

ANNUAL ACTION PLAN

OF

KRISHI VIGYAN KENDRA



2014-15

**INDIRA GANDHI KRISHI VISHWAVIDYALAY,
KRISHI VIGYAN KENDRA, JANJGIR- CHAMPA**

DISTRICT PROFILE

Agro-climatic zone	:	Chhattisgarh plane
Net sown area (ha)	:	2,55,820 (K) 102350 (R)
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
Population of SC and ST	:	89623
Geographical area	:	4,46,674
Net sown area (000 ha)	:	255820
Gross sown area (000 ha)	:	358170
Area under forest (000 ha)	:	79.439
Percent forest area to geographical area (%)	:	17.78 %
Kharif sown area (000 ha)	:	255820
Rabi sown area (000 ha)	:	102350
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

**AREA, PRODUCTION AND PRODUCTIVITY OF MAJOR CROPS
IN THE DISTRICT 2012-13**

S. No.	Crops	Area (000 ha)	Production Unit 000 ton	Productivity (kg/ha)	State average productivity (q/ha)
Kharif 2012-13					
1	Rice	247.32	775.58	3140	31.40
2	Maize	0.14	0.71	1740	17.40
3.	Kodo, Kutki & other	0.02	0.01	358	3.58
Total Cereals		247.75	776.30	3133	31.33
1	Pigeon Pea	1.27	0.59	747	7.47
2	Green Gram	0.27	0.10	364	3.64
3.	Black Gram	1.27	0.60	471	4.71
4.	Kulthi	0.18	0.08	435	4.35
Total Pulses		2.99	1.72	576	5.76
1	Ground Nut	0.59	0.74	1258	12.58
2.	Til	0.74	0.35	479	4.79
3.	Soyabin	0.01	0.01	1435	14.35
4.	Sunflower	0.07	0.04	520	5.20
Total Oilseed		1.41	1.15	814	8.14
Rabi 2012-13					
1	Wheat	3.91	6.47	1654	16.54

2	Maize	0.74	1.26	1834	18.34
3	Summer Paddy	49.54	203.12	4138	41.38
Total Cereals		54.18	210.85	3892	38.92
1.	Gram	0.72	0.82	1129	11.29
2.	Pea	0.50	0.20	394	3.94
3.	Lentil	0.12	0.05	352	3.52
4.	Green Gram	0.32	0.06	237	2.37
5.	Black Gram	0.34	0.09	257	2.57
6.	Lathyris	23.78	17.84	750	7.50
Total Pulses		25.78	19.05	739	7.39
1.	Mustard	5.94	2.55	430	4.30
2.	Linseed	7.68	2.27	305	3.05
3.	Safflower	0.92	0.22	240	2.40
4.	Sunflower	0.51	0.61	441	4.41
5.	Groundnut	0.51	0.89	7147	71.47
Total Oilseed		15.56	6.17	397	3.97
1.	Sugarcane	0.13	0.43	3281	32.81

PROBLEM IN THE DISTRICT

1. Although the district is canal irrigated but due to field to field irrigation created lot of water losses and crop diversification, introduction of short duration variety is a difficult job.
2. Delayed sowing /transplanting.
3. Imbalance NPK application.
4. Lack of suitable farm implements' for weeding.
5. Amongst plant protection blast, stem borer, BPH & BLB respectively.
6. Lack of mushroom spawn, marketing problem of oyster mushroom, Lack of Soil testing lab.
7. Lack of knowledge about bio control agents.
8. Wilt problem in Solanaceous crops, Mosaic problem in cowpea, Papaya etc.

THRUST AREA OF DISTRICT

1. Soil test based crop production system.
2. Weed management at critical period.
3. Introduction of community based quality seed and planting material production.
4. Delayed sowing/transplanting of paddy.
5. Indigenous method of organic manure manufacturing.
6. Improvement in productivity of major crops.
7. Farm mechanization through improved agricultural implements.
8. Combined use of inorganic and organic fertilizer.
9. Leaf and Neck blast, Sheath blight, BLB, False smut, Stem borer, BPH are the major Problem.
10. Reduction of cost of cultivation of existing major crop enterprises through better management practice.
11. Income augmentation of resource poor farm women through small scale backyard livestock enterprise.
12. Entrepreneurship development of rural youths and women SHG members.
13. Sericulture, Aquaculture Lac culture is alternate source of employment.
14. Promotion of farming system approach
15. Production of horticultural crops, disease resistant varieties of vegetables.

PROPOSED ACTION PLAN 2014-15

Summary of the activities to be conducted/ organized (2014-15)

Activity	Target	
	Number of activity	No. of farmers/ beneficiaries
OFTs	21	84
FLDs – Oilseeds (activity in ha)	15	40
FLDs – Pulses (activity in ha)	10	28
FLDs – Cotton (activity in ha)	00	00
FLDs – Other than Oilseed and pulse crops(activity in ha)	10	30

Activity	Target	
	Number of activity	No. of farmers/ beneficiaries
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	10	30
Training-Farmers and farm women	71	2350
Training-Rural youths	05	200
Training- Extension functionaries	06	240
Extension Activities	100	2500
Seed Production (Number of activity as seeds in quintal)	10	500
Planting material ((Number of activity as quantity of planting material in quintal)	15	150
Seedling Production (Number of activity as number of seedlings in numbers)	10	100
Sapling Production (Number of activity as number of sapling in numbers)	10	00
Other Bio- products (No. of quantity)	03	50
Live stock products	01	100
Activities of Soil and Water Testing Laboratory	00	00
Rainwater Harvesting System	00	00
Kisan Mobile Advisory (KVK-KMA)	100	1003
SAC Meeting (Date & no. of core/ official members)	01	35
Literature to be Developed/Published	10	Mass
Convergence programmes / Sponsored programmes	12	350
Utilization of Farmers Hostel	-	-
Utilization of Staff Quarters	06	06
Details of KVK Agro-technological Park	05	200
Crop Cafeteria-	40	Mass
Farm Innovators- list of 10 farm innovators from the District	10	10
Status of Revolving Funds	4000	Mass

Activity	Target	
	Number of activity	No. of farmers/ beneficiaries
Awards and Recognitions	05	National/State/District
Case study / Success Story to be developed	04	District
KVK Progressive Farmers interaction	04	District
Outreach of KVK in the District (No. of blocks, no. of villages)	30	300
Technology Demonstration under Tribal Sub Plan	-	-
KVK Ring	03	Bilaspur, Raigarh & Janjgir
Important visitors to KVK	25	100
Status of KVK Website	Completed	www.kvkjanjgir.org
Status of RTI	2	2
E-connectivity	-	-
Details of Technology Week Celebrations	02	100
Interventions on Drought Mitigation	-	-
Proposal of NAIP	-	-
Proposal of NICRA	-	-
Well labeled photographs	Yes	
Other Activities	30	Mass

Thematic Area wise Proposed OFT

2014-15	Thematic Area	No. of OFT
Kharif /Rabi	Farm Mechanization (Agril. Engg.)	04
Kharif /Rabi	Crop Management & Varietal Evaluation	05
Kharif /Rabi	Integrated Pest & Disease Management	04
Kharif /Rabi	Horticulture Crops Management	04
Kharif /Rabi	Nutrient Management	04

Summary of OFT to be Conducted 2014-15

S. No	season	Title of OFT	Crop/ Technology	Area (ha.) /No.
Farm machinery (Agril. Engg.)				
1.	Kharif 14	Assessment of Biasi by Power tiller.	Rice	02
2.	Kharif 14	Assessment of Line sowing with the help of Paddy Transplanter .	Rice	02
3.	Rabi14-15	Assessment of Line sowing of Chickpea.	Chickpea	02
4.	Rabi14-15	Assessment of Package and practice of Wheat	Wheat	02
Crop Production				
5.	Kharif 14	Assessment of Comparative yield performance of newly released varieties of Rice. (Var. Indira Rajeshwari and Indira Durgeshwari).	Rice	01
6.	Kharif 14	Evaluation of improvement in Biasi Cultivation of Rice through Crop Management.	Rice	01
7.	Kharif & Rabi14-15	Assessment of Rice-based Cropping System under limited (one) irrigation during Rabi.	Chick Pea and Mustard	01
8.	Rabi14-15	Assessment of weed management in Wheat.	Wheat	01
9	Rabi14-15	Assessment of Comparative yield performance of newly released variety of Mustard (Var. Chhattisgarh Sarson)	Mustard	01
Entomology				
10.	Kharif 14	Bioefficacy of Flonicamid 50 WG against BPH infesting Rice.	Rice	01
11.	Kharif 14	Suppression of Rice stem borer Scirpophaga Incevtalas by mass trapping using Sex Pheromone and light trap.	Rice	01
12.	Rabi 14-15	Assessment of Emamectin benzoate 5% SG in Chickpea	Chickpea	01
13.	Rabi 14-15	Assessment of pheromone trap (Helicoverpa lure) and Novalurn 10% EC in Chickpea.	Chickpea	01
Horticulture				
14.	Kharif14	Assessment of high Yielding variety of Cow Pea	Vegetable	01
15.	Rabi 14-15	Assessment of high Yielding variety of Tomato	Vegetable	01
16.	Rabi 14-15	Assessment of weed management in onion	Vegetable	01

17.	Summer14-15	Assessment of use of PGR in Bottle Gourd.	Vegetable	01
Soil Science				
18.	Kharif 14	Assessment of STCR based nutrient management in Rice.	Rice	01
19.	Kharif 14	Assessment of nutrient management through organic sources of nutrients in Scented Rice	Rice	01
20.	Kharif 14	Assessment of nutrient omission plot technique in Rice.	Rice	01
21.	Rabi14-15	Assessment of STCR based nutrient management in Wheat.	Wheat	01
22.	Rabi14-15	Assessment of Bio Fertilizer application in Tomato.	Tomato	01

OFT- 01

Title : Assessment of Biasi with help of Power Tiller.

Season & Year	:	Kharif, 2014
Problem	:	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	:	Self Propelled Power Tiller
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Power Tiller
Observation to be recorded	:	1. Yield 1. BC Ratio 2. Energy (MJ/ha) 4. Man/hr 5. Plant Mortality
No. of Trails (Replication)	:	04
Name of SMS responsible for OFT	:	Er. Sameer Shantaiya

OFT- 02

Title : Assessment of line sowing with the help of Paddy Transplanter.

Season & Year	:	Kharif, 2014
Problem	:	Lack of knowledge about technology and awareness about 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 (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Paddy Transplanter
Observation to be recorded	:	1. Yield 2. BC Ratio 3. Energy (MJ/ha) 4. Man/hr
No. of Trails (Replication)	:	04
Name of SMS responsible for OFT	:	Er. Sameer Shantaiya

OFT- 03

Title : Assessment of Line sowing of Chickpea.

Season & Year	:	Rabi, 2014-15
Problem	:	Timely and uniform depth of seed sowing.
Thematic Area	:	Farm Mechanization
Name of Technology	:	TD Seed Cum Fertilizer Drill
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	TD Seed Drill Cum fertilizer
Observation to be recorded	:	1. Yield 2. BC Ratio 3. Energy (MJ/ha) 4. Man/hr
No. of Trails (Replication)	:	04
Name of SMS responsible for OFT	:	Er. Sameer Shantaiya

OFT- 04

Title : Assessment of package and practice of Wheat.

Season & Year	:	Rabi, 2014
Problem	:	Timely and uniform depth of seed sowing.
Thematic Area	:	Farm Mechanization
Name of Technology	:	Rotavator + TD Seed Cum Fertilizer Drill
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Rotavator + TD Seed Drill Cum fertilizer
Observation to be recorded	:	1. Yield 2. BC Ratio 3. Energy (MJ/ha) 4. Man/hr
No. of Trails (Replication)	:	04
Name of SMS responsible for OFT	:	Er. Sameer Shantaiya

OFT-05

Title : Assessment of Comparative yield performance of newly released varieties of Rice (Var. Indira Rajeshwari and Indira Durgeshwari).

Season & Year	:	Kharif 14
Problem	:	Low yield and sever insect and disease infestation in old variety of Rice
Thematic Area	:	Yield performance
Name of Technology	:	Improve variety Indira Rajeshwari (R-1) and Indira Durgeshwari (R-2)
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Old variety- Swarna
Assessed Recommended Practice (T₂)	:	Use of improved variety Indira Rajeshwari (R-1)
Assessed Recommended Practice (T₃)	:	Indira Durgeshwari (R-2)
Observation to be recorded	:	1. Yield 2. Plant hight 3. No. of tillers /M ² 4. B:C
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Shashi Kant Suryavanshi

OFT- 06

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

Season & Year	:	Kharif, 2014
Problem	:	Use of high seed rate coupled with heavy infestation of weeds in biasi system of Rice cultivation.
Thematic Area	:	Integrated crop management
Name of Technology	:	Introduction of new weedicides
Source of Technology	:	IGKV, Raipur, DWSR 2014
Farmer's Practice (T₁)	:	Biasi
Assessed Recommended Practice (T₂)	:	60 kg seeds/ha+ Bispyribac Na+ Ethoxisulfuron (PoE at 20-25 DAS i.e.2-3 leaf stage of weeds)
Assessed Recommended Practice (T₃)	:	60 kg seeds/ha+ Bispyribac Na (PoE at 40 DAS)
Observation to be recorded	:	1. Yield 2. Weed flora 3. Weeds/m ² 4. WCE 5. B:C
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Shashi Kant Suryavanshi

OFT- 07

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

Season & Year	:	Kharif- 14 and Rabi, 2014-15
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 and Mustard with one irrigation.
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Rice (early to medium i.e. < 120days duration)-gram with one irrigation.
Assessed Recommended Practice (T₃)	:	Rice (early to medium i.e. < 120days duration)-Mustard with one irrigation.
Observation to be recorded	:	1. Yield 2. No. of Pods /Plant 3. B:C
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Shashi Kant Suryavanshi

OFT- 08

Title : Assessment of weed management in Wheat.

Season & Year	:	Rabi, 2014-15
Problem	:	Sever infestation of Weeds
Thematic Area	:	Weed management
Name of Technology	:	Clodinafop propagyl 15% + metsulfuron methy 1% wp and Sulfosulfuron 30g + metsulfuron methy 4g at 30-35 DAS.
Source of Technology	:	DWSR 2014
Farmer's Practice (T₁)	:	Hand weeding
Assessed Recommended Practice (T₂)	:	Clodinafop propagyl 15% + metsulfuron methyl 1% wp (Vesta @160 g/ha) at 30-35 DAS.
Assessed Recommended Practice (T₃)	:	Sulfosulfuron 30g + metsulfuron methyl 4g (Total @ 40g/ha) at 30-35 DAS.
Observation to be recorded	:	1. Yield 2. Weed Flora 3. Weeds/m ² 4. WCE 5. B:C
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Shashi Kant Suryavanshi

OFT- 09

Title : Assessment of Comparative yield performance of newly released variety of Mustard (Var. Chhattisgarh Sarson)

Season & Year	:	Rabi, 2014-15
Problem	:	Low yield due to late sowing and long duration variety
Thematic Area	:	Yield performance
Name of Technology	:	Improved variety-Chhattisgarh Sarson
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Old variety
Assessed Recommended Practice (T₂)	:	Improved variety-Chhattisgarh Sarson
Observation to be recorded	:	1. Yield 2. Plant hight 3. No. of Pods/Pant 4. B:C
No. of Trails (Replication)	:	13
Name of SMS responsible for OFT	:	Shri Shashi Kant Suryavanshi

OFT- 10

Title : Bioefficacy of Flonicamid 50 WG against BPH infestation Rice.

Season & Year	:	Kharif 14
Problem	:	Low yield due to incidence of BPH insect.
Thematic Area	:	IPM
Name of Technology	:	Flonicamid 50 WG @60gm/Acre.
Source of Technology	:	ICAR
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Flonicamid 50 WG @60 gm/Acre.
Assessed Recommended Practice (T₃)	:	Dinotefuron 20% SG @ 90 gm/Acre.
Observation to be recorded	:	1. Yield (q/ha.) 2. No. of BPH (nymph & adult) per hill 3. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Dr. Dushyant Kumar Kaushik

OFT- 11

Title : Suppression of Rice stem borer *Scirpophaga Incertalus* by mass trapping using Sex Pheromone and light trap.

Season & Year	:	Kharif 14
Problem	:	Low yield due to incidence of YSB insect.
Thematic Area	:	IPM
Name of Technology	:	Scirpophaga lure 25 nos/ha, Light Trap, Cartaphydrochloride 4% G @ 10 kg/Acre and Chlorantraniliprole 0.4% G @ 5 kg/Acre,
Source of Technology	:	DRR, Hyderabad
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Scirpophaga lure 25 nos/ha + Light Trap + Cartaphydrochloride 4% G @ 10 kg/Acre,
Assessed Recommended Practice (T₃)	:	Scirpophaga lure 25 nos/ha + Light Trap + Chlorantraniliprole 0.4% G @ 5 kg/Acre,
Observation to be recorded	:	1. Yield (q/ha.) 2. Dead herts 3. White years 4. Egg masses 5. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Dr. Dushyant Kumar Kaushik

OFT- 12

Title : Assessment of Emamectin benzoate 5% SG in Chickpea.

Season & Year	:	Rabi 14-15
Problem	:	Low yield due to incidence of Gram Pod borer.
Thematic Area	:	IPM
Name of Technology	:	Emamectin benzoate 5% SG @ 88 gram/acre, Novaluron 5.25% + Indoxacarb 4.5% SC @ 365 ml/Acre
Source of Technology	:	ICAR
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Emamectin benzoate 5% SG @ 88 gram/acre.
Assessed Recommended Practice (T₃)	:	Novaluron 5.25% + Indoxacarb 4.5% SC @ 365 ml/Acre
Observation to be recorded	:	1. Yield (q/ha.) 2. No. of Gram pod borer per plant 3. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Dr. Dushyant Kumar Kaushik

OFT- 13

Title : Assessment of pheromone trap (*Helicoverpa lure*) and Novalurn 10% EC in Chickpea.

Season & Year	:	Rabi 14-15
Problem	:	Low yield due to incidence of Gram Pod borer.
Thematic Area	:	IPM
Name of Technology	:	Pheromone trap (<i>Helicoverpa lure</i>) @25 nos/ha and Novaluron 10% EC @ 300 ml/acre
Source of Technology	:	ICAR
Farmer's Practice (T₁)	:	Local
Assessed Recommended Practice (T₂)	:	Pheromone trap (<i>Helicoverpa lure</i>) @25 nos/ha + Novaluron 10% EC @ 300 ml/acre
Assessed Recommended Practice (T₃)	:	Pheromone trap (<i>Helicoverpa lure</i>) @25 nos/ha + Deltamethrin 2.8% EC @ 170 ml/Acre
Observation to be recorded	:	1. Yield (q/ha.) 2. No. of Gram pod borer per plant 3. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Dr. Dushyant Kumar Kaushik

OFT- 14

Title : Assessment of high Yielding variety of Cow Pea

Season & Year	:	Kharif 2014
Problem	:	Low yield due to use of local variety
Thematic Area	:	Varietal evaluation
Name of Technology	:	Improve variety Indira Barbatti Lal / Kashi Kanchan
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Local variety
Assessed Recommended Practice (T₂)	:	Use of improved variety Indira Barbatti Lal / Kashi Kanchan
Observation to be recorded	:	1.No of Pod /Plants 2. Pod yield/ha 3. B:C
No. of Trails (Replication)	:	13
Name of SMS responsible for OFT	:	Smt. Savita Rajput

OFT- 15

Title : Assessment of high Yielding variety of Tomato.

Season & Year	:	Rabi, 2014-15
Problem	:	Low yield due to use of local variety
Thematic Area	:	Varietal evaluation
Name of Technology	:	Improve hybrid variety (Laxmi / Nidhi)
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Local variety
Assessed Recommended Practice (T₂)	:	Use of improved hybrid variety (Laxmi / Nidhi)
Observation to be recorded	:	1. No. of fruits /Plant 2. Fruit yield/ha. 3. B:C
No. of Trails (Replication)	:	13
Name of SMS responsible for OFT	:	Smt. Savita Rajput

OFT- 16

Title : Assessment of weed management in Onion

Season & Year	:	Rabi 2014
Problem	:	Low Yield Due to heavy infestation of weeds.
Thematic Area	:	Weed Management
Name of Technology	:	Pendimethiline @ 3.5 lit/ha, Oxyflourfen @ 1.5 lit/ha (PoE 0-3 DAT) + one hand weeding 30 DAT
Source of Technology	:	IGKV
Farmer's Practice (T₁)	:	Hand Weeding
Assessed Recommended Practice (T₂)	:	Pendimethiline @ 3.5 lit/ha + one hand weeding 30 DAT
Assessed Recommended Practice (T₃)	:	Oxyflourfen @ 1.5 lit/ha + one hand weeding 30 DAT
Observation to be recorded	:	1. Weeds/m ² 2. Bulb Wt/ Plant 3. Bulb Yield 4. B:C
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Smt. Savita Rajput

OFT- 17

Title : Assessment of use of PGR in Bottle Gourd

Season & Year	:	Summer, 2014-15
Problem	:	Low yield due to less female flower
Thematic Area	:	Horticulture
Name of Technology	:	Use of spraying of 250 ppm Ethrel at 2-4 true leaf stage
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	No use of PGR
Assessed Recommended Practice (T₂)	:	Use of spraying of 250 ppm Ethrel at 2-4 true leaf stage
Observation to be recorded	:	1. No. of fruits /Plant 2. Sexratio/ Plant 3. Fruit yield/ha. 4. B:C
No. of Trails (Replication)	:	13
Name of SMS responsible for OFT	:	Smt. Savita Rajput

OFT- 18

Title : Assessment of STCR based nutrient management in Rice.

Season & Year	:	Kharif, 2014
Problem	:	Use of imbalance nutrient in Rice and non achievement of targeted yield.
Thematic Area	:	Nutrient management
Name of Technology	:	Fertilizer recommendation based on STCR targeted yield concept.
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Improper use of fertilizers
Assessed Recommended Practice (T₂)	:	T. Y. – 40-60 F. N.= 3.64 T – 0.87 SN F P ₂ O ₅ =103.8 T – 2.85 SP F K ₂ O = SK 250 kg ha ⁻¹
Assessed Recommended Practice (T₃)	:	RDF N P K 100:60:40
Observation to be recorded	:	1. Yield 2. No. of tillers/Plant 3. Plant height 4. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Khema Das Mahant

OFT- 19

Title : Assessment of nutrient management through organic sources of nutrients in Scented Rice

Season & Year	:	Kharif, 2014
Problem	:	Poor yield due to imbalance nutrient and poor soil fertility status.
Thematic Area	:	Nutrient management
Name of Technology	:	Nutrient management
Source of Technology	:	OUAT
Farmer's Practice (T₁)	:	No use of Organic Sources.
Assessed Recommended Practice (T₂)	:	Green Manuring with Dhaincha and incorporated in to soil at 40 – 42 days followed by application of FYM @ 3 ton/ha & Vermi Compost @ 2 ton/ha before planting of Rice
Observation to be recorded	:	1. Yield 2. No. of tillers/Plant 3. Plant height 4. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Khema Das Mahant

OFT- 20

Title : Assessment of nutrient omission plot technique in Rice.

Season & Year	:	Kharif, 2014
Problem	:	Nutrient disorder and lack in awareness to identify the nutrient symptoms in Rice.
Thematic Area	:	Nutrient management
Name of Technology	:	NOPT (Nutrient omission plot technique)
Source of Technology	:	IRRI, Phillipines
Technology Selected	:	(1)NPKZn (Full dose) (2) (-N) + PKZn (3) (-P) + NKZn (4) (-K) + NPZn (5) (-Zn) + NPK RDF @ 100:60:40 or 140:60:40 kg/ha
Observation to be recorded	:	Yield (q/ha), Soil characteristic before sowing and after harvesting.
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Khema Das Mahant

OFT- 21

Title : Assessment of STCR based nutrient management in Wheat.

Season & Year	:	Rabi, 2014-15
Problem	:	Use of imbalance nutrient in Wheat affect crop yield as well as cost of cultivation
Thematic Area	:	Nutrient management
Name of Technology	:	Fertilizer recommendation based on STCR targeted yield concept.
Source of Technology	:	IGKV, Raipur
Farmer's Practice (T₁)	:	Improper use of fertilizers
Assessed Recommended Practice (T₂)	:	T. Y. – 25-30 q/ha F. N.= 6.99 T – 0.41 SN F P ₂ O ₅ =115 T – 3.45 SP F K ₂ O = SK 250 kg ha ⁻¹
Assessed Recommended Practice (T₃)	:	RDF (NPK @ 100:60:40)
Observation to be recorded	:	1. Yield 2. No. of tillers/Plant 3. Plant height 4. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Khema Das Mahant

OFT- 22

Title : Assessment of Bio Fertilizer application in Tomato.

Season & Year	:	Rabi, 2014-15
Problem	:	Poor yield due to non use of required amount of NPK and Bio Fertilizer.
Thematic Area	:	Nutrient Management
Name of Technology	:	Nutrient Management
Source of Technology	:	Ouat
Farmer's Practice (T₁)	:	No use of Bio Fertilizer
Assessed Recommended Practice (T₂)	:	Application of Bio inoculants (Azotobactor, Azospirillum,PSB) @ of 2kg/ha along with 150 kg FYM at the time of planting with 125: 8 0:60 of NPK.
Observation to be recorded	:	1. Yield 2. No. of fruit/Plant 3. B:C Ratio
No. of Trails (Replication)	:	08
Name of SMS responsible for OFT	:	Shri Khema Das Mahant

Summary of FLD to be Conducted

S. No.	Season	Title of FLD	Crop Technology	Area in (ha) / No.
1.	Kharif 2014	Demonstration on Rice varieties with recommended package of practices	Rice	15
2.	Kharif 2014	Demonstration on Pigeon pea variety Rajeevlochan with recommended package of practices	Pigeon pea	05
3.	Kharif 2014	Demonstration of pheromone Trap on Rice.	Rice	05
4.	Kharif 2014	Demonstration on Sesame variety TKG-306 with recommended package of practices	Sesame	05
5.	Kharif 2014	Demonstration on High Yielding variety of Okara	Okra	05
6.	Rabi 2014-15	Demonstration on Wheat variety Ratan/Arpa with recommended package of practices	Wheat	05
7.	Rabi 2014-15	Demonstration on ChickPea variety Vaibhav/Indira Chana-1 with recommended package of practices	Chickpea	10
8.	Rabi 2014-15	Demonstration on Mustard variety Pusa Bold with recommended package of practices	Mustard	05
9.	Rabi 2014-15	Demonstration on improved Utera tecnology of Lathyrus.	Lathyrus	05

FLD-1

Tilte of FLD	Demonstration on Rice varieties with recommended package of practices
Season & Year	Kharif 2014
Number of Demonstrations	12
Farmers Practices	Using broadcast method of sowing, Seed treatment is not in practice, Low yield varieties, 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	Indira Sona (Hybrid) /Indira Maheshwari
Source of technology (Year)	IGKV Raipur
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	Er. Samir Shantiya, S.K. Suryavanshi, Dr. D.K.Kaushik & K.D.Mahant.

FLD-2

Tilte of FLD	Demonstration on Pigeon pea variety Rajeevlochan with recommended package of practices
Season & Year	Kharif 2014
Number of Demonstrations	12
Farmers Practices	Cultivation of old/local variety of Pigeon Pea using broadcast method of sowing.
Problem diagnose	Low productivity of old variety .
Thematic area	CP & IDM
Name of Technology	High yielding variety.
Details of technology selected	Improved variety Rajivlochan
Source of technology (Year)	IGKV Raipur
Characteristic of technology	It improves the yield and quality of grains, protects the crop from wilt and sterility mosaic disease.
Farming situation	Rainfed
Performance indicator/parameter	Yield, No of Pods/Plant, & Major disease/pest incidence.
Name of SMS responsible for FLD	S.K. Suryavanshi, Dr. D.K.Kaushik , K.D.Mahant & S. Rajput

FLD-3

Tilte of FLD	Demonstration of pheromone Trap on Rice
Season & Year	Kharif 2014
Number of Demonstrations	12
Farmers Practices	Local
Problem diagnose	Low productivity due insects and disease .
Thematic area	IPM, CP & INM
Name of Technology	Pheromone trap, Weed & Nutrient Management
Details of technology selected	Pheromone trap, Weed & Nutrient Management
Source of technology (Year)	DRR, Hyderabad
Characteristic of technology	It improves the yield , protects the crop from diseases and insects.
Farming situation	Rainfed.
Performance indicator/parameter	Yield, Major disease/pest incidence.
Name of SMS responsible for FLD	Dr. Dushyant Kumar Kaushik, Shashi Kant Suryavanshi and K.D. Mahant

FLD-4

Tilte of FLD	Demonstration on Sesame variety TKG-306 with recommended package of practices
Season & Year	Kharif 2014
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, tolerant to Bacterial leaf spot.
Details of technology selected	Application of sulphur, balance fertilizer & Improved plant protections measures .
Source of technology (Year)	IGKV , 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	Yield, No of Pods/Plant, & Major disease/pest incidence.
Name of SMS responsible for FLD	K.D. Mahant, Dr. Dushyant Kumar Kaushik and S.K. Suryavanshi

FLD-5

Tilte of FLD	Demonstration on High Yielding variety of Okara
Season & Year	Kharif 2014
Number of Demonstrations	12
Farmers Practices	Local Variety
Problem diagnose	Low yield due lack of technology
Thematic area	Horticulture
Name of Technology	HYV
Details of technology selected	HYV- Arka Anamika / Deepika
Source of technology (Year)	IGKV,Raipur
Characteristic of technology	HYV
Farming situation	Rainfed
Performance indicator/parameter	No. of fruits per plant , Yield
Name of SMS responsible for FLD	Smt. Savita Rajput,Dr. D.K. Kaushik, S.K. Suryavanshi & K.D.Mahant.

FLD-6

Tilte of FLD	Demonstration on Wheat variety Ratan/Arpa with recommended package of practices
Season & Year	Rabi 2014
Number of Demonstrations	12
Farmers Practices	Used Local/old variety
Problem diagnose	Low yield potential of existing Local/old variety .
Thematic area	Farm Mechanization and DM
Name of Technology	Line Sowing + Var. Ratan
Details of technology selected	Line Sowing + Var. Ratan
Source of technology (Year)	IGKVV , Raipur
Characteristic of technology	High yielding variety
Farming situation	Irrigated
Performance indicator/parameter	No. of tillers/m ² , Yield, Major disease/pest incidence.
Name of SMS responsible for FLD	Er. Samir Shantiaya & K.D. Mahant

FLD-7

Tilte of FLD	Demonstration on Chick Pea Variety Vaibhav /Indira Chana-1 with recommended package of practices
Season & Year	Rabi 2014
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	IDM, CP, Farm Mechanization, & INM
Name of Technology	Varietal & IDM High yielding Variety Vaibhav /Indira Chana-1
Details of technology selected	High Yielding variety , use of balance fertilizer & Improved plant protection 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	Irrigated
Performance indicator/parameter	Yield,No of Pods/Plant, & Major disease/pest incidence,FIM
Name of SMS responsible for FLD	Dr. D.K. Kaushik & S.K. Suryavanshi, Sameer Santaiya. & K.D.Mahant

FLD-8

Tilte of FLD	Demonstration on Mustard variety Pusa Bold with recommended package of practices
Season & Year	Rabi 2014
Number of Demonstrations	12
Farmers Practices	Utera or kept field fallow after harvesting of paddy, No seed treatment, Use of poor quality seed & Imbalance use of fertilizers
Problem diagnose	Low yield due to – Use of local variety seed - Imbalance use of fertilizer - Infestation of Apid
Thematic area	CP & IPM
Name of Technology	Varietal, INM & IPM High Yielding variety: Pusa Bold
Details of technology selected	Balance fertilizer & Improved plant protections measures
Source of technology (Year)	IGKV, Raipur
Characteristic of technology	It improves the yield and quality of grains.
Farming situation	Irrigated
Performance indicator/parameter	Yield, No of Pods/Plant, & Major disease/pest incidence.
Name of SMS responsible for FLD	S.K. Suryavanshi, Dr. D.K. Kaushik & S. Rajput

FLD-9

Tilte of FLD	Demonstration on improved Utera tecnology of Lathyrus.
Season & Year	Rabi 2014
Number of Demonstrations	12
Farmers Practices	No seed treatment, Use of poor quality seed & no use of foliar application of Nitroginus fertilizer
Problem diagnose	Low yield due to – Use of local variety seed - no use of foliar application of Nitroginus fertilizer
Thematic area	CP and IPM
Name of Technology	Improved Utera
Details of technology selected	Improved Variety- Maha Tiwra/Pratik, Foliar application of 2% Urea at flowering and Pod filling stage
Source of technology (Year)	IGKVV
Characteristic of technology	It improves the yield and quality.
Farming situation	Rainfed
Performance indicator/parameter	Yield, No of Pods/Plant, & Major disease/pest incidence.
Name of SMS responsible for FLD	S.K. Suryavanshi & Dr. D.K. Kaushik

No. of Trainings 2014-15

Particulars	No. of Trainings	No. of Courses	Total duration	Expected No. of participants
Farmers and Farm women	68	68	68	2200
In-service personnel	06	06	06	240
Rural youth	05	05	05	200
Vocational training	03	03	15	150
Total	83	83	99	2790

Proposed Extension Activities 2014-15

Activities	No.	Expected Participants/ beneficiaries
Field Days	07	Mass
Kisan Mela	02	Mass
Kisan Gosthi/ Farmers Meeting	10	350
Ex- trainees Meet	06	200
Diagnostic Visit to farmers Fields	20	250
Farmers Visit to KVK	500	Mass
Exhibitions	05	250
Film Shows	10	Mass
Radio Programmes	12	Mass
TV talks	04	Mass
Animal Health Camp	00	00
SAC Meeting	01	40
News Letter	04	2000
Soil & Water Sample Tested	04	50
Newspaper Coverage	30	Mass
Village Survey	03	150
Scientist visit to farmers field	50	250
Group Meeting	05	160

**Proposed Convergence/Collaboration
with allied Departments/agencies**

Name of the Scheme	Funding agency	Activities
ATMA	Dept. of Agric., Janjgir	Trainings, Demonstrations, Joint Diagnostic visit
RKVY	State Govt./IGKV	Trainings & Demonstrations
BGREI	State Govt	Monitoring
NHM	Dept. of Horti., Janjgir	Training and exposure visit
MG NREGA	Jila Panchayat	Plantation
BRGF	Jila Panchayat	Mushroom training, Exposure visit
IAP	Jila Panchayat	Agriculture Related Developmental work
XIIIth Finance	Jila Panchayat	Agriculture Related Developmental work

PROPOSED SEED PRODUCTION IN KVK'S (2014-15)

Crop	Quantity grade wise (q)		
	Category	Area (ha.)	Total (q)
Kharif 2014			
Pigeon pea/ Rajeev Lochan,	B/F	3.0	30
Rice/ Indira Maheshwari	F/C	4.0	160
Rice/Indira Rajeshwari	F/C	4.0	160

Total		11	350
Rabi 2014-15			
Chickpea/ Vaibhav	F/C	4.0	80
Wheat/GW 273	F/C	4.0	80
Lathyrus	F/C	1.0	10
Total		9.0	170