improve technology
- Feed back after trainings and demonstration of benefited farmers
- Feedback after exposure visits at demonstration plots

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
KVK Bastar	Accelerate the production through high yielding variety of paddy with line sowing/transplanting	Group discussion with farmers, Progressive farmers view on Improve technology, Trainings and demonstration of benefited farmers,	Improve Skill and knowledge of farmers, Horizontal Spread of improved technology and varieties, socio-economic upliftment of farmers	All the farmers appreciated the performance of the demonstration and ready to adopt the components.
KVK Bastar	Popularization of high yielding variety (Hybrid) of Maize	Group discussion with farmers, Technology adoption through farmers opinion,	Improve awareness of farmers, Horizontal Spread of improved technology and varieties, socio-economic upliftment of farmers	All the farmers appreciated the performance of the demonstration and ready to adopt the components.
KVK Bastar	Accelerate the production through high yielding variety of Niger and Finger millet	Trainings and demonstration of benefited farmers, Exposure visits at demonstration plots	Improve awareness of farmers, Horizontal Spread of improved technology and varieties, socio-economic upliftment of farmers	Farmers are being motivated about high yielding variety of Niger
KVK Bastar	Accelerate the production through use of Rice followed by Chilli cultivation system	Trainings and demonstration of benefited farmers, Exposure visits at demonstration plots	Improve Skill and knowledge of farmers, Horizontal Spread of improved technology and varieties, socio-economic upliftment of farmers	Farmers are ready to use about high yielding varieties

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
KVK Bastar	Required thermo-stat/Very late sown with short duration variety of wheat
KVK Bastar	Required High yielding improved variety of maize as compare to hybrid
KVK Bastar	Multiple resistant varieties (Blast & stem borer resistant) of rice are required in midland situation.
KVK Bastar	Required wilt resistant improved variety of Gram and lentil
KVK Bastar	Required low cost line sowing equipment for upland area
KVK Bastar	Required high yielding improved varieties of rainfed conditions for Rabi crops
KVK Bastar	Wilt resistant varieties for open pollinated vegetables (tomato & brinjal) are required.
KVK Bastar	Effective post emergence weedicide is required in vegetables.
KVK Bastar	YVMV resistant with short duration variety is needed in okra.

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RY	Rural Youth
IS	Extension Personnel

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only.
2. For category, training type and thematic area, use abbreviations only.

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
KVK Bastar	Farmers & Farm Women	Group discussion – Seeing the performance of the Pumpkin crop cultivation in the area few farmers came forward for commercial production	15/04/2012, Bhagdeva, Kondagaon	22
			13/05/2012, Malgaon, Bakawand	17
KVK Bastar	Farmers & Farm Women	Group discussion – Seeing the performance of the Paddy HYV crop cultivation in the area farmers came forward for adoption	13/08/2012, Badechakwa, Bastar	32
			21/09/2012, Badanji, Lohandiguda	20
KVK Bastar	Farmers & Farm Women	Diagnostic field visit - Seeing the performance of the mushroom cultivation and vegetable production in the area few women farmers came forward for commercial production	16/11/2012, Sonarpal, Tokapal	23
			19/11/2012, Beller, Tokapal	28
KVK Bastar	Rural youth	Field visit- Seeing the processing & value addition, vermicomposting in the area few rural youth came forward for commercial production & marketing	11/11/2012, Bhagdeva, Kondagaon	18
			13/02/.2013, Tirthum, Bastanar	31

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
KVK Bastar	FW	ONC	CP	Improved technique of cereals production in Kharif	1	1	30								
KVK Bastar	FW	ONC	HOV	Nursery management of vegetables	1	1	25								
KVK Bastar	FW	ONC	HOF	Fruits production techniques	1	1	28								
KVK Bastar	FW	ONC	HOO	Production technique of Marigold flower	1	1	25								
KVK Bastar	FW	ONC	HOP	Processing and value addition of horticultural crops	1	2	30								
KVK Bastar	FW	ONC	HOT	Improve technique of Tuber crop production	1	1	33								
KVK Bastar	FW	ONC	HOS	Spices production technology	1	1	30								
KVK Bastar	FW	ONC	HOM	Production technology of Tubers and there medicinal values	1	1	22								
KVK Bastar	FW	ONC	SFM	Soil testing for crop production	1	1	32								
KVK Bastar	FW	ONC	LPM	Pig farming and management	1	1	28								
KVK	FW	ONC	WOE	Kitchen gardening for	1	1	27								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
Bastar				balance diet											
KVK Bastar	FW	ONC	AEG	Improved implements and their use	1	1	33								
KVK Bastar	FW	ONC	PLP	Bio-control agents for pests and diseases of crops	1	1	30								
KVK Bastar	FW	ONC	FIS	Care of ponds and rearing of fishes	1	1	33								
KVK Bastar	FW	ONC	PIS	Seed Certification and production techniques for Kharif season crops	1	1	30								
KVK Bastar	FW	ONC	CBD	Optimum use of available land and water sources	1	1	22								
KVK Bastar	FW	OFC	CP	Improved technology of Rice production	1	1	30								
KVK Bastar	FW	OFC	CP	Maize –vegetable cropping system for suitable livelihood	1	1	33								
KVK Bastar	FW	OFC	CP	Hybrid Maize crop production	1	1	30								
KVK Bastar	FW	OFC	CP	Improved technology for Minor millets crop	1	1	22								
KVK Bastar	FW	OFC	CP	Improved technology of Kharif crop production	1	1	27								
KVK Bastar	FW	OFC	CP	Integrated Nutrient Management in kharif crop production	1	1	33								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
KVK Bastar	FW	OFC	CP	Rice production and nutrient management	1	1	30								
KVK Bastar	FW	OFC	CP	Field preparation for crop production	1	1	33								
KVK Bastar	FW	OFC	CP	Line Sowing / Transplanting of Rice	1	1	30								
KVK Bastar	FW	OFC	CP	Field preparation and planning for kharif crops	1	1	22								
KVK Bastar	FW	OFC	CP	Pulses production and its utilization	1	1	33								
KVK Bastar	FW	OFC	CP	Seed production of minor millets	1	1	30								
KVK Bastar	FW	OFC	CP	Improved Cultivation of Linseed	1	1	22								
KVK Bastar	FW	OFC	HOV	Improve technology of tomato production	1	1	27								
KVK Bastar	FW	OFC	HOV	Production technology of brinjal production	1	1	33								
KVK Bastar	FW	OFC	HOO	Nursery preparation of flowers	1	1	33								
KVK Bastar	FW	OFC	HOO	Production technique of Marigold flower	1	1	30								
KVK Bastar	FW	OFC	HOT	Production and care of Colocasia cultivation	1	1	32								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
KVK Bastar	FW	OFC	HOS	Improved technology of Coriander production	1	1	30								
KVK Bastar	FW	OFC	SFM	Soil testing for crop production	1	1	33								
KVK Bastar	FW	OFC	SFM	Integrated Nutrient Management in maize	1	1	30								
KVK Bastar	FW	OFC	SFM	Soil & water conservation Technologies	1	1	22								
KVK Bastar	FW	OFC	LPM	Duck/Poultry production for livelihood improvement	1	1	32								
KVK Bastar	FW	OFC	WOE	Kitchen gardening for balance diet	1	1	28								
KVK Bastar	FW	OFC	WOE	Sanitation and care of houses	1	1	27								
KVK Bastar	FW	OFC	WOE	Care of child and women's	1	1	33								
KVK Bastar	FW	OFC	AEG	Improved implements and their use	1	1	30								
KVK Bastar	FW	OFC	AEG	Improved implements for weeding in rice and vegetables	1	1	33								
KVK Bastar	FW	OFC	PLP	Integrated Pest/Disease Management in paddy	1	1	30								
KVK	FW	OFC	PLP	Plant protection in kharif	1	1	22								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
Bastar				crops											
KVK Bastar	FW	OFC	PLP	Important insects & diseases in vegetables cultivation	1	1	30								
KVK Bastar	FW	OFC	PLP	Integrated Disease Management gram	1	1	33								
KVK Bastar	FW	OFC	PLP	Integrated Disease/pest Management in pulses	1	1	30								
KVK Bastar	FW	OFC	PLP	Integrated Disease/pest Management in storage	1	1	22								
KVK Bastar	FW	OFC	FIS	Care of ponds and rearing of fishes	1	1	27								
KVK Bastar	FW	OFC	PIS	Seed Production techniques for Kharif/ Rabi season crops	1	1	22								
KVK Bastar	FW	OFC	CBD	Use of agri implements in vegetables production	1	1	32								
KVK Bastar	FW	OFC	CBD	Improve technique of preparation of Farm Yard Manures	1	1	30								
KVK Bastar	RY	ONC	CP	Integrated Farming system for tribles	1	1	33								
KVK Bastar	RY	ONC	HOF	Planting material production for fruits	1	1	30								
KVK Bastar	RY	ONC	CBD	Agriculture for income generation	1	1	22								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
KVK Bastar	RY	OFC	CP	Integrated Farming system for higher benefits	1	1	22								
KVK Bastar	RY	OFC	HOV	Vegetable production for income generation	1	1	27								
KVK Bastar	RY	OFC	CBD	Planting material production for vegetables	1	1	22								
KVK Bastar	IS	ONC	CP	Productivity enhancement in field crops	2	1	30								
KVK Bastar	IS	ONC	HOV	Productivity enhancement in vegetable crops	1	1	15								
KVK Bastar	IS	OFC	CP	Productivity enhancement in Kharif crops	1	1	18								
KVK Bastar	IS	OFC	CP	Productivity enhancement in Rabi crops	1	1	17								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
KVK Bastar	Vermi Compost production	Vermi Compost	Income generation and quality Improvement of manure	04	00	00	15	03	05	00
KVK Bastar	Mushroom Spawn and commercial production	Mushroom	Income generation and livelihood improvement	05	00	00	17	04	04	02

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	
KVK Bastar	SRI methods of rice production	Field	10	10	
KVK Bastar	Round the year vegetables production	Badi/Field	25	25	
KVK Bastar	Round the year Hybrid Maize production	Field	35	40	
KVK Bastar	Improved method of Finger millet production	Field	20	20	

Table 5.5. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
KVK Bastar	Improved paddy cultivation	CRP		FW	01	01	4	2	0	0	32	9	NABARD, Pilot Proj.	
KVK Bastar	Improved Finger millet cultivation	CRP		FW	01	01	3	2	0	0	30	6	NABARD, Pilot Proj.	
KVK Bastar	Improved maize cultivation	CRP		FW	01	01	4	2	0	0	24	6	Zila panchayat, Bastar (IWMP)	
KVK Bastar	Integrated fish farming	PM		FW	01	01	3	2	0	0	22	7	Zila panchayat, Bastar (IWMP)	
KVK Bastar	Improved cucumber production technology	CRP		FW	01	02	4	5	3	1	29	6	ATMA, Jagdalpur	

KVK Bastar	Seed treatment in agricultural crop	PLP		FW	01	01	4	2	0	0	31	7	NABARD, Pilot Proj	
KVK Bastar	Improved technology in Vegetables crops	HOV		FW	01	02	4	2	2	4	34	15	NABARD, Pilot Proj	
KVK Bastar	Watershed management	OTH		FW	01	01	3	0	0	0	38	11	Zila panchayat, Bastar (IWMP)	
KVK Bastar	Plant protection & organic cultivation	PLP		FW	01	02	5	2	2	2	22	8	NABARD, Pilot Proj	
KVK Bastar	Post harvest technology of fruits & vegetable	PIS		FW	02	02	10	4	4	3	35	15	NHM, DDH Jagdalpur	
KVK Bastar	Mushroom production technology	PIS		FW	02	02	11	3	3	2	42	13	NHM, DDH Jagdalpur	

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
KVK Bastar	Watershed management	OTH	Capacity Building	FW	02	03	2	0	2	0	20	6	Zila panchayat, Bastar (IWMP)	
KVK Bastar	Soil and Water conservation techniques	OTH	Capacity Building	FW	02	03	0	0	3	0	20	8	Zila panchayat, Bastar (IWMP)	

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
KVK Bastar	Field Day	16										
KVK Bastar	Kisan Mela	1										
KVK Bastar	Kisan Ghosthi	5										
KVK Bastar	Exhibition	6										
KVK Bastar	Film Show	8										
KVK Bastar	Method Demonstrations	7										
KVK Bastar	Farmers Seminar	0										
KVK Bastar	Workshop	0										
KVK Bastar	Group meetings	5										
KVK Bastar	Lectures delivered as resource persons	25										
KVK Bastar	Newspaper coverage	35										
KVK Bastar	Radio talks	15										
KVK Bastar	TV talks	10										
KVK Bastar	Popular Articles	30										
KVK Bastar	Extension Literature	05										
KVK Bastar	Farm Advisory Services	20										
KVK Bastar	Scientific visit to farmers field	50										
KVK Bastar	Farmers Visit to KVK	150										
KVK Bastar	Diagnostic Visits	34										
KVK Bastar	Exposure Visits	10										
KVK Bastar	Ex-trainees Sammelan	5										

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
KVK Bastar	Soil Health Camp	2										
KVK Bastar	Animal Health Camp	2										
KVK Bastar	Agri Mobile Clinic	52										
KVK Bastar	Soil Test Campaigns	5										
KVK Bastar	Farm Science Club conveners meet	2										
KVK Bastar	Self Help Group conveners meetings	4										

7. Production and supply of Technological products

7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
KVK Bastar	Cereals	Rice	Karma masuri, MTU 1010, Samleshwari, Sampda, MTU 1001	SD	346.85	qtl	519000	CG Rajya Beej Evam Vikas Nigam Bastar
KVK Bastar	Cereals	Maize	Hybrid variety 30 v 92	Grain	-			At harvesting stage
KVK Bastar	Pulses	Pea	Subhra, KPMR 400,Ambika	SD	18.25	qtl	54000	CG Rajya Beej Evam Vikas Nigam Bastar
KVK Bastar	Oilseed	Linseed	RLC-81/RLC-92	SD	01	qtl	3000	CG Rajya Beej Evam Vikas Nigam Bastar
KVK Bastar								
KVK Bastar	Fruits							

7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
KVK Bastar	Vegetable seedlings	Tomato				Pant T-3, Bastariya	seedlings	15000	3000	4500	Distributed to farmers
KVK Bastar		Brinjal				Pant Rituraj, Chhatishgadiya	seedlings	10000	2000	2500	Distributed to farmers
KVK Bastar		Cabbage,				Aarli green	seedlings	10000	1000	1200	Distributed to farmers
KVK Bastar		Chilli				VNR-32	seedlings	15000	1500	2000	Distributed to farmers
KVK Bastar	Fruit plants	Papaya					plants	1000	500	600	Distributed to farmers
KVK Bastar		Drumstick					plants	500	250	500	Distributed to farmers

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
KVK Bastar	BIOAGENTS	5 kg	3500	4000	<i>Tricoderma viridi</i> ,
KVK Bastar	BIOFERTILIZERS	3.0 Qt	3800	4500	Vermi Compost
KVK Bastar	BIO PESTICIDES	20 litre	3500	5000	Panchgavya, Agneyastra, Neem extract

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
KVK Bastar	Cattle						
KVK Bastar	Buffalo						
KVK Bastar	Sheep and Goat						
KVK Bastar	Poultry	Ashil local	Eggs	500	1000	1500	

KVK Bastar	Fisheries	Katla-Rohu-Mrighal	Fish	50000 Fry	10000	20000	
KVK Bastar	Others (Duck)	Duck - Naghans	Duck	30 Nos.	2000	3500	

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : - 2008-09

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
KVK Bastar	Soil Sample	315	315	13		
KVK Bastar	Water Sample					

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/R/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Bastar	18 June, 2012	Technique for water conservation and its uses	RY	01	25	06	31	20	06	26
Bastar	20 July, 2012	Preparation of water resource for conservation technique	PF	01	27	04	31	22	04	26

KVK Bastar	22 September, 2012	Soil and water conservation and its benefits	RY	01	24	05	29	22	03	25
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10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
KVK Bastar	52	890	165	Crop production techniques & protection based message disseminated

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
KVK Bastar	02 May, 2013	34	To promote organic farming as well as hybrid maize production
			Required more OFTs on rice mechanization and varieties
			Required short duration Pigeonpea varieties
			Need of mushroom production unit in KVK.

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters (Indira Kisan Mitan)

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
KVK Bastar	January 01, 2008	January-March 2013	500	490
KVK Bastar		April – June 2013	500	490
KVK Bastar		July – September 2013	500	490
KVK Bastar		October- December 2013	500	490

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
KVK Bastar	CD	Improve technology of rice cultivation	100
KVK Bastar	CD	Improve technology of mushroom production	50

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	00	Research Paper			
	02	Abstracts			
Technical bulletins	01	Production technology	Mushroom Production	Dr. SC Yadav and RS Rajpoot	1000
Technical reports	24	progress Report	Monthly progress Report to ZPD and DES	Dr SC Yadav, Er. Rahul Sahu and Mrs. Sonali Rajpoot	12
	04	progress Report	Quarterly progress Report	Dr SC Yadav, Er. Rahul Sahu and Mrs. Sonali Rajpoot	04
	01	progress Report	Annual progress Report	Dr SC Yadav, Er. Rahul Sahu and Mrs. Sonali Rajpoot	01
	01	Action Plan	Annual Action Plan	Dr SC Yadav, Er. Rahul Sahu and Mrs. Sonali Rajpoot	01
Folders/leaflet	05	Production technology	Pigenpea Production technology	Dr. SC Yadav and RS Rajpoot	500
		Production technology	Garlic Production technology	Dr SC Yadav and RS Rajpoot	500
		Production technology	Vermicompost Production technology	Dr SC Yadav and RS Rajpoot	500

Popular article	24	Production technology	Production technology and awareness	Dr SC Yadav, RS Rajpoot, Gunjan Jha, Rahul Sahu, TK Thakur, Dushyant Pande	mass
News paper coverage	40	Activity news	KVK News and Production technology and awareness	Dr SC Yadav, RS Rajpoot, Gunjan Jha, Rahul Sahu, TK Thakur, Dushyant Pande	mass
Year Planner	01	Year planner	KVK activity schedule	Dr SC Mukherjee, Dr. BS Kirar, Dr. SC Yadav,	200
Others (pl. specify) Book	01	Book	Vegetable Production	Dr. BS Asati and Dr SC Mukherjee	200

13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
KVK Bastar	ATMA	Central	50000	OFT and Demonstration on cucurbits at River belt	Badechakwa, Bolbola, Malgaon	
KVK Bastar	MGNREGA	Central	2500000	Checkdam, Gabions and Well digging	Tirthum, Kodonar, Badekilepal, Irpa (Bastanar Block) Badebendri, Bolbola, Bhagdeva, Badebhirawand, Badekanera (Kondagaon Block)	
KVK Bastar	NHM	Central	500000	Mushroom production trainings	Sighanpur, Kondaloor, Morathpal (Tokapal Block) Massora, Bhagdeva, Bdebhirawand, Badebendri, Jarebendri, Bolbola, Badekanera (Kondagaon Block) Tirthum, Kodonar, Badekilepal, Paralmeta (Bastanar Block)	
KVK Bastar	RKVY	Central	500000	To promote organic farming, Rice followed by Gram/pea To promote Improved Rice varieties of IGKV	Sighanpur, Kondaloor, Morathpal (Tokapal Block) Badebendri, Jarebendri, Bolbola, Jarebendri (Kondagaon Block) Tirthum, Kodonar, Badekilepal, Paralmeta (Bastanar Block)	

					Tarapur (Bakawand Block), Badechakwa (Bastar Block)	
KVK Bastar	DRDA					
KVK Bastar	Zila Panchyat	State	250000	Training, evaluation, monitoring capacity building	Tirthum, Kodonar, Badekilepal, Irpa (Bastanar Block)	Under IWMP project
		State	50000	Training, evaluation, monitoring capacity building	Badebendri, Bolbola, Bhagdeva, Badebhirawand, Badekanera (Kondagaon Block)	Under DPAP project
		State	110000	Fencing Tube well Ag. implements & capacity building	Badekanera (Kondagaon Block), Durguga (Jagdarpur Block), Badechakwa (Bastar Block)	Under BRGF project
KVK Bastar	Seed Village					
KVK Bastar	NAIP	Central	95000	Demonstration of minor millets, Sustainability and livelihood security	Tirthum, Kodonar, Badekilepal, Irpa (Bastanar Block)	Through SGCARS, Jagdarpur
KVK Bastar	Climate Change					
KVK Bastar	Others (Plz. Specify) NABARD	Central	150000	Augmenting productivity of lead crops/activity for sustainability	Silakjodi, Batkonta, Tirthum Kodonar, Paralmeta (Bastanar Block)	

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): 25 Beds

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
KVK Bastar	June	2011	Training programme cum Exposure visit under ATMA form Dantewara	02	25	01	

KVK Bastar	October	2011	Training programme cum Exposure visit under ATMA form Ambikapur	02	34	01	
KVK Bastar	November	2011	Capacity Building of farmers through adoption of technology under NABARD from Rajanandagaon	02	44	01	
KVK Bastar	December	2011	Promotion of Minor millets for food security under INSIMP from Makri Block of Bastar dist.	02	50	01	
KVK Bastar	January	2012	Training programme cum Exposure visit under Ravghat Project form Antagarh of Narayanpur district	03	32	03	
KVK Bastar	February	2012	Training programme cum Exposure visit under Ravghat Project form Narayanpur district	03	26	03	

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
KVK Bastar	2009-10	2011	5	1	PC quarter

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
01	KVK Bastar	Yes	Hon'ble VC, IGKV, Raipur ZPD, Zone VII, Jabalpur and DES, IGKV

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
KVK Bastar	Crop Cafeteria	Different varieties of crops are sowing for demonstration for visitors
	Technology Desk	
	Visitors Gallery	Different crops technology for demonstration for visitors
	Technology Exhibition	

	Technology Gate-Valve	
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c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Crop wise - Oilseed	Linseed (Kartika, RLC-81 & RLC -92) and Safflower (JSI -7),
2	Crop wise - Pulses	Pea (KPMR 400 & Rachna) and Gram (Vijay & JG-11)
3	Crop wise - Cereals	Wheat (MP 3288 & MPO 1215) and Maize (Scorpio & 900 M Gold)
4	Crop wise - Spices	Fenugreek (RMT -1) and Coriander (Nutan)

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of kvk	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	KVK Bastar	Shri Kamal Kishor Kashyap	Line sowing wooden Patta for minor millets	Village – Bade Chakwa, Block- Bastar, Distt.- Bastar Mobile No : 09589991670
2	KVK Bastar	Shri Bhuwaneshwar Nishad	Improved Rice Grain Storage Structure: Dholangi	Village – Kumharawand, Jagdalpur, Distt.- Bastar Mobile No : 09179198661
3	KVK Bastar	Shri Shekh Ismile Khan	Use of Tobacco leaf for insect management in Chilli	Village – Balenga, Block- Bastar, Distt.- Bastar Mobile No : 09425229612

18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	20/05/2012	65
2	15/10/2012	75

19. Outreach of KVK

Name of KVK	Number of Blocks	Number of Villages
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	Intensive	Extensive	Intensive	Extensive
KVK Bastar	6	6	17	19

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
1	Gram	16 ha	5	Required wilt and color rot resistant variety
2	Field Pea	12 ha	3	
3	Lentil	10 ha	3	Required wilt resistant variety
4	Horse gram	4 ha	2	

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	KVK Dantewara	Experts, exposure activities and sharing views etc.	
2.	KVK Kanker	Experts, exposure activities and sharing views etc.	
3.	SG College of Agriculture and Research Station, Jagdalpur	Experts, exposure activities, trainings and sharing views etc.	

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
KVK Bastar	Hon,ble VC Dr.SK.Patil, IGKV	11-04-2012	Kisan Mela in working village Bolbola for inaugural of Community Hall built under NAIP III
KVK Bastar	Hon,ble VC Dr.SK.Patil, IGKV, Shri Baiduram Kashyap, MLA Chitrakote, DES, President ZP Lacchuram Kashyap	04-05-2012	Zonal Workshop hosted By KVK-Bastar
KVK Bastar	Dr. KD Kokate,DDG, (Agri. Extn.) ICAR, New Delhi, Dr. A. Mishra, ZPD Zone VII, Jabalpur	06-05-2012	Zonal Workshop hosted By KVK-Bastar
KVK Bastar	Director Extension OUAT,Bhubaneshwar, RSKVV, Gwalior, JNKVV, Jabalpur, IGKV Raipur and Programme Coordinators of KVKs MP, CG and Odisha state and other delegates of ICAR Institutes about 350 members	04 to 06 May 2012	19 th Zonal Workshop of KVKs of Zone VII, hosted By IGKV, KVK-Bastar
KVK Bastar	MLA Bastar Shri Subhau Kashayap, Dean SGCARS, JDP	13-10-2012	Village Level Kisan Mela at Tararpur Block-Backawand under RKVY
KVK Bastar	Hon'ble MP Shri Dinesh Kashayap, Hon'ble VC Dr.SK.Patil, IGKV, Shri Baiduram Kashyap, MLA Chitrakote, MLA Bastar Shri Subhau Kashayap, DES,	03-11-2012	District Level Kisan Mela at Jagdalpur under RKVY
KVK Bastar	Hon,ble VC Dr.SK.Patil, IGKV and Dr. JS Urkurkar, DES, IGKV Raipur, Prof. M. Adil, Member BOM, IGKV, Raipur	03-11-2012	District Level Kisan Mela at Jagdalpur under RKVY and KVK activities, crop cafeteria
KVK Bastar	Additional Collector Bastar Ayaj Tamboli	16-02-2013	Visited and monitor KVK Activities
KVK Bastar	Hon,ble VC Dr.SK.Patil, IGKV and Dr. JS Urkurkar, DES, IGKV Raipur,	17-02-2013	Visited and monitor KVK Activities, crop cafeteria
KVK Bastar	President ZP Lacchuram Kashyap, Dean SGCARS	22-02-2013	Visited and Monitor KVK Activities in Jan Samsya Niwaran Shivir at Palanar Block-Bastanar
KVK Bastar	CEO B P Ratre Kondagaon, Dean SGCARS, Professor and	20-03-2013	Village Level Kisan Mela at Bolbola Block-

	Scientist of Soil Science		Kondagaon under STCR
KVK Bastar	MLA Bastar Shri Subhau Kashayap, and Sh Maniram Kashyam, Member Zila Panchayat Bastar	26-03-2013	Village Level Kisan Mela at Bade Chakwa Block-Bastar under RKVY
KVK Bastar	Hon'ble MP Shri Dinesh Kashayap, Mrs Parvati Kashayap, Board Member IGKV, Dean SGCARS	29-03-2013	District Level Kisan Mela at Jagdalpur under RKVY

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	KVK Bastar	10 Nov. 2012	06	189

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	KVK Bastar	03	00

25. E-CONNECTIVITY (ERNET Lab) : Not Available

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology

KVK Bastar	Gosthies	02	45	Improve cultivation of Cereals Fingermilletts and Maize
KVK Bastar	Lectures organized	06	62	Rice, Maize, Vegetables, Gram, Linseed,
KVK Bastar	Exhibition	03	75	Improve variety seed & technology
KVK Bastar	Film show	03	36	Production technology
KVK Bastar	Fair	1	116	Production technology on Fingermilletts and Maize
KVK Bastar	Farm Visit	15	65	Improve technology and solve the problems
KVK Bastar	Diagnostic Practical's	05	70	Disease and insect identification and management
KVK Bastar	Distribution of Literature (No.)	05	175	Production technology
KVK Bastar	Distribution of Seed (q)	03	35	Improve variety seed
KVK Bastar	Distribution of Planting materials (No.)	02	40	Wilt resistant variety Tomato and Brinjal
KVK Bastar	Bio Product distribution (Kg)	02	24	<i>Tricoderma viridi</i> , Neemastra, Panchagavya
KVK Bastar	Bio Fertilizers (q)	01	13	Vermicompost
KVK Bastar	Distribution of fingerlings (No)	00	00	
KVK Bastar	Distribution of Livestock specimen (No.)	00	00	
KVK Bastar	Total number of farmers visited the technology week	02	469	

27. INTERVENTIONS ON DROUGHT MITIGATION : NA

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
		Oilseeds		
		Pulses		

		Cereals		
		Vegetable crops		
		Tuber crops		
		Fruits		
		Spices		
		Cotton		
		Total		

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
1	KVK Bastar	Dairy Management	02	45
2		Disease management	03	54
3		Feed and fodder technology	02	32
4		Poultry management	06	78
5		Fish Production	06	61

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
KVK Bastar	02	17	38

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Vermis Produced

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

28. Proposal of NICRA

1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Training cum awareness Camp	380	137	34	551

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

29. Proposed works under NAIP (in NAIP monitoring format)

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
KVK Bastar	10480252036	101299	118856	118856

31. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst /Farmer)	Awarding Organizations	Amount received

Bastar	Progressive farmer / Shri Ayutu ram Bharti Tarapur/ Bakawand	Farmer	IGKV, Raipur&. CG Govt. on 6-9October, 2012	
Bastar	Progressive farmer / Shri Padlam Nag, Dhurguda/Jagdapur	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 3 November, 2012	
KVK Bastar	Progressive farmer / Shri B. S. Badhoria, Bhaluguda/ Jagdalpur	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 3 November, 2012	
KVK Bastar	Progressive farmer / Shri Dinesh Kashyap, Pharsaguda/ Bastar	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 3 November, 2012	
KVK Bastar	Progressive farmer / Shri Baiduram Kashyap, Morathpal/ Tokapal	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 3 November, 2012	
Bastar	Progressive farmer / Shri Lachuram Kashyap, Ramsagar/ Lohandiguda	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 3 November, 2012	
Bastar	Progressive farmer / Smt. Pakli/Raidhar, Kondaloor/ Tokapal	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 3 November, 2012	
Bastar	Progressive farmer / Shri Budhman Markam, Bhagdeva/Kondagaon	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 29 March, 2013	
Bastar	Progressive farmer / Shri Tulso/Andho, Tirthum/Bastanar	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 29 March, 2013	
Bastar	Progressive farmer / Shri Mongadi, Badekilepal/Bastanar	Farmer	DES, IGKV, Raipur&. JDA, Bastar CG Govt. on 29 March, 2013	

32. Case study / Success Story to be developed – Two best only in the following format

Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	KVK Bastar	03	03

1. Improved Rice Grain Storage Structure: Dholangi

Background: Bastar farmers are living in Kacchha houses and open condition, which are unhygienic to human health and also favourable for buildup population of store grain pest. In tribal areas, generally farmers are keeping their grain in gunny bags or locally available materials like bamboo, which is more prone to insects. Innovative ideas of farmers, now tribals are storing cereals in the modified bamboo structure at village level, which is locally called “Dholangi”. The bamboo structure is made up weaving bamboo by plain weave and thick coating of mud cow dung and is sun dried for 2 days. The seeds are kept in the bamboo structure and covered with dried neem leaves. It is then covered with mixture of mud & cowdung. The storing of seeds is done for 1 year.



by

Result of the innovation: This technique helps in controlling the rice moth, which reduces the losses of seeds for 30-40 %. These structures are eco-friendly and safe storage structures.

Conclusion: The farmers are more interested to making Dholangi with this innovative method and spreading this technique rapidly in whole district. KVK, Bastar also support for dissemination of these innovative technology for tribal areas of the district.

2. Line sowing through wooden patta with tines

Background: Minor millets (Ragi) is liking crop of tribal people of Bastar and growing in upland soil condition during Khaif season. It consumed as food and provides a sustaining diet, especially for tribal people of this region which are doing hard work. Farmers are grow ragi in traditional method as sowing of seeds manually in row or in broad cast, which is time taking and required labour. Women farmers are mainly engaged for cultivation of these crops. The farmer Kamal Kishore Kashyap, village Bade chakwa, Block Bastar has made patta with tines (innovative techniques). The patta was fixed with tines making 8-10 rows with of seeds sowing and operated by bullock or manually. This patta makes line from one side and other sides it is used for leveling of lines after sowing of seed.



more

depth
these

Result of the innovation: It has reduced the drudgery reduction upto 40-50% and improved the work efficiency with reducing the labour cost. It is light in weight and more suitable for women farmers.

Conclusion: This innovates technology is feasible and disseminating in large areas of Bastar district for sowing of minor millets through farmer’s cooperation with KVK.

3. Maize Cultivation brings changes in Tribal livelihood in Bastar District

1. Introduction: Bastar plateau is having good agro climatic situation for maize production but the productivity of maize in the district is 1800 kg/ha (2008-09). This level of production has to be sustainability raised to meet its growing demand for human food, animal and poultry feed as well as for industrial processing by the wet and dry millers to produce value added products with the present available technology. The package of practices for different region of the county are different and requires suitable adjustment to need the local specific need of the individual farmers so that it will help to increase the productivity to gain the profit. In Bastar situation, there are four major farming situation i.e. top land (Marhan 31%), Sloppy upland land (Tikara 27%), Mid land (Mal 22%) and Low land (Gabhar 20%) and it can be grown in *Kharif* (Top & Sloppy upland situation), and in Rabi & Zaid (Mid land situation) as profitable crop.

Low production due to local variety, Imbalance use of fertilizer, Heavy attack of insects & pests and diseases, Poor management of soil and low fertility, Unawareness of improved technology are the major problems of maize cultivation in this district.

Present scenario and potentials of the district.

Year	Area ha.	Productivity/q. ha.
2002	29420	9.35
2003	27890	17.00
2004	35960	17.50
2005	42195	17.40
2006	37517	17.00
2007	41447	17.50
2008	49135	18.00

Source: Deputy Director Agriculture, Jagdalpur, Bastar

2. Intervention/methodology/Process - implementation of technology, activities,

Interventions	Package of practices			Farmers Practice
	Kharif	Rabi	Summer	
Variety	30 R 77, 4643,Hycel	30V92,900M	30V92, 900M, 4212	Hybrid 4640 & 4643
Seed rate (kg/ha)	20	25	25	25 kg / ha
Spacing (Row x Plant)	60-75 cm x 25-30 cm	45 cm x 30 cm	50-60 cm x 20-25 cm	Nil
Time of sowing	1 st June to 10 July	1 st Oct to 15 Nov	15 th January to Last February	Line sowing (without fixed spacing and two seed per place)
Fertilizer (:NP:K: Zn kg/ha)	100:60:40:25	120:80:50:25	120:80:50:25	60 : 30: 20: 0

Avg. yield (qt/ha)	38	42	45	No awareness
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Extension strategies implemented: Trainings, Exposure visit, Demonstration, Field day, and Diagnostic field visit etc.

Linkages: Convergence for developing irrigation facilities through various schemes.

Deptt.	Schemes	Villages	No of tube wells/irrigation pump	Area covered (ha)
Agriculture	Kisan Samridhi & Sakhambri	Bade marenga, Masora, Girolla, Bolbola, Bade bendri, Bade Bhirawand, Bahgdeva, Bade kanera, Malgaon	68	73
Irrigation	Jal praday yojna	Bolbola, Bade bendri, Bade Bhirawand, Bade kanera, Morathpal, Malgaon	7	15
Janpad Panchayat	SJGSY	Malgaon	5	12
Jila Panchayat	BRGF	Bade bendri, Bade, Bade kanera Morathpal	25	75

3. Output

Outcome from farmer Shri Sonuram , Village Jarebendri, Block , Kondagaon, Area: 1.0 ha

Interventions	Outcome		
	Kharif	Rabi	Summer
Area (ha)	0.8	0.5	0.4
Production	30.4	21	18
Productivity (qt/ha)	38	42	45
Gross Income	25840	17850	15300
Net income	15840	10850	

Increase in average yield of maize due to FLDs as compared to local practices in the district.

year	FLD area (ha)	Average yield (q/ha)		Yield gap (q/ha)	Increased yield over local practices (%)
		Intervention (FLD)	Local practices		
2004-05	50	38.40	15.90	22.50	142
2005-06	60	43.10	18.50	24.60	133
2006-07	60	40.83	17.60	23.23	132
2007-08	60	43.60	19.80	23.80	120.20
2008-2009	50	42.42	20.65	21.77	105.42
Average					

Percentage of Increase net income under FLD as compared to local practices in district.

Year	Demonstration package			Local practices			Increase income (%)
	Cost of cultivation (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	Cost of cultivation (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	
2004-05	10200	23808	13608	5700	9858	4158	227
2005-06	11000	26722	15722	6000	11470	5470	187
2006-07	11500	25314	13814	6500	10912	4412	213
2007-08	12800	27032	14232	7200	11656	4456	219
Average	11375	25719	14344	6350	10974	4624	211.5

4. Impact-Social, Economical, technological: On the basis of last six years demonstration in Bastar district, the result reveals that the adoption of hybrids with full package & practices is more beneficial than local practices for getting high return per unit area under rainfed situation. The demonstrated technology has increased the average yield about 131.08 % over local practices. Finally, the dissemination of technology increased the production, productivity of maize. The farmers are also convinced with the technology and spreading it to his area. The technology has raised the standard of living by changing the skill and attitudes of the farmers towards his traditional cultivation practices to commercial production.

Changes of scenario from 2002 to 2008.

Year	Area (ha)	Productivity (kg/ha)	Per cent increase 2002 to 2008	
			Area	Productivity
2002	24420	935	111.20	92.51
2008	49135	1800		

Increased in area, production and rural employment generated through maize cultivation after seven year (2002-2008) at Bastar District (C.G.).

Area (ha)	Production (qt)	Income Rs. (in Lacs)	Rural employment generate (Man days)
24715	444870	373.69	1384040

5. Conclusion/Summary: The impact of maize cultivation in Bastar district has helped to generate the rural employment with increase in area and production, which helped to the farmers to make the success path way to ensure strongly economic condition with rising of their socio cultured status.



Interaction with maize growers by scientists



Bumper production of maize and farmers are happy for good production



Dr MP Pandey, Ho'nble VC, IGKV, Raipur.



Dr. U. S. Gautam, ZPD, Zone VII, Jabalpur

4. Profitable Rice- Chilli C

Inspecting changes of scenario in the Bastar district through maize by dignitaries

1. Introduction

Rice followed by chilli is a profitable cropping system in the Bastar District (Chhattisgarh) under drip based irrigated situation. The package of practices for different region of the county are different and requires suitable adjustment to need the local specific need of the individual farmers so that it will help to increase the productivity to gain the profit. Bastar climate is most ideal for this cropping system. Farmers are taking round the year earning by taking two crops (rice followed by chilli). In Bastar situation, there are four major farming situation i.e. top land (Marhan 31%), Sloppy upland land (Tikara 27%), Mid land (Mal 22%) and Low land (Gabhar 20%) and Rice grown in *Kharif* and chilli in Rabi & Zaid as profitable crop. Improper management of available resources (soil, water, labours) and unawareness of improved technology are the major gaps for successful adoption of this cropping system in the district.

2. Intervention/methodology/Process - implementation of technology

Interventions	Rice-Chilli cropping system	
	Rice	Chilli
Variety	MTU1010, MTU 1001, Samleshwari, IR 64, Swarna	Super hot, N 1701, VNR 32, VNR 305,
Seed rate (kg/ha)	20	350-400 g
Spacing (Row x Plant)	60-75 cm x 25-30 cm	50-60 cm x 20-25 cm
Time of sowing	June-July	Nov-Dec
Fertilizer (:NP:K: Zn kg/ha)	100:60:40:25	100:75:60
Avg. yield (qt/ha)	35	210

Extension strategies implemented: Trainings, Exposure visit, Demonstration, Field day, and Diagnostic field visit etc.

Linkages developed: KVK had acted as both a promoter and intermediary agency in the promotion of rice-chilli cultivation. Different organizations involved and the nature of support provided by them are described below.

Organization	Strengths	Nature of linkages
Deptt. of Agriculture	Qualified and motivated extension agents. more funds to support large scale projects	Seeds & planting materials free of cost and subsidy, wherever available.
Irrigation Deptt.	Various scheme like Jal Praday Yojna for digging of tube well	Provide irrigation facility with subsidy
Janpad Panchayat	Scheme like SJGSY and others for support of farmers	Provide irrigation and other facility with subsidy
Jila Panchayat	Various support from scheme like BRGF	Support of fencing, irrigation and improved seeds with subsidy
Bank	Finance for supporting agricultural industry with low interest	Extend support for small scale industries
SGCARS, Jagdalpur	innovations and qualifies technical personnel	transfers of these innovations to farmers

Output

Outcome from farmer Sheikh Ismile Khan, village: Balenga, Block- Bastar, cultivated area: 16 ha

Season	Crops	Area (acres)	Gross income (lacs)	Expenditure (lacs)	Net Income (lacs)
Kharif	Paddy	30	45	33	12
Rabi-Summer	Chilli	20	45	15	30

System	Av. yield (qt/ha)	Net returns (Rs/ha/year)	B: C ratio
Rice	35.00	18,500/-	1.86:1

Chilli	210.00	3,00000/-	3.2:1
Total (Rs/ha/year)		3,18,500/-	

Impact-Social, Economical, technological: Farmers are motivated and large scale adoption of this cropping system instead of own traditional practices.

Average performance of chilli cultivation after rice over five year's data in district.

Crops	No. of villages	Area (ha.)	Avg. yield of Demo. (qt/ha)	Avg yield of local Check (qt/ha)	Increase in yield (%)	B:C ratio
Chilli after rice	39	1200	180.23	57.45	213.71	3.2:1

Conclusion/Summary: KVK Bastar implemented and popularized Rice-Chilli cropping system from last five year. This model was disseminated in villages of Bastar district and spread near to 35-40 villages through awareness, trainings, demonstration, exposure visit etc. This model is also spreading through Deptt of Horticulture, CG Govt. in the Bastar Distt.



CEO, Jila Panchayat, Bastar and DES, IGKV Raipur inspecting rice –vegetables (Chilli) cultivation at farmer’s field.



ZPD, Zone VIII, Jabalpur and DES, IGKV, Raipur inspecting Chilli cultivation after rice in farmers field.



Farmers of KVK inspecting chilli field

33. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem)

FARMING SYSTEM MODEL IN KVKS DEVELOPED/DEVELOPING



Crop cafeteria



Fish farming



NADEP Compost



Duckery

Mushroom Production

Lac cultivation



Bund cultivation and Nursery Preparation at KVK Farm

Raising of vegetable flowers & fruit plants



Papaya, Drumstick, Banana & *Semia alata* plantations



Activities of the KVK

Demonstration on Chilli



demonstration on Brinjal



NADAEP demonstration



Yield production of Rice FLD



Activities of KVK



Diagnostic field visits at Bادهchakwa and Bodanpal of Bastar Block



No. of Groups

140

Total No. Farmers Visited at KVK in 2012-13

445

Farmers Visited from

Bastar, Kondagaon, Bilaspur, Durg, Raigarh Abujmad (Narayanpur), Durgkondal (Kanker), Dantewada, Bijapur, Sukma

View of Trainings- On Campus



Farmers from Bakawand



Farmers from Kondagaon



Farmers from Raigarh



Farmers from Bilaspur



Farmers from Abujmad
(Narayanpur)



Farmers from Durgkondal
(Kanker)

View of Trainings- Off-Campus



Training at Village Badekilepal
(Bastanar)



Training at Village Bادهचakwa
(Bastar)



Training at Village Bhagdeva
(Kondgaon)



Training at Village Kondaloor
(Tokapal)



Training at Village Sattlawand
(Bakawand)



Training at Village Sonarpal
(Tokapal)

Farmers Fair Under RKVY -District level Kisan Mela in Kharif on 03 Nov 2012



Farmers Fair Under RKVY -District level Kisan Mela in Rabi on 29 March 2013



Block level Farmers Fair Under RKVY at
Jarebendri (Kondagaon) on 20 March 2013



Block level Farmers Fair Under RKVY at
Badechakwa (Bastar) on 26 March 2013

Farmers Fair Under RKVY Block level at Village Tarapur, Block- Bakawand



Exposure visit in Farmers fair at IGKV, Raipur from 6 to 9 Nov. 2012

Sangwari Training Under ATMA

(Total Selected sangwari- 569)



Crop Cafeteria



Dignitaries participation in KVK Activities



Miss Lata Usendi, Hon'ble Minister CG Govt at Bolbola village



Sh. Baiduram Kashyap, Vice President BVP & MLA Chitrakote and Dr. R. Prasanna, CEO (IAS) at Tirthum village



Commissioner Bastar Zone, Collector Bastar and Other officials at village Tirthum



Dr. K D Kokate, DDG (Agri. Ext.), ICAR, New Delhi Visited at KVK Working area Malgaon, Bolbola & Badekanera





Sh. M. K. Rowat, Agriculture Production Commissioner, Govt. of CG State, Officers of Agriculture and line departments are visited and looking the activities of KVK office and field on 16 May, 2012.

**Dr. S K Patil, Hon'ble Vice Chancellor, IGKV, Raipur Visited at KVK
Working area Jarebendri & KVK farm Jagdalpur**



On Farm Trials (OFTs)



Control



OFT on Maize at village Malgaon & Dhurguda



On Farm Trials (OFTs)



OFT on Finger millet at Badekilepal
village of Bastanar Block



On Farm Trials (OFTs)



Control field



Trial field

Resistant Variety Chhatishgadia at Badechakwa
village of Bastar Block



On Farm Trials (OFTs)



Weed Intensity in the Rice field



OFT on Weed Control in Rice at Village Tarapur, Bakawand Block

View of FLDs



Rice Line transplanting



Rice (Karma Masuri) at Tarapur village



Maize (PAC 740) at Badekanera



Rice at Badebhirawand



Paddy Harvested at Malgaon



Maize Harvested at Dhurguda



Niger (JNC-9) at Tirthum



Finger Millet (GPU -28) at Irpa



Finger Millet (GPU -28) at Dhurguda



Blackgram (TAU-1) at Bادهचकवा





FLD on Maize at Jarebendri



FLD on Maize at Bhagdeva (Kondagaon)



FLD on Pea at Badanji



FLD on Wheat at Tarapur (Bakawand) and Badnji (Lohandiguda)



FLD on Chickpea at Badebhirawand (Kondagaon), Badanji (Lohandiguda) and Singhanpur (Tokapal)

News Coverage's

नईदुनिया 13
रविवार, 22 अगस्त 2012

टपक सिंचाई पद्धति अपनाने की सलाह

जगदलपुर (विशेष)। जगदलपुर जिले के किसानों को टपक सिंचाई पद्धति अपनाने की सलाह दी गई है। जल संकट से निपटारे के लिए यह पद्धति किसानों को बचत करने में मदद करेगी। जल संचयन के माध्यम से किसानों को अधिक पैसा मिलेगा।



जल संचयन के माध्यम से किसानों को बचत करने में मदद करेगी। जल संचयन के माध्यम से किसानों को अधिक पैसा मिलेगा।

8 दण्डकारण्य समाचार

कृषक संगोष्ठी में इं.मा.कृ.वि. के कुलपति हुए

जगदलपुर (विशेष)। जगदलपुर जिले के किसानों को टपक सिंचाई पद्धति अपनाने की सलाह दी गई है। जल संकट से निपटारे के लिए यह पद्धति किसानों को बचत करने में मदद करेगी। जल संचयन के माध्यम से किसानों को अधिक पैसा मिलेगा।

नवभारत रायपुर, रविवार, 26 अगस्त 2012
www.navabharat.org

खरीफ फसल में कीट प्रकोप का खतरा

■ लगातार शुष्क मौसम व नमी के चतते पनाप रहे नुकसान पहुंचाने वाले कीट।



■ नगर संगददाता

जगदलपुर, बस्तर अंचल में कृषक पखवाड़े भर अनवरत बारिश के चलते मौसम शुष्क होने के बाद अब खरीफ फसल पर कीट प्रकोप का खतरा मण्डलाने लगा है। कुछ जगहों पर इसके लक्षण परिलक्षित होने लगे हैं। जिसको लेकर कृषि वैज्ञानिकों ने ग्रामीण कृषकों को सलाह दी है कि कीट प्रकोप से पूर्व ही फसल की सुरक्षा के लिए, अवश्यक दवा छिड़कवाने हेतु संबंधित कृषि अधिकारी या फिफ्ट अनुसंधान केंद्र के वैज्ञानिकों से सलाह ले ली जाए।

खानिकारक साबित होता है, पौधों के सूचित पिकास के लिए प्ररिशा के साथ-साथ कुछ अंतराल में ही सही लेकिन घुप की भी जरूरत होती है, वहीं लंबे समय से घुप नहीं निकलने से खातावरण में नमी आ जाती है और यही नमी नुकसान पहुंचाने का कारण बनता है। और इन दिनों यही समस्या हर ओर देखी जा रही है, कुछ जगहों पर फसलों में कीट प्रकोप के संकेत भी मिलने लगे हैं जिसके चलते किसानों की चिंता भी बढ़ने लगी है। इस वर्ष अच्छी बारिश हुई है और खरीफ फसल में नमी का अभाव नहीं है।

12 नईदुनिया रायपुर, रविवार 21 मार्च 2012

एकीकृत जलग्रहण प्रबंधन पर मिला प्रशिक्षण

जगदलपुर (विशेष)। जगदलपुर जिले के किसानों को टपक सिंचाई पद्धति अपनाने की सलाह दी गई है। जल संकट से निपटारे के लिए यह पद्धति किसानों को बचत करने में मदद करेगी। जल संचयन के माध्यम से किसानों को अधिक पैसा मिलेगा।

दण्डकारण्य समाचार

कृषि मासिक कार्यशाला समाप्त

जगदलपुर (विशेष)। जगदलपुर जिले के किसानों को टपक सिंचाई पद्धति अपनाने की सलाह दी गई है। जल संकट से निपटारे के लिए यह पद्धति किसानों को बचत करने में मदद करेगी। जल संचयन के माध्यम से किसानों को अधिक पैसा मिलेगा।

10 दण्डकारण्य समाचार

मिला रत्नशा, इमली तब बनाना का प्रशिक्षण

जगदलपुर (विशेष)। जगदलपुर जिले के किसानों को टपक सिंचाई पद्धति अपनाने की सलाह दी गई है। जल संकट से निपटारे के लिए यह पद्धति किसानों को बचत करने में मदद करेगी। जल संचयन के माध्यम से किसानों को अधिक पैसा मिलेगा।

दण्डकारण्य समाचार

एकीकृत जलग्रहण प्रबंधन पर से विज्ञानिक प्रशिक्षण

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स्थानीय जगदलपुर, मंगलवार 15 मार्च 2012

महिलाओं को मिला इमली चटनी एवं टमाटर सॉस बनाने का प्रशिक्षण

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दैनिक भास्कर रायपुर • रविवार 11 मार्च 2012 • 18

मेले में किसानों का सम्मान

जगदलपुर, उन्नत तकनीक और वैज्ञानिक तरीके से खेती करने वाले किसानों का सम्मान राज्यपाल शेखरदत्त ने रायपुर में हुए किसान मेले में किया। किसान श्रिटका कश्यप, राजमन श्रिटका, खेमसिंह भुनेश्वर निषाद का चयन कृषि विज्ञान केंद्र के वेंजाम, खेमसिंह मुकेशजी, डॉ. बीएस किरार, डॉ. एससी समन्वयक डॉ. एससी मुकेशजी, डॉ. बीएस किरार, डॉ. एससी यादव, रंजीत राजपूत, एके सोनपाकर आदि के मार्गदर्शन में हुआ। सम्मान समारोह में केंद्रीय कृषि राज्यमंत्री चरणदास महंत, प्रदेश के कृषि मंत्री चंद्रशेखर साहू, कुलपति एस्के पाटिल सहित अन्य विभागीय अफसर मौजूद थे।

दण्डकारण्य समाचार जगदलपुर, रविवार 25 अगस्त, 2012

धान की फसल पर कीट प्रकोप शुरू

जगदलपुर (विशेष)। जगदलपुर जिले के किसानों को टपक सिंचाई पद्धति अपनाने की सलाह दी गई है। जल संकट से निपटारे के लिए यह पद्धति किसानों को बचत करने में मदद करेगी। जल संचयन के माध्यम से किसानों को अधिक पैसा मिलेगा।



लगातार 200 एकड़ की फसल प्रभावित

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