

ANNUAL PROGRESS REPORT

January 2020 to December 2020

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Instructions for Filling the Format

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”**
- 9. Also read the instructions mentioned just below the table**
- 10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
- 11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 12. Grey color cells in summary table need not to be filled.**
- 13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).
Vegetable:- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Lady finger).
Fruits:- Mango, Guava, Custard apple, Pear etc.
Spices:- Black Peeper, Turmeric, Ginger, Cardamom etc.**

REPORTING PERIOD – January 2020 to December 2020
Summary of KVK Annual Report (Quantifiable Achievement) for the year 2020

i. OFT and FLD

S.No.	KVK Name	Activity	Achievement	
			Number of activity	No. of farmers/ beneficiaries
1	Kawardha	OFT		
a.	Kawardha	OFT- Crops (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry etc)		
➤	Kawardha	Proposed OFT		
➤	Kawardha	On Going OFT	4	20
➤	Kawardha	Technologies assessed (Completed OFT)	11	47
➤	Kawardha	Technologies refined		
b.	Kawardha	OFT- Agriculture Engineering		
➤	Kawardha	Proposed OFT		
➤	Kawardha	On Going OFT	08	40
➤	Kawardha	Technologies assessed (Completed OFT)	06	30
➤	Kawardha	Technologies refined		
c.	Kawardha	OFT- Animal Science		
➤	Kawardha	Proposed OFT	NIL	
➤	Kawardha	On Going OFT	NIL	
➤	Kawardha	Technologies assessed (Completed OFT)	NIL	
➤	Kawardha	Technologies refined	NIL	
d.	Kawardha	OFT- Fisheries		
➤	Kawardha	Proposed OFT	NIL	
➤	Kawardha	On Going OFT	NIL	
➤	Kawardha	Technologies assessed (Completed OFT)	NIL	
➤	Kawardha	Technologies refined	NIL	
e.	Kawardha	OFT- Extension		
➤	Kawardha	Proposed OFT	NIL	
➤	Kawardha	On Going OFT	NIL	
➤	Kawardha	Technologies assessed (Completed OFT)	NIL	
➤	Kawardha	Technologies refined	NIL	
f.	Kawardha	OFT- Home Science		
➤	Kawardha	Proposed OFT	NIL	
➤	Kawardha	On Going OFT	NIL	
➤	Kawardha	Technologies assessed (Completed OFT)	NIL	
➤	Kawardha	Technologies refined	NIL	

	Kawardha	Activity	Area (ha) / no. of Unit/Enterprise	No. of farmers/ beneficiaries
2	Kawardha	FLD		
a.	Kawardha	CFLD-Oilseed (in ha)	40	100
b.	Kawardha	CFLD-Pulses (in ha)	60	125
c.	Kawardha	FLD- Crop All(other than CFLD) (in ha)		
➤	Kawardha	Proposed Frontline demonstrations		
➤	Kawardha	On Going Frontline demonstrations		
➤	Kawardha	Completed Frontline demonstrations	19	119
d.	Kawardha	FLD- Agriculture Engineering (in ha)		
➤	Kawardha	Proposed Frontline demonstrations		
➤	Kawardha	On Going Frontline demonstrations		
➤	Kawardha	Completed Frontline demonstrations	06	78
e.	Kawardha	FLD - Animal Science (in ha for fodder/ no. of Unit/Enterprise)		
➤	Kawardha	Proposed Frontline demonstrations	NIL	
➤	Kawardha	On Going Frontline demonstrations	NIL	
➤	Kawardha	Completed Frontline demonstrations	NIL	
f.	Kawardha	FLD - Fisheries (in ha/ no. of Unit/ Enterprise)		
➤	Kawardha	Proposed Frontline demonstrations	NIL	
➤	Kawardha	On Going Frontline demonstrations	NIL	
➤	Kawardha	Completed Frontline demonstrations	NIL	
g.	Kawardha	FLD - Home Science (in ha/ no. of Unit/Enterprise)		
➤	Kawardha	Proposed Frontline demonstrations	NIL	
➤	Kawardha	On Going Frontline demonstrations	NIL	
➤	Kawardha	Completed Frontline demonstrations	NIL	

ii. Other Activities

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	11	11	344
	Farm women	13	13	297
	Rural youth	06	07	433
	Extension personnel/ In service	05	05	218
	Vocational trainings	08	40	255
	Sponsored Training	12	12	372
	Total	55	88	1919

		No. of programmes	Participants
1	Extension Programmes	147	17674
3	Production of technology inputs etc	Qty	Beneficiaries (nos.)
	Seed (qt.)	84.5	360
	Planting material produced (nos.)	343650	3790
4	Livestock	Qty	Beneficiaries (nos.)
	Livestock strains (Nos)	07 cow	
	Milk Yield - Cow, Buffelo etc. (in liter)	3501 lit. Milk	10
	Fish (Kg.)	30	10
	Fingerlings (nos.)		
	Poultry-Eggs (nos.)	42	100
	Ducks (nos.)		
	Chicks etc. (nos.)		
5	Bio Products	Qty	Beneficiaries (nos.)
	Bio Agents -Earth worm (Kg.)		
	Trichoderma (kg.)	1000	1200
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	1500 kg (Vermicompost) 20 kg (Azolla)	USED IN KVK IFS UNIT
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	500 kg (Mushroom Spawn)	350
6	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries
	Award (Best KVK award and scientist and farmer's award)	01	01
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)		
	KVK News letter	4000	4000
	SAC Meetings conducted	01	86
	Soil sample tested	1400	7900
	Water sample tested	Nil	Nil
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	Nil	Nil
	KVK-KMA (Message sent and beneficiaries)	30	75077
	Convergence programmes	11	869
	Sponsored programmes	12	372
	KVK Progressive Farmers interaction	32	25
	No. of Technology Week Celebrations	222542	15836
	Attended HRD activities organized by ZPD	54	32

	Attended HRD activities organized by DES	30	20
	Attended HRD activities by KVK Staff(Refresher/Short course, Training programme etc.)	1	2
7	Current status of Revolving Funds (Amt. in Rs.)	2773812.69	
8		No. of Blocks	No. of Villages
	Outreach of KVK in the District	04	06
9		ICAR	SAU Others
	No. of important visitors to KVK (nos.)	1	3
10		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	20
11		Application received	Application disposed
	Status of RTI (nos.)	NIL	NIL
12		Query received	Query dissolved
	Citizen Charter (nos.)	NIL	NIL
13		Filled	Vacant
	Staff Position	16	11
14	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	01	
15	Publication received from ICAR /other organization (nos.)	7	
16		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	Groundnut, Soybean Pest, Paddy Pest	DES, DRS, Director Farm, IGKV Raipur
		Nos. of Activities	Participants/beneficiaries
17	Activities performed in Sansad Adarsh Gram	07	258
18	Activities performed in DFI Village	Nos. of Activities	Participants/ beneficiaries
		10	368
19	Activities performed in Nutri Smart Village	Nos. of Activities	Participants/ beneficiaries
	OFT	01	05
	FLD	05	25
	Trainings	05	422
	Extension activities	01	106
20	Current status of Contingency (Amt. in Rs.)		

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on December, 2020

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
KAWARDHA	16	1	0	6	4	03	03	6	4	16	11

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category	Mobile Number	Email-id
Kawardha	Sr. Scientist & Head	Vacant	Vacant	Vacant	Vacant	37400-67000+8000 Rs. 9000	Vacant	Vacant	Vacant	Vacant	Vacant
Kawardha	SMS/ Scientist 1	Dr. B.P.Tripathi (I/c Senior Scientist and Head)	Plant Pathology	Ph. D.	Plant Pathology	15600-39100 + 5400 AGP		06.09.2012	Others	9826199312	bp_tripathi2007@yahoo.co.in
Kawardha	SMS/ Scientist 2	Er. T.S.Sonwani	F.M.P	M. Tech.	F.M.P	15600-39100 + 5400 AGP		10.09.2012	SC	9893943109	tsingh_1983@yahoo.com
Kawardha	SMS/ Scientist 3	Smt.Rajeshwari Sahu	Horticulture	M.Sc.	Horticulture	15600-39100 + 5400 AGP		19.02.2013	OBC	9300781195	raji_sahu24@yahoo.in
Kawardha	SMS/ Scientist 4	Sh. B.S. Parihar	Agronomy	M.Sc.	Agronomy	15600-39100 + 5400 AGP		18.09.2014	Others	8770372537	parihar.balbrindsingh7@gmail.com
Kawardha	SMS/ Scientist 3	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kawardha	SMS/ Scientist 4	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kawardha	Programme Assistant	Smt. Swati Sharma	Entomology	M.Sc.	Entomology	9300-34800 +4200 AGP		05.11.2014	Others	8839340760	sharmaswati2212@gmail.com
Kawardha	Farm Manager	Smt.Tripti Thakur	Soil Science	M. Sc.	Soil Science	9300-34800 +4200 AGP		26.10.2019	ST	7898770214	nayaktripti66@gmail.com
Kawardha	Computer Programmer	Mr. Yogesh Kumar Kaushik	Information Technology	BE (IT)	Information Technology	9300-34800+4200 AGP		12.07.2013	OBC	9826660327	yogeshkumarkaushik15@gmail.com
Kawardha	Accountant / superintendent	Shri A. K. Khare	Economics	M.A.,LL B	Economics	5200 – 20200 + 2400 AGP		28.07.2010	SC	7987760012	ashokkumarkhare3@gmail.com
Kawardha	Stenographer	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kawardha	Driver	Shri Haran Ram Kaushik		Primary		5200-20200 +1900 AGP		01.04.2013	OBC	7748851885	
Kawardha	Driver	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kawardha	Supporting staff, if any	Shri. Salik Ram Lodhi		Middle		4750 – 7400 + 1300 AGP		16.09.2008	OBC	9109855505	
Kawardha	Supporting staff, if any	Shri Shiv Kumar Lodhi		Primary		4750 – 7400 + 1300 AGP		16.09.2008	OBC	8878228420	

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

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Kawardha	CG Plain	04	371	822526	61.95%	62466	154040	1.8 ha

Sr. No.	Particulars	Quantity/Area
1.	Geographic Area	444000 ha
2.	Rainfall	830.00 mm
3.	Forest Area	189451 ha
4.	Double Cropped Area	87634 ha
5.	<i>Kharif</i> Area	161381ha
6.	<i>Rabi</i> Area	145734ha
7.	Total Cultivated Area	307115ha
8.	Net Cultivated Area	185064 ha
9.	Cropping Intensity	166 %
10.	Barren Land	16028ha
11.	Cultivable fallow land	5027 ha
12.	Pasture lands	38957ha
13.	Kharif Irrigated Area	80393 ha
14.	Rabi Irrigated Area	57400ha
15.	Net Irrigated Area	80393 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kawardha	Gangpur	2020-21	S.Lohara	22 km	816	220
Kawardha	Rajanawagaon	2020-21	Kawardha	15km	2786	1500
Kawardha	Pathrra	2020-21	Kawardha	25km	586	109

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
KAWARDHA	Introduction of sugarcane varieties resistant to Whip Smut
KAWARDHA	Varietal replacement in various crops
KAWARDHA	Change in Paddy-chick pea/ soybean- chick pea cropping systems
KAWARDHA	Introduction of sugarcane varieties resistant to red rot, root borer and shoot borer
KAWARDHA	Insuring production and availability of <i>Trichoderma viride</i> locally
KAWARDHA	Combined use of organic manures and inorganic fertilizer
KAWARDHA	Enhancement of milk & meat productivity through improved breeds
KAWARDHA	Farm mechanization through improved agricultural implements
KAWARDHA	Employment generation for rural women & rural youth through income generation activities

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Kawardha	Lack of awareness of improved agricultural technologies	Discussion with farmers, field visit	Rajanawagoan/Bodla
Kawardha	Non-availability of quality kabirdhs of suitable HYVs	Discussion with farmers	Khairbana/Kawardha
Kawardha	Lack of suitable agricultural implements for seeding of crops	Discussion with farmers, field visit	Mohgoan/pandariya
Kawardha	Lack of proper agricultural infrastructures including irrigation	Discussion with farmers	Karesara/Lohara
Kawardha	Non-awareness regarding effective control of various pests and diseases (insects, diseases and weeds)	Discussion with farmers and Field visit	Gulalpur/Lohara
Kawardha	High incidence of pests and diseases, Improper use of fertilizer and chemicals	Discussion with farmers, field visit	Daujari/Kawardha
Kawardha	Less knowledge about post harvest handling of agriculture produce	Discussion with farmers, field visit	Pathhra/Kawardha
Kawardha	Lack of awareness of improved agricultural technologies	Discussion with farmers, field visit	Ranveerpur/Lohara

2. On Farm Testing (OFT)

Note-

- ❖ Thematic area should be spelled correct and select only on the given list.
- ❖ Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.
- ❖ Don't press enter key to navigate among column use arrow or tab key
- ❖ don't add space before or after statement within the table cell
- ❖ Kindly mention realistic estimated yield of your crop under trail.
- ❖ If crop has been not yet harvested, mark it * on that

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m ²
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m ²
	No of Panicles/m ²
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)

Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

2.1 Information about OFT:

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment of chemical weed management in Chickpea
Year/Season:	Rabi 2019-20
Farming situation:	Irrigated
Problem diagnosis:	Heavy Yield Loss due to Weed Infestation, Labour Problem Major Weed (Medic ago denticulate)
Thematic area:	Weed management
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Application of herbicides in Chickpea	
T1 – Farmers Practice-	No use of herbicides, delayed manual weeding due to labour problem
T2 –Recommended Practice-	Use of pendimethlin30%EC @1.00Kg a.i./ha PE a.i./ha PE
T3- Recommended Practice-	Use of Oxyflurofen 23.5% EC@0.25Kg a.i./ha PE
Date of sowing:	November
Date of harvesting:	March
Source of technology:	IGKV, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	Use of Pendimethline 30%EC@1.00kg ai/ha PE
Recommendations for Deptt. Personnel	
Feedback	Farmers appreciated the technology

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	12.60	q/ha	20500	50400	29900.00	2.45
T2(Recommended Practice)	15.80	q/ha	21800	63200	41400.00	2.89
T3(Recommended Practice)	15.40	q/ha	21600	61600	40000.00	2.85

Name of Discipline	Agri. Engineering
Title of on-farm trial:	Assessment of Multi crop planter for sowing of Soybean –Pigeon Pea –Chickpea Intercropping
Year/Season:	Kharif+ Rabi 2020-21
Farming situation:	Rainfed/Irrigated
Problem diagnosis:	In Soybean Pigeon pea intercropping farmer does not take any crop in rabi after the harvesting of Soybean
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Use of Multi crop planter for Sowing of Soybean and Pigeon Pea in Kharif and Chickpea in place of Soybean During Rabi	
T1 – Farmers Practice-	Seed cum fertilizer drill
T2 –Recommended Practice-	Multi crop seed cum Fertilizer planter
Date of sowing:	June and November
Date of harvesting:	October and March
Source of technology:	FAE, IGKV Raipur
Characteristics of technology:	Different crop Sowing at the Same time
Name of Crop/Enterprises:	Soybean +Pigeon pea +Chickpea
Recommendations for Farmers	Seed cum fertilizer drill
Recommendations for Deptt. Personnel	Multi crop seed cum Fertilizer planter
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	LER(1.22)	%	34670	82370	47700	2.12
T2(Recommended Practice)	LER(1.63)	%	44950	100444	55494	2.21

Name of Discipline	Agril. Engineering
Title of on-farm trial:	Assessment of Broad bed Furrow for line sowing of chickpea
Year/Season:	Rabi 2019-20
Farming situation:	Irrigated
Problem diagnosis:	Low yield Due to traditional method of sowing because broadcasting causes improper coverage of seed and fertilizer, Drainage or water logging
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Use of broad bed Furrow Seed Drill	
T1 – Farmers Practice-	Sowing of Chickpea through Seed cum fertilizer drill
T2 –Recommended Practice-	Sowing of Chickpea through of broad bed Furrow
T3- Recommended Practice-	
Date of sowing:	October
Date of harvesting:	March
Source of technology:	FAE, IGKV Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	Sowing of Chickpea through Seed cum fertilizer drill
Recommendations for Deptt. Personnel	Sowing of Chickpea through of broad bed Furrow
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 12.50	q/ha	23000	52500	29500	2.43
T2(Recommended Practice)	Yield 16.30	q/ha	23560	68460	44900	3.21

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment of Integrated crop management in rice
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis: /	Use of high seed rate coupled with heavy infestation of weeds in biasi system of rice cultivation. Sometimes crop fails due to drought situation occurred at the time of biasi
Thematic area:	ICM
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Integrated Weed management	
T1 – Farmers Practice-	Farmers Practice (Delayed Manual Weeding)
T2 –Recommended Practice-	Application of Pretilachlor (6%) + Pyrazosulfuron (0.15% GR) at 600+15 g/ha at 6-8 days after transplanting and thin layer of water for 2-3 days
Date of sowing:	June
Date of harvesting:	November
Source of technology:	NIBSM, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Rice- Chickpea
Recommendations for Farmers	Farmers Practice (Delayed Manual Weeding)
Recommendations for Deptt. Personnel	Application of Pretilachlor (6%) + Pyrazosulfuron (0.15% GR) at 600+15 g/ha at 6-8 days after transplanting and thin layer of water for 2-3 days
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield(40.25)	q/ha	38450	80500	42050	2.09
T2(Recommended Practice)	Yield(46.50)	q/ha	36350	93000	56650	2.55

Name of Discipline	Agri. Engineering
Title of on-farm trial:	Assessment of Self propelled Paddy transplanted for rice transplanting
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield Due to zig- zag transplanting of rice. Because plant population does not maintain proper. manual transplanting increase the cost of cultivation
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	Use of Self propelled paddy Transplanter
T1 – Farmers Practice-	Zig-Zag transplanting
T2 –Recommended Practice-	transplanting by Self propelled paddy Transplanter
Date of sowing:	June
Date of harvesting:	November
Source of technology:	FAE, IGKV Raipur
Characteristics of technology:	Labour and Time Saving
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	Zig-Zag transplanting
Recommendations for Deptt. Personnel	transplanting by Self propelled paddy Transplanter
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Field Capacity(0.071)	ha/hr	7000	80500	42050	2.09
T2(Recommended Practice)	Field Capacity(0.2560)	ha/hr	3000	93000	56650	2.55

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment of High yielding variety of Soybean
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Use of low yielding variety
Thematic area:	Varietal Assessment
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Improved high yielding variety JS-20-69 of Soybean	
T1 – Farmers Practice-	Soybean (JS-93-05,JS-95-60)
T2 –Recommended Practice-	High yielding variety JS-20-69 of Soybean
Date of sowing:	June
Date of harvesting:	November
Source of technology:	JNKVV
Characteristics of technology:	
Name of Crop/Enterprises:	Soybean – Chickpea
Recommendations for Farmers	Soybean (JS-93-05,JS-95-60)
Recommendations for Deptt. Personnel	High yielding variety JS-20-69 of Soybean
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield(14.50)	q/ha	18900	50750	31850	2.69
T2(Recommended Practice)	Yield(17.50)	q/ha	19400	61250	41850	3.15

Name of Discipline	Plant Pathology
Title of on-farm trial:	Assessment of chemical disease management in Soybean
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Soybean due to incidence of Anthracnose blight diseases of soybean
Thematic area:	Disease management
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Use of fungicide for the control of soybean diseases	
T1 – Farmers Practice-	Use of not recommended fungicide for the control of disease
T2 –Recommended Practice-	Use of Tebuconazole 250EC @ 156.25gm ai/ha
Date of sowing:	June
Date of harvesting:	November
Source of technology:	A. N. G.RANGA AGRICULTURAL UNIVERSITY HYDERABAD
Characteristics of technology:	
Name of Crop/Enterprises:	Soybean – Chickpea
Recommendations for Farmers	Use of not recommended fungicide for the control of disease
Recommendations for Deptt. Personnel	Use of Tebuconazole 250EC @ 156.25gm ai/ha
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield(14.50)	q/ha	18900	50750	31850	2.69
T2(Recommended Practice)	Yield(17.50)	q/ha	19400	61250	41850	3.15

Name of Discipline	Agril. Engineering
Title of on-farm trial:	Assessment of Multi crop planter for sowing of Soybean –Pigeon Pea –Chickpea Intercropping
Year/Season:	Kharif+ Rabi 2020-21
Farming situation:	Rainfed/Irrigated
Problem diagnosis:	In Soybean Pigeon pea intercropping farmer does not take any crop in rabi after the harvesting of Soybean
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Use of Multi crop planter for Sowing of Soybean and Pigeon Pea in Kharif and Chickpea in place of Soybean During Rabi	
T1 – Farmers Practice-	Seed cum fertilizer drill
T2 –Recommended Practice	Multi crop seed cum Fertilizer planter
Date of sowing:	June and November
Date of harvesting:	October and March
Source of technology:	FAE, IGKV Raipur
Characteristics of technology:	Different crop Sowing at the Same time
Name of Crop/Enterprises:	Soybean +Pigeon pea +Chickpea
Recommendations for Farmers	Seed cum fertilizer drill
Recommendations for Deptt. Personnel	Multi crop seed cum Fertilizer planter
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)			Result Awaited			
T2(Recommended Practice)						

Name of Discipline	Agril. Engineering
Title of on-farm trial:	Assessment of weeder for Inter culture operation in Soybean Crop
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Economic loss for small farmers in manual weeding in soybean crop
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Use of Manual operated Soybean weeder tools	
T1 – Farmers Practice-	Use of single wheel hoe for weeding
T2 –Recommended Practice-	Use of Manual operated Soybean weeder tools
Date of sowing:	June
Date of harvesting:	November
Source of technology:	FAE, IGKV Raipur
Characteristics of technology:	Low cost of weed management in Soybean crop
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	Use of single wheel hoe for weeding
Recommendations for Deptt. Personnel	Use of Manual operated Soybean weeder tools
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield(14.20)	q/ha	19250	49700	30450	2.58
T2(Recommended Practice)	Yield(18.45)	q/ha	19150	64575	45425	3.37

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment of High yielding variety of groundnut dharni
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Use of low yielding variety
Thematic area:	Varietal Assessment
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Improved high yielding variety (Dharni) of Groundnut	
T1 – Farmers Practice-	local variety of Groundnut
T2 –Recommended Practice-	High yielding variety of Groundnut Dharni
Date of sowing:	June
Date of harvesting:	November
Source of technology:	NRC – Groundnut Junagarh (Gujrat)
Characteristics of technology:	
Name of Crop/Enterprises:	Groundnut - Chickpea
Recommendations for Farmers	local variety of Groundnut
Recommendations for Deptt. Personnel	High yielding variety of Groundnut Dharni
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield(13.50)	q/ha	18050	54000	35950	2.99
T2(Recommended Practice)	Yield(15.80)	q/ha	19610	63200	43590	3.22

Name of Discipline	Horticulture
Title of on-farm trial:	Assessment of New tissue culture variety of Banana against High wind velocity
Year/Season:	Kharif- 2020
Farming situation:	Rainfed
Problem diagnosis:	Plant damage due to heavy wind problems, leads to heavy loss to the farmers, therefore they need short structured plant with average yield production of G-9
Thematic area:	Fruit production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Integrated crop management	
T1 – Farmers Practice-	Banana var. G-9
T2 –Recommended Practice-	Banana var. Zelig
Date of sowing:	June
Date of harvesting:	November
Source of technology:	IGKV, Raipur, 2017-18
Characteristics of technology:	
Name of Crop/Enterprises:	Banana-banana
Recommendations for Farmers	Banana var. G-9
Recommendations for Deptt. Personnel	Banana var. Zelig
Feedback	Farmers are agreed that Zelig variety is short heighted plant which cause less damage during high wind velocity.

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield/ha	Q/ha	78600	314540	235940	3.00
T2(Recommended Practice)			72150	345250	273100	3.78

Name of Discipline	Horticulture
Title of on-farm trial:	Assessment of Badi cultivation for nutritional and livelihood security of farm families
Year/Season:	Kharif- Rabi and Zaid 2020-21
Farming situation:	Rainfed
Problem diagnosis:	Due to improper management of Badi, nutrition requirement of farm families are not fulfill and hence more dependency on market for daily food requirement leads malnutrition and extra expanses among them
Thematic area:	HSG
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Homestead Gardening	
T1 – Farmers Practice-	Only Vegetable production during Kharif and Rabi season
T2 –Recommended Practice-	Kharif-Fruit+ Vegetable+ Tuber+ Spice +Vermi composting Rabi- Fruit+ Vegetable+ Tuber+ Leafy vegetables + spices and condiments Zaid- Fruit+ Leafy Vegetables+ cucurbits+ spices and condiments
Date of sowing:	Round the year
Date of harvesting:	Round the year
Source of technology:	ICAR-2014
Characteristics of technology:	
Name of Crop/Enterprises:	Kharif-Fruit+ Vegetable
Recommendations for Farmers	Only Vegetable production during Kharif and Rabi season
Recommendations for Deptt. Personnel	Kharif-Fruit+ Vegetable+ Tuber+ Spice +Vermi composting Rabi- Fruit+ Vegetable+ Tuber+ Leafy vegetables + spices and condiments Zaid- Fruit+ Leafy Vegetables+ cucurbits+ spices and condiments
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers practice)	Average yield /ha	Q/ha.	34580.00	106900.00	72320.00	2.09
T2(Recommended Practice)			130200.00	478650.00	348450.00	2.67

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment of chemical weed management in Chickpea
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Heavy Yield Loss due to Weed Infestation, Labour Problem Major Weed (Medic ago denticulate)
Thematic area:	Weed management
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Application of herbicides in Chickpea	
T1 – Farmers Practice-	No use of herbicides, delayed manual weeding due to labour problem
T2 –Recommended Practice-	Use of pendimethlin30%EC @1.00Kg a.i./ha PE a.i./ha PE
T3- Recommended Practice-	Use of Oxyflurofen 23.5% EC@0.25Kg a.i./ha PE
Date of sowing:	November
Date of harvesting:	March
Source of technology:	IGKV, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	Use of Pendimethline 30%EC@1.00kg ai/ha PE
Recommendations for Deptt. Personnel	
Feedback	Farmers appreciated the technology

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)			Result Awaited			
T2(Recommended Practice)						
T3(Recommended Practice)						

Name of Discipline	Agril. Engineering
Title of on-farm trial:	Assessment of Broad bed Furrow for line sowing of chickpea
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield Due to traditional method of sowing because broadcasting causes improper coverage of seed and fertilizer, Drainage or water logging
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Use of broad bed Furrow Seed Drill	
T1 – Farmers Practice-	Sowing of Chickpea through Seed cum fertilizer drill
T2 –Recommended Practice-	Sowing of Chickpea through of broad bed Furrow
Date of sowing:	October
Date of harvesting:	March
Source of technology:	FAE, IGKV Raipur
Characteristics of technology:	Uniformly Dropping seeds and fertilizer
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	Sowing of Chickpea through Seed cum fertilizer drill
Recommendations for Deptt. Personnel	Sowing of Chickpea through of broad bed Furrow
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)			Result Awaited			
T2(Recommended Practice)						

Name of Discipline	Horticulture
Title of on-farm trial:	Assessment of Onion cultivation through drip irrigation and Fertigation under midland irrigated condition
Year/Season:	Rabi- 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Farmers practicing flood irrigation and imbalance use of fertilizers leads to poor yield and more water requirement, poor storage life
Thematic area:	Integrated Crop Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Integrated crop management	
T1 – Farmers Practice-	Bhima Red +flood irrigation
T2 –Recommended Practice-	Bhima Red+ Drip and RDF Fertigation
T3- Recommended Practice-	Bhima Dark Red +Flood irrigation
T4- Recommended Practice	Bhima Dark Red + Drip and RDF Fertigation
Date of sowing:	November
Date of harvesting:	March
Source of technology:	IGKV, Raipur, 2017-18
Characteristics of technology:	
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	Bhima Red +flood irrigation
Recommendations for Deptt. Personnel	Bhima Dark Red + Drip and RDF Fertigation
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Av. Fresh wt. of bulb, Yield/ha					
T2(Recommended Practice)			Result Awaited			

Name of Discipline	Plant Pathology
Title of on-farm trial:	Chemical set treatment for control of Smut (Whip) disease in Sugarcane
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	No Management of smut disease of sugarcane
Thematic area:	IDM
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Management of smut disease of sugarcane with new fungicide	
T1 – Farmers Practice-	No set treatment
T2 –Recommended Practice-	Set treatment with Tebuconazole 50% @ 0.1% solution for half to one hour
Date of sowing:	November
Date of harvesting:	November
Source of technology:	IGKV, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Sugarcane
Recommendations for Farmers	No set treatment
Recommendations for Deptt. Personnel	Set treatment with Tebuconazole 50% @ 0.1% solution for half to one hour
Feedback	Farmers appreciated the technology

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 782.40	q/ha	80150	273840	193690	3.41
T2(Recommended Practice)	Yield 874.50	q/ha	78850	306075	227225	3.88

Name of Discipline	Horticulture
Title of on-farm trial:	Assessment of Water chestnut cultivation under MNREGA water bodies for livelihood support through efficient water utilization.
Year/Season:	Kharif & Rabi 2020-21
Farming situation:	Rainfed, Irrigated/ Round the year
Problem diagnosis:	Improper utilization of water bodies for livelihood resources.
Thematic area:	Integrated crop management
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement: Aquatic crop cultivation for proper utilization of water bodies.	
T1 – Farmers Practice-	Fish farming
T2 –Recommended Practice-	Kharif Season (Duration- June to December) Water chestnut cultivation
Date of sowing:	June
Date of harvesting:	December
Source of technology:	IGKV, Raipur
Characteristics of technology:	Aquatic crop cultivation
Name of Crop/Enterprises:	Water chestnut
Recommendations for Farmers	Fish cultivation
Recommendations for Deptt. Personnel	Kharif Season (Duration- June to December) Water chestnut cultivation + Marigold and Vegetable cultivation on pond bund
Feedback	Water chestnut cultivation along with cultivation of fruits and vegetable crops on pond bund helps to maximize the profit of farmers

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	Q/ha	25000.00	70000.00	50000.00	2.88
T2(Recommended Practice)			28150.00	90000.00	65000	3.19

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	Unit/ details	Observation		
		T1 (Farmers Practice)	T2(Recommended Practice)	T3(Recommended Practice)

2.3. Information about Home Science OFT:

Title of on-farm trial:	
Year/Season:	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers/farm women involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
Source of technology:	
Characteristics of technology:	

Name of Crop/Enterprises:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: **(For Nutritional security)**

Name of Enterprise /product: -.....

Detail of Technology	Name of Product /enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry)	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/ irrigated /semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
												FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Kawardha	2019-20	Rabi	Agronomy	Varietal assessment	Varietal Evaluation of Chickpea	Chickpea	Chickpea	Use of improved variety , line sowing with proper fertilizer and pest management	irrigated	Completed	5.00	10.50	13.10	24.76	0	0	12	0	12
Kawardha	2019-20	Rabi	Agronomy	Varietal assessment	Varietal Evaluation of Lathyrus	Lathyrus	Lathyrus	Varietal Evaluation of Lathyrus (Mahativada)	irrigated	Completed	5.00	9.35	11.50	22.99	0	0	12	0	12
Kawardha	2019-20	Rabi		ICM	Integrated Crop management	Arbi	Arbi	Arbi cultivation with recom	irrigated	Completed	5.00	17.36	22.30	22.15	0	0	05	0	5

			Horticulture					mended package of practice											
Ka war dha	2019-20	Rabi	Plant Protection	IDM	Integrated Disease Management	Chick pea	Chick pea	Use of non recommended fungicide for the control of disease	irrigated	Completed	5.00	10.23	4.27	65.25	0	0	12	0	12
Ka war dha	2019-20	Rabi	Plant Protection	IPM	Integrated Pest Management	Chick pea	Chick pea	Use of IPM package (Optimum seed rate, -use of bird perches, - intercropping of coriander(10:1), s-praying of profenophos	irrigated	Completed	5.00	11.60	15.30	31.89	0	0	12	0	12

								50EC @ 1 lit/ha)											
Ka war dha	201 9- 20	Rabi	Agronomy	Varietal asses sment	Varietal Evaluatio n of Wheat	Whe at	Wh eat	Use of improv ed variety , line sowing with proper fertiliz er and pest manag ement	irrigated	Comple ted	5.00	28.40	30.25	6.51	0	0	12	0	12
Ka war dha	20 20	Kharif	Agronomy	Integr ated crop mana geme nt	Direct seeded line Sowing	Ce rea l	R i c e	Indira Rajeshw ari	Rainfed	Comple ted	5.00	42.30	48.70	15.1 3	0	0	12	0	12
Ka war dha	20 20	Kharif	Plant Protection	Integr ated Diseas e Mana geme nt	Blast disease of paddy	Ce rea l	R i c e	IDM module	Rainfed	Comple ted	5.00	42.25	48.50	14.7 9	0	0	12	0	12
Ka war dha	20 20	Kharif	Agronomy	Varietal Evalua tion	Varietal Evaluation Soybean	Oil se ed	Soy bea n	RVS200 1-4	Rainfed	Comple ted	5.00	14.80	17.90	20.9 5	0	0	12	0	12
Ka war dha	20 20	Kharif	Plant Protection	Integr ated Diseas e Mana geme nt	IDM	Cereal	Rice	1. Seed Treatm ent with Carbend azim @ 2 g/kg of Seed.	Rainfed	Comple ted	5.00	42.35	48.70	14.9 9	0	0	12	0	12

								2. FYM should uniformly spread during field preparation 3. Avoid the FYM Heaps in the field . 4.Spray with Propiconazole 25 EC @ 0.1% at boot stage											
Ka war dha	20 20	Kharif	Horticulture	HOV	HOV	Vegetable	white brinjal	Chhattisgarh safed Baigan	Rainfed	Completed	1.00	270	350	12.96	1	2	3	0	6
Ka war dha	20 20 - 21	Rabi	Agronomy	Varietal Evaluation	Variety	Pulses	Chickpea	RVG-202	Irrigated	Ongoing	5.00								
Ka war dha	20 20 - 21	Rabi	Agronomy	Varietal Evaluation	Varietal Evaluation of Lathyrus	Pulses	Lathyrus	Use of improved variety, line sowing with proper fertilizer and	Irrigated	Ongoing	5.00								

								pest manage ment											
Ka war dha	20 20 - 21	Rabi	Horticulture	Integr ated Crop mana geme nt	ICP	Vegeta ble	Arbi	Arbi cultivat ion with recomm ended package of practice	Irrigated	Ongoin g	1.00								
Ka war dha	20 20 - 21	Rabi	Plant Protection	Integr ated Diseas es Mana geme nt	Chickpea, Bioagent	Pulses	Chi ckp ea	<i>Trichod erma viride</i> for control of Chickpe a collar rot	Irrigated	Ongoin g	5.00								
Ka war dha	20 20 - 21	Rabi	Plant Protection	Integr ated Pest Mana geme nt	IPM	Pulses	Chi ckp ea	Use of IPM package (Optimu m seed rate, -use of bird percher s, - intercro pping of coriand er(10:1) , s- praying	Irrigated	Ongoin g	5.00								

								of profeno phos 50EC @ 1 lit/ha)											
Ka war dha	20 20 - 21	Rabi	Agronomy	Varietal Evalua tion	Varietal Evaluation of wheat	Cereal	Wh eat	Use of improve d variety, line sowing with proper fertilizer and pest manage ment	Irrigated	Ongoin g	5.00								
Ka war dha	20 20 - 21	Rabi	Agronomy	Varietal Evalua tion	Variety	Cereal	Sug arc ane	Co- 94008	Irrigated	Ongoin g	5.00								
Ka war dha	20 20 - 21	Rabi	Plant Protection	Integr ated Pest Mana geme nt	IPM	Cereal	Sug arc ane	Set treatme nt with Tebuco nozole 50% @ 0.1% solution for half to one hour	Irrigated	Ongoin g	5.00								

3.2 Economic Impact of Crop FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Kawardha	Varietal Evaluation of Chickpea	Chickpea	Yield (q/ha)	10.50	13.10	16500	18940	42000	52400	25500	33460	2.24	2.51
Kawardha	Varietal Evaluation of Lathyrus	Lathyrus	Yield (q/ha)	9.35	11.50	13350	14150	23375	28750	10025	14600	1.75	2.03
Kawardha	Integrated Crop management	Arbi	Yield (q/ha)	17.36	22.30	83333	83871	160000	234000	76667	150129	1.92	2.79
Kawardha	Integrated Disease Management	Chickpea	Yield (q/ha)	11.50	15.70	20360	21450	46000	62800	25640	41350	2.25	2.92
Kawardha	Integrated Pest Management	Chickpea	Yield (q/ha)	11.60	15.30	20400	21600	46400	61200	26000	39600	2.27	2.83
Kawardha	Varietal Evaluation of Wheat	Wheat	Yield (q/ha)	28.40	30.25	15310	13625	48280	51425	32970	37800	2.81	2.95
Kawardha	Direct seeded line Sowing	Rice	Yield (q/ha)	42.30	48.70	35150	32450	84600	97400	49450	64950	2.40	3.00
Kawardha	Blast disease of paddy	Rice	Yield (q/ha)	42.25	48.50	34500	32250	84500	97000	50000	64750	2.44	3.00
Kawardha	Varietal Evaluation Soybean	Soybean	Yield (q/ha)	14.80	17.90	19100	19600	51800	62650	32700	43050	2.71	3.20
Kawardha	IDM	Rice	Yield (q/ha)	42.35	48.70	34450	32200	84700	97400	50250	65200	2.45	3.02
Kawardha	HOV	white brinjal	Yield (q/ha)	270.0	350.0	46500	51450	154870	189000	108370	137550	2.33	2.67
Kawardha	Variety	Chickpea	Yield (q/ha)										

Kawardha	Varietal Evaluation of Lathyrus	Lathyrus	Yield (q/ha)										
Kawardha	ICP	Arbi	Yield (q/ha)										
Kawardha	Chickpea, Bioagent	Chickpea	Yield (q/ha)										
Kawardha	IPM	Chickpea	Yield (q/ha)										
Kawardha	Varietal Evaluation of wheat	Wheat	Yield (q/ha)										
Kawardha	Variety	Sugarcane	Yield (q/ha)										
Kawardha	IPM	Sugarcane	Yield (q/ha)										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Tech/Technology / Enterprise	Farming Situation (Rainfed /irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
											FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Kawardha	Rabi 2019-20	Rabi	Farm mechanization	Vertical Conveyor Reaper	Cereal	Wheat		Irrigated	Completed	5.00	28.40	30.25	6.51	0	0	13	0	13
Kawardha	Rabi 2019-20	Rabi	Farm mechanization	Seed cum Fertilizer Drill for sowing	Cereal	Wheat		Irrigated	Completed	5.00	28.40	30.25	6.51	0	0	13	0	13
Kawardha	2020	Kharif	Farm mechanization	Inclined plate planter	Cereal	Rice	Rajeshwari	Rainfed	Completed	5.00	42.30	48.70	15.13	0	0	13	0	13
Kawardha	2020	Kharif	Farm Mechanization	Broad bed furrow seed drill	Oilseed	Soybean	RVS20 01-4	Rainfed	Completed	5.00	14.20	18.45	29.92	0	13	0	0	13
Kawardha	2020	Kharif	Farm Mechanization	Raised bed Planter	Oilseed	Soybean	RVS20 01-4	Rainfed	Completed	5.00	14.70	18.75	27.55	03		10	0	13
Kawardha	2020-	Rabi	Farm	Seed cum	Cereal	Wheat		Irrigated	Ongoing	5.00								

	21		Mechanization	Fertilizer Drill for sowing													
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3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Kawardha	Vertical Conveyor Reaper	Wheat	Yield q/ha	28.40	30.25	15310	13625	48280	51425	32970	37800	2.81	2.95
Kawardha	Seed cum Fertilizer Drill for sowing	Wheat	Yield q/ha	28.40	30.25	15310	13625	48280	51425	32970	37800	2.81	2.95
Kawardha	Inclined plate planter	Rice	Yield q/ha	42.30	48.70	35150	32450	84600	97400	49450	64950	2.40	3.00
Kawardha	Broad bed furrow seed drill	Soybean	Yield q/ha	14.20	18.45	19250	19150	49700	64575	30450	45425	2.58	3.37
Kawardha	Raised bed Planter	Soybean	Yield q/ha	14.70	18.75	19150	19650	51450	65625	32300	49975	2.68	3.33
Kawardha	Seed cum Fertilizer Drill for sowing	Wheat	Yield q/ha										

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterpr	Name of	Name of	Farming Situation	Completed/Ongo	Crop-Area	Results (q/ha)	% chang	No. of farmers
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				ed	rise Catego ry	Crop/ Enter prise	Variet y/Tech nology / Enter prise	(Rainfed/irrig ated/semi- irrigated)	ing	(ha) / Entrep - No.	FP (T ₁)	RP (T ₂)	e	SC	S T	Oth ers	Gener al	Total

3.6 Economic Impact of Animal Science FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Tech nology / Enterprise	Farming Situation (rainfed/irrig ated/semi- irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
											FP (T ₁)	RP (T ₂)		SC	S T	Oth ers	Gener al	Total
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.8 Economic Impact of Fishery FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

3.9 Information about Home Science FLDs - (For All Thematic Area)

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	Technology demonstrated	Performance Indicator / Parameter													
		Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

KVK name	Technology demonstrated	Performance Indicator / Parameter									
		Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Economic Performance Home Science FLD: (For value addition)

KVK name	Technology demonstrated	Performance Indicator / Parameter											
		Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements							
		Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ Height(in m) * Height(in m)))			
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T2	T1	T2	T1	T2	T1	T2	
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Kawardha	Nil	Nil	Nil	Nil	Nil

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Kawardha	Use of self-propelled paddy transplanter	Transplanting Paddy crop by Transplanter	OFT	YES
Kawardha	Use of Inclined Plate Planter for Line sowing of Paddy Crop	Direct Sowing of Paddy by Inclined Plate Planter	FLD	YES
Kawardha	Use of Multicrop Planter	Sowing of Oilseed and Pulses Crop by Multicrop Planter	OFT	YES
Kawardha	Use Self Propelled Vertical Conveyor Reaper	Harvesting Paddy and Wheat crop By Reaper	FLD	YES
Kawardha	Use of Broad Bed Furrow Seed Drill for Sowing of Soybean and Chickpea	Sowing of Soybean and Chickpea with BBF Broad Bed Furrow Seed Drill	OFT	YES
Kawardha	Use of Raised Bed Planter	Sowing of Chickpea with Raised Bed Planter	OFT	YES
Kawardha	Integrated pest management of Paddy	1. Transplanting of one row of Karigilas variety after every nine rows of cultivated Paddy variety.	FLD	YES
Kawardha	Establishment of Badi cultivation for nutritional security of farm families	Seasonal cultivation of Vegetable, Fruits, Spices to full fill the family needs	OFT	YES
Kawardha	Mushroom Cultivation	Mushroom cultivation for nutritional security of farm families	Vocational Training	YES
Kawardha	Assessment of New variety of Banana Zelig	Zelig variety is tolerant against high wind velocity	OFT	YES

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Kawardha	Zelig variety is tolerant against high wind velocity
Kawardha	Seasonal cultivation of Vegetable, Fruits, Spices to full fill the family needs
Kawardha	Sowing of Chickpea with Raised Bed Planter minimizes the losses due to water logged field condition, less wilt losses and weed infestation
Kawardha	Transplanting Paddy crop by Transplanter helps to minimizes labour cost and time saving.
Kawardha	Reaper minimizes the labour cost and time saving on field operations.

4.3. 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 involved
Kawardha	FW	Field visits , Group discussion with the farmers	02.01.20/Pathhrra	28
Kawardha	FW	Field visits , Group discussion with the farmers	06.01.20/Barpelatola	32
Kawardha	FW	Field visits , Group discussion with the farmers	13.01.20/Gangpur	23
Kawardha	FW	Field visits , Group discussion with the farmers	22.01.20/Karesara	21
Kawardha	FW	Field visits , Group discussion with the farmers	01.02.20/Pandariya	30
Kawardha	FW	Field visits , Group discussion with the farmers	22.02.20/Gangpur	24
Kawardha	FW	Field visits , Group discussion with the farmers	02.03.20/Birkona	35
Kawardha	FW	Field visits , Group discussion with the farmers	05.03.20/Gorakgpur	26
Kawardha	FW	Field visits , Group discussion with the farmers	25.05.20/Bamhani	30
Kawardha	FW	Field visits , Group discussion with the farmers with In services persons	10.06.20/Bharewapuran	22

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

(*please fill all columns)

Name of KVK	Category (F & F W/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	FW	OFC	Crop Production	Weed Management	Weed Management	1	1	6	1	0	0	1	0	15	0
KWD	FW	OFC	Crop Production	Resource Conservation Technologies	Seed Production	1	1	3	2	3	0	2	2	5	0
KWD	FW	OFC	Crop Production	Cropping Systems	Integrated crop	1	1	4	0	0	0	3	0	22	0
KWD	FW	ONC	Crop Production	Crop Diversification	Cropping Systems	1	1	1	0	3	0	6	1	5	2
KWD	FW	ONC	Crop Production	Integrated Farming	Production of organic inputs	1	1	4	0	3	0	6	2	7	0
KWD	FW	OFC	Crop Production	Micro irrigation/irrigation	Water management	1	1	3	0	2	0	2	0	6	3
KWD	FW	ONC	Horticulture (Vegetable Crops)	Mushroom Cultivation	Mushroom Cultivation	1	1	2	1	5	0	2	4	2	0
KWD	FW	OFC	Horticulture (Vegetable Crops)	Off season vegetables	Badi Cultivation	1	1	6	0	2	2	4	3	5	6
KWD	FW	ONC	Horticulture (Vegetable Crops)	Vegetable production	Homestead Farming & Vegetable Production	1	1	3	4	5	0	1	2	3	3
KWD	FW	OFC	Horticulture (Vegetable Crops)	Mushroom Production	Mushroom Production	2	2	8	0	0	5	0	0	10	1
KWD	FW	OFC	Horticulture (Vegetable Crops)	Mushroom Production	Mushroom Production	1	1	11	0	0	0	3	0	14	1
KWD	FW	ONC	Horticulture (Fruits)	Management of young plants/orchards	Nursery plant production and Management of Fruit orchard	1	1	4	5	1	2	8	0	3	1
KWD	F&F W	ONC	Horticulture(Plantation crops)	Processing and value addition	Fruit and Vegetable preservation	1	1	4	2	1	1	0	9	10	1
KWD	F&F W	OFC	Agril. Engineering	Farm machinery & its maintenance	Role of Farm machinery & its maintenance	1	1	9	0	4	0	6	2	10	4
KWD	F&F W	OFC	Agril. Engineering	Use and maintenance of micro irrigation systems	Use and maintenance of micro irrigation systems	1	1	10	1	4	0	3	2	6	0
KWD	F&F W	ONC	Agril. Engineering	Use of Inter culture agriculture implements	Use of Inter culture agriculture implements	1	1	4	1	0	8	1	1	00	2

Name of KVK	Category (F & F W/F W)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	F&F W	ONC	Agril. Engineering	Use of small tools and implements	Use of small tools and implements	1	1	4	0	1	0	2	7	3	10
KWD	F&F W	ONC	Agril. Engineering	Repair and maintenance of farm machinery and implements	Repair and maintenance of farm machinery and implements	1	1	4	0	4	0	2	0	13	2
KWD	F&F W	OFC	Plant Protection	Integrated Pest Management	Insect Pest of Oilseed Crops	1	1	11	0	8	0	6	0	9	1
KWD	F&F W	ONC	Plant Protection	Integrated Disease Management	Disease and Insect of Pulse crop	1	1	6	1	2	1	0	3	5	2
KWD	F&F W	ONC	Plant Protection	Biocontrol of pests and diseases	Use of Trichoderma in Pulses crop	1	1	5	1	3	0	5	4	6	4
KWD	F&F W	OFC	Plant Protection	Production of bio control agents and bio pesticides	Trichoderma Production	1	1	3	1	6	2	6	1	10	4
KWD	F&F W	OFC	Plant Protection	Mushroom production	Mushroom production	1	1	9	1	3	2	1	0	12	2

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Kawardha	RY	ONC	Nursery Management of Horticulture crops	Nursery Management	1	1	3	0	0	0	5	2	10	6
Kawardha	RY	ONC	Training and pruning of orchards	pruning of orchards	1	1	10	3	0	0	4	1	12	8
Kawardha	RY	OFC	Protected cultivation of vegetable crops	Protected cultivation of vegetable crops	1	1	5	2	8	4	6	3	10	9
Kawardha	RY	ONC	Commercial fruit production	Commercial fruit production	1	1	4		2	8	5	1	12	7
Kawardha	RY	OFC	Integrated farming	Integrated farming	1	1	3	1	4	3	10	4	6	03
Kawardha	RY	OFC	Seed production	Seed production	1	1	1	0	5	0	10	6	5	2
Kawardha	RY	ONC	Planting material production	Planting material production	1	1	6	3	0	0	5	2	10	5
Kawardha	RY	OFC	Vermi culture	Vermi culture	1	1	1	0	5	0	3	1	12	10
Kawardha	RY	OFC	Mushroom Production	Mushroom Production	1	1	5	2	0	0	8	4	9	6
Kawardha	RY	OFC	Repair and maintenance of farm	Repair and maintenance of farm	1	1	8	0	6	2	2	1	10	2

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			machinery and implements	machinery and implements										

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Kawardha	IS	ONC	Productivity enhancement in field crops	Crop Production	1	1	8	2	4	6	3	1	16	3
Kawardha	IS	OFC	Integrated Pest Management	Pest Management in Cereal crop	1	1	11	2	5	0	3	8	12	12
Kawardha	IS	OFC	Production and use of organic inputs	Fodder, Nadep & Vermi Compost Production Technology under NGGB Scheme on	1	1	6	4	2	1	8	7	6	9
Kawardha	IS	OFC	Care and maintenance of farm machinery and implements	maintenance of farm machinery	1	1	10	1	41	0	10	2	12	0
Kawardha	IS	OFC	Information networking among farmers	Aware of Crop Doctor Apps and its Uses	1	1	6	3	4	1	8	3	13	0

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	Crop production and management	Crop production (DSR)	Crop management	Crop production	Crop production	1	5	0	0	3	0	5	0	18	0
KWD	Crop production and management	Commercial fruit production	fruit production	Fruit production	Income Generation	1	5	5	0	1	0	10	0	13	0
KWD	Crop production and management	Commercial vegetable production	vegetable production	vegetable production	Crop production	1	5	1	2	0	2	9	4	10	3
KWD	Crop production and management	Integrated crop management	Integrated crop management	Crop production	Crop production	1	5	5	0	4	1	9	1	8	3
KWD	Crop production and management	Production Technology of <i>Trichoderma</i>	<i>Trichoderma</i> Production	<i>Trichoderma</i>	Disease Management	1	5	5	1	3	1	9	2	10	4
KWD	Income generation activities	Vermi-composting	Vermi-composting	Organic Farming	Income Generation	1	5	6	2	3	0	8	2	11	2

Name of KVK	Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	Income generation activities	Repair and maintenance of farm machinery & implements	Repair and maintenance of farm machinery & implements	Agril. Engineering	Farm Mechanization	1	5	5	1	6	3	4	1	9	2
KWD	Income generation activities	Mushroom cultivation	Oyster Mushroom Production Technology	Mushroom	Income Generation	1	5	6	1	5	2	7	3	8	6

Table 5.5. Sponsored Training Programmes

Name of KVK	Client (F & FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
KWD	FW	Nursery Management	Crop production and management	Increasing production and productivity of crops	Management of agriculture crop	1	1	5	0	15	0	3	0	5	0	Dept.Of Agri	NA
KWD	FW	Seed Production	Crop production and management	Increasing production and productivity of crops	Seed production of Pulses crop	1	1	4	0	16	3	1	0	6	1	Dept.Of Agri	NA
KWD	FW	Production of organic inputs	Crop production and management	Increasing production and productivity of crops	Use organics in Crop production	1	1	3	1	10	2	3	1	6	1	Dept.Of Agri	NA
KWD	FW	Seed Production	Crop production and management	Increasing production and productivity of crops	Seed production and management	1	1	9	2	13	3	2	1	4	0	Dept.Of Agri	NA
KWD	FW	Vegetable production technology	Crop production and management	Commercial production of vegetables	Commercial production of vegetables	1	1	7	2	3	1	1	1	13	2	Dept.Of Agri	NA
KWD	FW	Micro irrigation systems	Crop production and management	Fruit Plants	Use of Micro irrigation systems in Fruit Plants	1	1	5	2	10	4	2	0	9	3	Dept.Of Agri	NA
KWD	FW	Soil health and	Crop production	Soil health and	Use of proper	1	1	8	1	9	2	6	1	7	2	Dept.Of	NA

Name of KVK	Client (F & FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
		fertility management	and management	fertility management	fertility at soil											Agri	
KWD	FW	Use of net shed house for protective cultivation	Crop production and management	Methods of protective cultivation	Nursery management in Protected cultivation	1	1	5	1	6	2	5	1	8	4	Dept.Of Agri	NA
KWD	FW	Introduction of Primary and Secondary Machine	Farm Mechanization	Primary and Secondary agriculture Machine	Introduction of Primary and Secondary Machine	1	1	6	2	15	3	6	1	8	2	Dept.Of Agri	NA
KWD	FW	Integrated Pest Management	Crop production and management	Integrated Pest Management	Integrated Pest Management	1	1	8	2	5	1	6	2	10	3	Dept.Of Agri	NA
KWD	FW	Production of bio control agents and bio pesticides	Crop production and management	Production of bio control agents and bio pesticides	Production of bio control agents and bio pesticides	1	1	6	1	3	0	4	1	3	1	Dept.Of Agri	NA
KWD	FW	Disease and Insect of Pulse crop	Crop production and management	Disease and Insect of Pulse crop	Disease and Insect of Pulse crop	1	1	3	0	5	1	1	2	6	2	Dept.Of Agri	NA

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self-employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Kawardha	Integrated Farming System	IFS Units	1	5	2
Kawardha	Integrated Farming System	IFS Units	1	5	3
Kawardha	Integrated Farming System	IFS Units	1	5	3
Kawardha	Integrated Farming System	IFS Units	1	5	2
Kawardha	Integrated Farming System	IFS Units	1	5	3

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Name of KVK	Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Kawardha	Water Conservation	OTHER	Water Conservation	FW	1	1	8	2	11	6	6	2	8	3	ICRG, Zila Panchayat	NA
Kawardha	NGGB	Crop Production	Fodder	FW	1	1	10	1	15	04	6	3	5	2	Zila Panchayat	NA
Kawardha	NGGB	Badi Development	Vegetable production	FW	1	1	12	3	12	2	3	1	14	5	Zila Panchayat	NA
Kawardha	NGGB	Vermi compost Production	Organic Manure Production	FW	1	1	6	2	22	5	9	03	8	4	Zila Panchayat	NA
Kawardha	NGGB	Water Conservation	Construction of stop dam	FW	1	1	11	6	18	5	10	4	11	6	Zila Panchayat	NA

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	03	83
Design and development of low/minimum cost diet	-	-
Designing and development for high nutrient efficiency diet	01	46
Minimization of nutrient loss in processing	01	32
Processing and cooking	-	-
Gender mainstreaming through SHGs	-	-
Storage loss minimization techniques	01	30
Value addition	01	45
Women empowerment	03	128
Location specific drudgery reduction technologies	03	89
Rural Crafts		
Women and child care	02	82
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	01	28

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production	03	78
Horticulture	03	80
Soil Health and Fertility Management	01	75

Livestock Production and Management	-	-
Agri. Engineering	03	73
Plant Protection	03	76
Fisheries	-	-
Production of Input at site	-	-
Capacity Building and Group Dynamics	01	25
Agro forestry	-	-

Table 5.10 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./ha or Rs./ year)		Impact on		
			Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Kawardha	Trichoderma Production Technology	110	25	85	17.70	18.82	60250	65800	75 % knowledge increased	75 person adopted	25000 ha expanded
Kawardha	Mushroom Production	450	40	98	650.00 g/day	845.00 g/day			80% knowledge increased	450 person adopted	250 unit established
Kawardha	Seed production of Pigeon pea	200	45	95	16.50	18.50	49000	74000	80% knowledge increased	250 person adopted	300 ha expanded
Kawardha	Vermi culture	500	35	95	-	-	-	-	80% knowledge increased	75 person adopted	25000 ha expanded
Kawardha	Nursery Management of Horticultural crops	80	45	95	-	-	-	-	90% knowledge increased	100 person adopted	2000 ha expanded
Kawardha	Seed production of Chickpea	150	25	85	13.50	17.60	54000	70400	95% knowledge increased	350 person adopted	15000ha expanded
Kawardha	Soil Health Management	120	35	80	-	-	-	-	75% knowledge increased	80 person adopted	1600ha expanded
Kawardha	Integrated Farming System	320	40	75	-	-	-	-	50% knowledge increased	70 person adopted	15000 ha expanded

Kawardha	Sugarcane Production Technology	350	30	50	750	870	95000	120000	60% knowledge increased	180 person adopted	30000 ha expanded
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6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no., "please don't give "mass") *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
Kawardha	Agri mobile clinic	40	40	90	45	40	15	35	20	21	14			
Kawardha	Advisory Services													
Kawardha	Plant/Animal Health Camp	02	02	30	10	44	11	25	20	10	5			
Kawardha	Awareness programme	25	25	215	55	85	64	60	33	22	12			
Kawardha	Celebration of important days	15	10	128	88	15	19	23	18	10	05			
Kawardha	Diagnostic visits	50	60	585	110	102	15	95	26	15	05			
Kawardha	Exhibition	04	04	355	111	210	90	115	55	50	45			
Kawardha	Exposure visits	06	06	190	49	80	45	60	33	30	12			
Kawardha	Extension literature	05	05	4500	505	1542	650	1660	355	255	120			
Kawardha	Ex-trainees Sammelan	10	11	2500	677	568	458	687	359	120	90			
Kawardha	Farmers visit to KVK	2000	78	1611	155	158	65	389	85	25	10			
Kawardha	Farm Science Club													
Kawardha	Farmers Seminar/Workshop	05	05	60	23	10	12	30	33	40	25			
Kawardha	Field Day	10	03	243	25	04		14	02	04	01			
Kawardha	Film Show													
Kawardha	Group Discussion	12	12	55	20	35	8	30	40	45	25			
Kawardha	Kisan Ghosthi/Sammelan	15	14	310	55	40	06	65	05	20	15			
Kawardha	Kisan Mela	02	03	119	15	9	03	75	09	02	03			
Kawardha	Krishi Mahotsav	02	02	525	102	110	22	80	25	15	05			
Kawardha	Lectures delivered as resource persons	05	05	70	25	10	09	32	25	42	25			

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no., "please don't give "mass") *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
				M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
Kawardha	Mahila Mandals conveners meetings	05	05	65	28	15	12	28	22	38	25			
Kawardha	Method Demonstrations	17	20	622	95	95	55	90	45	15	05			
Kawardha	Pradhanmantri phasal beema yojana	04	04	355	51	44	16	75	05	22	15			
Kawardha	Scientific visit to farmers field	55	60	568	110	102	15	110	11	10	06			
Kawardha	Self Help Group conveners meetings	05	05	65	28	15	12	28	22	38	25			
Kawardha	Soil health Camp	02	02	42	01	06		09						
Kawardha	Soil test campaigns	01	02											
Kawardha	Special Day Celebration (Pls specify)													
Kawardha	Technology Week	10	06	5	19	02	0	28	01					
Kawardha	Others (Swachhta Pakhawada)	10	16	244	80	24	5	20	18	18	12			

Mass media used for wide publicity

Name of media	Number of events/activity	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
CD/DVD	04	Akaswani	Kawardha	Local
Radio talks	02	Akaswani	0	Local
TV talks	0		Kawardha	Local
Newspaper coverage	0	0		
Kisan Mela	01			
Extension Literature				
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Kawardha	January to March 2020	Q1	1000	1000	Farmers, blocks office etc.
Kawardha	April to June 2020	Q2	1000	1000	Farmers, blocks office etc.
Kawardha	July to September 2020	Q3	1000	1000	Farmers, blocks office etc.
Kawardha	October to December 2020	Q4	1000	1000	Farmers, blocks office etc.

7.2 Literature developed/published

KVK Name	Type	Number (please don't give mass please fill number only)	Number of copies printed (please don't give mass please fill number only)
Kawardha	Abstract		
Kawardha	Book		
Kawardha	Book Chapter		
Kawardha	Booklet		
Kawardha	CD/DVD	04	04
Kawardha	Leaflets/ Folder/ Pamphlet	04	4000
Kawardha	Popular article	05	500
Kawardha	Research Paper	02	02
Kawardha	Technical Bulletin		
Kawardha	Training Manual		
Kawardha	Technical Report		
Kawardha	Year Planner	01	1000
Kawardha	Others (pl. specify)		

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Kawardha					

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7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Kawardha	DVD	World Soil Health Day	01
Kawardha	DVD	KVK FARM (Kharif & Rabi -2020)	04
Kawardha	DVD	Field Day	02

8. Production and Supply of Technological Products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety (pl. give the name of variety instead of local)	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Kawardha	Pulse	Urd Bean	Indira Urd 1	3.50	21000	40	20.00
Kawardha	<u>Pulse</u>	Pigeonpea	Rajivlochan	12.00	73200	150	60.00
Kawardha	Oilseed	Soybean	JS 2029	27.00	143100	90	30.00
Kawardha	Oilseed	Soybean	JS 2069	42.00	222600	100	56.00

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety (pl. give the name of variety instead of local)	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
KAWARDHA	Vegetable	Tomato	Kashi Aman	50000	10000	200	10
KAWARDHA	Vegetable	Tomato	Pusa Rubi	50000	10000	300	8
KAWARDHA	Vegetable	Cauliflower	Kashi Gobhi - 25	20000	10000	200	7
KAWARDHA	Vegetable	Brinjal	Pusa Uttam	50000	10000	250	9
KAWARDHA	Vegetable	Brinjal	Kasi Uttam	50000	10000	250	10
KAWARDHA	Vegetable	Chilli	Kasi Ratna	50000	10000	300	10
KAWARDHA	Vegetable	Chilli	Kasi Gaurav	50000	10000	300	11
KAWARDHA	Fruits	Custard Apple	Local	5000	100000	155	30
KAWARDHA	Fruits	Guava	Allahabad Safeda	1000	50000	225	5
KAWARDHA	Fruits	Lemon	Vikram and PDKV Lime	650	32500	250	30
KAWARDHA	Fruits	Badam	Local	500	15000	100	2
KAWARDHA	Fruits	Kaju	Local	500	20000	100	1
KAWARDHA	Fruits	Tamarind	Local	3000	90000	335	20

KVK Name	Major group/class	Name of Crop	Variety (pl. give the name of variety instead of local)	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
KAWARDHA	Fruits	Ber	Local	2000	60000	75	20
KAWARDHA	Fruits	Drumstick	PKM 1	6000	120000	350	50
KAWARDHA	Others	Khamhar	Local	5000	150000	400	40

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

* Name of product should follow same pattern

KVK Name	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Kawardha	Bio Fertilizers	Non Symbiotic Azotobacter					
Kawardha		Vermicompost	1500.00	75	15000	USED IN KVK IFS UNIT	
Kawardha		Azolla	20.00		1000	USED IN KVK IFS UNIT	
Kawardha		Earthworms					
Kawardha		Compost					
Kawardha		Blue green algae					
Kawardha		NADEP					
Kawardha		Sanjeewani Khad					
Kawardha		Acetobactor					
Kawardha		Aspergillus					
Kawardha		Azatobactor					
Kawardha		Azospirillum					
Kawardha		Phosphate solublizing Bacteria					
Kawardha		Rhizobium					
Kawardha		Other (pl. sp.)					
Kawardha	Bio-Food	Spirulina					
Kawardha		Honey					

KVK Name	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Kawardha		Any Other (pl. sp.)					
Kawardha	Bio Pesticides	Neem extract					
Kawardha		Neem powder					
Kawardha		Tobacco extract					
Kawardha		Trichoderma viride	1000		150000	1200	1200
Kawardha		Trichoderma harjinum					
Kawardha		Trichogramma chilonis					
Kawardha		Beauveria bassiana					
Kawardha		Metarhizium anisopliae					
Kawardha		Pseudomonas fluorescens					
Kawardha		SINPV					
Kawardha		HaNPV					
Kawardha		GF1					
Kawardha		Baco Lures					
Kawardha		Heli Lures					
Kawardha		Leucin Lures					
Kawardha		Paecilomyces					
Kawardha		Panchagavya					
Kawardha		Verticillium					
Kawardha	Bio Agents (Tricho card)	Trichogramma chilonis					
Kawardha		Chrysoperla carnea					
Kawardha		Tricho card					
Kawardha		Any other (Pl. Specify)					
Kawardha	Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
Kawardha		Epiricania melanolauca					
Kawardha	Bio Agents(Worms)	Eisenia fetida					
Kawardha		Eudrilus eugeniae					
Kawardha		Earth worm					

KVK Name	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Kawardha		Any other (pl. specify)					
Kawardha	Others	Mushroom spawn	500	500	60000	350	350
Kawardha		Mineral Mixture					
Kawardha		Cow dung (dry)					
Kawardha		Any other (pl. specify)					
Kawardha							

8.4 Livestock and fisheries production

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
Kawardha	Dairy animals	Cow	Sahiwal	Milk	Liter	3501	140040	10
Kawardha		Calves						
Kawardha		Goats						
Kawardha		Buffaloes						
Kawardha		Sheep						
Kawardha		Breeding bull						
Kawardha		Other (pl specify)						
Kawardha								
Kawardha	Poultry	Poultry	Kadakhnath	Chicken	Kg	42	25200	100
Kawardha		Japanese quail						
Kawardha		Japanese quail eggs						
Kawardha		Ducks						
Kawardha		Turkey						
Kawardha		Other						
Kawardha								
Kawardha	Piggery	Piglets						

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
Kawardha		Boar						
Kawardha		Sow						
Kawardha		Other (pl specify)						
Kawardha	Fisheries	Indian carp	Rohu, Katla	Fish	kg	30	3000	10
Kawardha		Exotic carp						
Kawardha		Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020:

KVK Name	Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
				Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory	Mini Soil Testing kit	Soil testing laboratory	Through Mini Soil Testing kit	Through Soil testing laboratory				
		Sanctioned	Procured												
Kawardha	Y	0	0	700	500	1400			7900			10		5200	

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)
Kawardha	No	No	No	No	No

9.3 Details of Plant samples analyzed so far :

KVK Name	No. of Plant Samples analyzed	No. of Farmers	No. of Villages	Amount realized
Kawardha	No	No	No	No

10. Rainwater Harvesting

10.1. Training Programmes conducted by using Rainwater Harvesting Demonstration Unit 🌿

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Kawardha		Best Practice of Water Conservation	PF	01	04	0	0	0	10	6	03	00	24

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Kawardha	03	03	2000	1500	523

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	Female
Kawardha		Use of Drip system in Vegetable production in	RY	1	5	1	0	0	12	0	6	0	24
Kawardha		Use of Drip system in Chickpea crop	RY	1	0	0	2	0	18	0	15	0	35

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Kawardha	Nil	Nil	Nil	Nil	Nil

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Kawardha	21.07.2020	86	Sugarcane intercropping , IPM in Chickpea production ,and More focus in IFS Modules establishment at farmers field

*Attached separate file.

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020				
	No. of Farmers		No. of officials	No. of	Total
Kawardha	January to March	815	11	07	3192
Kawardha	April to June	109			
Kawardha	July to September	860			
Kawardha	October to December	1390			

*Separate JPEG Photographs (2-3 only)

16. Status of Kisan Mobile Advisory (KVK-KMA)

KV K	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	1	Crop Management	Crop Production Technology	15		1			
			Integrated Farming						
			Field Preparation			1	75077	1013	1013
			Any Other (Specify)						
	2	Weather	Advisory						
			Change in variety						
			Change in Sowing technique						
			Climate forecast						
			Any Other (Specify)						
	3	Soil Management	Soil Testing	10					
			INM						
			Fertilizer Application						
			Vermicomposting/ bio- waste recycling						
			Bio-fertilizer						
			Any Other (Specify)						
	4	Disease & Pest Management	Disease Management	30		4	75077	1013	1013
			Pest Management	36		9	75077	1013	1013
			Preventive Advisory Disease Management	5					
			Preventive Advisory Pest Management			1	75077	1013	1013
			Bio-pesticides						
			Any Other (Specify)						
	5	Nutrition Security & Women Empowerment	Nutrition Awareness						
			Kitchen garden						
			Value Addition and Processing						

KV K	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
			Drudgery Reduction						
			Entrepreneurship & Income Generation						
			Advisory						
			Any Other (Specify)	10		4	75077	1013	1013
	6	Horticulture	Vegetable	21					
			Fruit	15					
			Hi Tech Horticulture						
			Any Other (Specify)	3					
	7	Livestock	Feed and Fodder						
			Dairy Management	10					
			Fisheries						
			Poultry Management	5					
			Vaccination & Disease management						
			Any Other(Specify)						
	8	Farm Mechanization		2					
	9	Extension		2					
	10	Organic Farming							
	11	Marketing							
	12	Awareness		10		1	75077	1013	1013
	13	Other Enterprise							
	14	Any Other(Specify)		5		9	75077	1013	1013

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Kawardha	DMF	State	1000000	Hatchery Unit	Kawardha	DMF
Kawardha	MGNRGA	State	1500000	Poultry Shed	Kawardha	MGNRGA
Kawardha	MGNRGA	State	672000	Small Nursery	Kawardha	MGNRGA
Kawardha	MGNRGA	State	545000	Working Shed	Kawardha	MGNRGA
Kawardha	Soil testing	State		Soil testing	Kawardha	DDA
Kawardha	Swachata	Central	6000		Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	
Kawardha	NMOOP (Cluster demonstration on Mustard /Rapeseed ,Soybean and Linseed)	Central	295000	FLD, Field Day, Ag. Exhibition	Kawardha, S. Lohara and Bodla, District- Kabirdham	NMOOP (Cluster demonstration on Mustard /Rapeseed ,Soybean and Linseed)
Kawardha	N.F.S.M (Cluster demonstration on Chickpea and Pigeon Pea)	Central	320000	FLD, Field Day, Ag. Exhibition -	Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	N.F.S.M (Cluster demonstration on Chickpea and Pigeon Pea)

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
Kawardha	1000000	OFT	17	55000	675000
		FLD (other than CFLD)	19	150000	
		Training	55	55000	
		Extension Activities	147	65000	
		SAC Meeting	01		
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Kawardha	288801100365	2930977.69	2773812.69	Seed Production and Others

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./F armer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Kawardha	Smt. Aditi Kashyap, W/o. Shri Manak Ram Kashyap, Village – Paliguda, Block – Kawardha, District- Kabridham has been Awarded with Agriculture Minister Krishi Karman Award by Hon’ble Prime Minister of India, Shri Narendra Modi on 02 Jan 2020	Farmer	National	ICAR, New Delhi	200000

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
500.00	Cereals	Rice	Different varieties	Rajeshwari, Bamleshwari, Purnima, Danteshwari
500.00	Cereals	Wheat	Different varieties	Ratan, MP 3366, CG Gehu, Sujata
350.00	Oilseeds	Soybean	Different varieties	JS-2029,JS-2069, CG Soya 1, RVS 2001-4
50.00	Oilseeds	Mustard	CG Sarso	CG Sarso-1
100.00	Pulses	Green gram	Pariy Moong,HUM-16, HUM 12	Pariy moong
50.00	Pulses	Black gram	Indira urd-1	Indira urd-1

22. 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 farm innovator with pin code	Mobile No.
1	Kawardha	Sh. Suraj Singh Parihar	Seed Production of Pulses	Jogipur Patharra	8319485988
2	Kawardha	Sh. Roshan Singh Parihar	Hi tech Sugarcane Production	Patharra	9406306685
3	Kawardha	Sh. Shailesh Chandravanshi	IFS Model	Mohgaon	8120244958
4	Kawardha	Sh. Pramod Manikpuri	Seed Production	Karesara	9755372281
5	Kawardha	Sh. Makhan Patel	Vegetable Production	Barpelatola	8817799751
6	Kawardha	Sh. Sheikh Sauinuddin	Fish cum Duck Farming	Pondi	7898129150

7	Kawardha	Smt. Savita Chandravanshi	Poultry Farming	Birkona	7000515562
8	Kawardha	Sh. Chandu Dhurwe	Vermi Compost	Patharra	9926544663
9	Kawardha	Sh. Balak Das	Mushroom Production	Bodla	8889001045
10	Kawardha	Sh. Siyaram Dhurwe	Poultry Farming	Patharra	6260175719

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Kawardha	02.01.20,06.01.20,13.01.20,22.01.20.,01.02.20,22.02.20,02.03.20,05.03.20,25.05.20,10.06.20,12.06.20,18.06.20,19.06.20,23.06.20,25.06.20,29.06.20,01.07.20,8.07.20,25.07.20,04.08.20,17.08.20,11.09.20,03.10.20,12.10.20,26.10.20,29.10.20,10.11.20,,28.11.20,1.12.20,5.12.20,18.12.2020.	Approx. 25 farmers interaction of each village

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Kawardha	04	04	04	02	04	02

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awareness programmes etc.

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

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
Kawardha	No	No	No	No	No	No	No

*Attached separate File

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Kawardha	Rajnandgoan	Training, Field visit	01	01	Sugarcane intercropping , IPM in Chickpea production ,and More focus in IFS Modules establishment at farmers field
Kawardha	Bemetara	Training, Field visit			

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Kawardha	Dr. S. K. Patil, Hon'ble, VC, IGKV Raipur	30.12.2020		1		
Kawardha	Dr. S. R. K. Singh, Director, ATARI, Jabalpur (M. P.)	30.12.2020	1	1		
Kawardha	Dr. S. C. Mukherjee, DES, IGKV Raipur.	30.12.2020		1		
Kawardha	Dr. G. K. Das, Director Farm, IGKV Raipur	30.12.2020		1		

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020	Flag Collected	Year Planner
1	Kawardha	02.02.2014	www.kvkkawardha.org	20	2382	30	YES

29. Mobile Apps developed by KVK

S.No	Name of KVK (Developer)	Name of Host organization	Title of Mobile App	Content (in one line)	Languages (in which app developed)	Number of downloads	Total expenditure incurred in developing app (Rs.)
1	Kawardha	No	No	No	No	No	No
2	IGKV Raipur	IGKV Raipur	Crop Doctor	Ekrishi panchanf, ehaat, custom hiring, Mausam, Model Farm, Rog, Samachar, Videos, Visesyagyo ki Salaah	Hindi and English	1354	No
3	ICAR, KVK Portal	ICAR, KVK Portal	KVK Apps	KVK Facilities, Package of practices, Send query, Upcoming Events, Past Events, Weather Advisory, Market, KVK Portal	Hindi and English	-	No

30. ICT based module**30.1 Information on Whats app in social media by KVK**

KVK	Discipline wise group with name of discipline	No of Farmer members	Activity details on whats app group
Kawardha	Plant Protection	102	Solution of Farmers Problems and Sharing of Discipline Related Activities and New Technologies.

Kawardha	Agronomy	75	Solution of Farmers Problems and Sharing of Discipline Related Activities and New Technologies
Kawardha	Horticulture	90	Solution of Farmers Problems and Sharing of Discipline Related Activities and New Technologies
Kawardha	Agriculture Engineering	85	Solution of Farmers Problems and Sharing of Discipline Related Activities and New Technologies

30.2 Information on social media by KVK

KVK	Facebook			Twitter		Instagram	
	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
Kawardha	05	261	25	07	48	02	02

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	Kawardha	No	No	No

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Kawardha	No	No	No

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kawardha	Dr. B. P. Tripathi	SS&H,	1	IPS 7 th International Conference "Phytopathology in Achieving UN Sustainable Development Goals" 16-20 Jan 2020 IARI Pusa Campus, New Delhi, India
Kawardha	Shri B. S. Parihar	SMS, Agronomy		IPS 7 th International Conference "Phytopathology in Achieving UN Sustainable Development Goals" 16-20 Jan 2020 IARI Pusa Campus, New Delhi, India
Kawardha	Shri B. S. Parihar	SMS, Agronomy	1	International Convention on "Perspectives to Face Contemporary Challenges of agricultural Development". For Agricultural officials 18-19 February 2020 A. P. Shinde Hall NASC, New Delhi
Kawardha	Dr. B. P. Tripathi	SS&H	1	Review meeting of Seed Hub Centres on Pulses Feb. 10, 2020 CIAE, Bhopal (M. P.)
Kawardha	Dr. B. P. Tripathi	SS&H	1	National Conference of KVKs 28.02.2020 to 01.03.2020 ICAR New Delhi
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Meeting link and schedule on interface of Nutri Smart Village of KVKs 12/06/2020 ATARI Jabalpur

Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Commodities of KVKs/Farmer group/ FPO/ SHG for marketing through TRIFED by 05/06/2020 ATARI Jabalpur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	KVKs Joining Meeting Link Interface meeting with KVKs by Hon'ble Minister of Agriculture and Farmers Welfare, Govt. of India on 30/05/2020 ICAR- ATARI, Jabalpur
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Interface with KVKs of ATARI, Jabalpur on <i>Strategy for technical backstopping of farmers and migrant labourers</i> 27.05.2020 ATARI Jabalpur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Review Workshop & Interface 26-27 May, 2020 ATARI, Jabalpur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Online meeting on 23/05/2020 for slide presentation on the issues of 19.5.2020 meeting proceedings 23/05/2020 ATARI, Jabalpur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha and KVK Staff	1	Invitation for Free Webinars 26-06-2020 and 02-07-2020 ATARI, Jabalpur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha and KVK Staff	1	Zonal Workshop 2020 Online at ICAR-ATARI, Jabalpur July 29-31, 2020 29-31. July 2020 ICAR New Delhi, ZPD Jabalpur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha		Zonal Workshop 2020 Online at ICAR-ATARI, Jabalpur 29-31. July 2020 ICAR New Delhi, ZPD Jabalpur
Kawardha	Shri B. S. Parihar	SMS, Agronomy		Zonal Workshop 2020 Online at ICAR-ATARI, Jabalpur 29-31. July 2020 ICAR New Delhi, ZPD Jabalpur
Kawardha	Smt. Rajeshwari Sahu	SMS, Hort.		Zonal Workshop 2020 Online at ICAR-ATARI, Jabalpur 29-31. July 2020 ICAR New Delhi, ZPD Jabalpur
Kawardha	Er. T. S. Sonwani, SMS	FMP		Zonal Workshop 2020 Online at ICAR-ATARI, Jabalpur 29-31. July 2020 ICAR New Delhi, ZPD Jabalpur
Kawardha	Smt. Rajeshwari Sahu	SMS, Hort.	1	Webex meeting invitation: Capacity Development of Anganwadi workers & Farm women on Poshan 17.09.2020 ATARI Jabalpur (M. P.)
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Outreach Programme for KVK Farmers on Farm Activity 07.10.2020 ICAR New Delhi
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Role of Balance Nutrition in Mitigating Malnutrition 26.09.2020 ATARI Jabalpur (M. P.)
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Review Meeting 19.10.2020 DES, IGKV Raipur
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Webinar of adhik Aay evam Surakshit Paryavaran Hetu Samekit Kit Prabandhan evam Upyogi Kit Palan 08.10.2020 Kit Vigyan Sambhag, ICAR New Delhi
	Smt. Swati Sharma	PA (Entomology)		
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Virtual Krishi Mela 2020 on 13-14 Oct 2020 Associates Director (Extension) CCS Haryana agri. Uni. Hisar (Haryana)

	Smt. Swati Sharma	PA (Entomology)		
	Er. T. S. Sonwani	SMS, FMP		
	Smt. Rajeshwari Sahu,	SMS, Hort.		
	Shri B. S. Parihar	SMS, Agronomy		
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Webinar on the Occasion of World Food Day and 75 th Anniversary of FAO on 16.10.2020 ICAR New Delhi
	Smt. Swati Sharma,	PA (Entomology)		
	Er. T. S. Sonwani,	SMS, FMP		
	Smt. Rajeshwari Sahu,	SMS, Hort.		
	Shri B. S. Parihar,	SMS, Agronomy		
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Farmers Participated and Practicing BPKP - Natural Farming participating in online workshop at KVK Kawardha on 29-30 October 2020 ICAR New Delhi
	Smt. Swati Sharma,	PA (Entomology)		
	Er. T. S. Sonwani,	SMS, FMP		
	Smt. Rajeshwari Sahu,	SMS, Hort.		
	Shri B. S. Parihar,	SMS, Agronomy		
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Impact of Nutrismart villages 23.10.2020 ATARI, Jabalpur (M. P.)
	Smt. Rajeshwari Sahu,	SMS, Hort.		
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Review of progress on Horticulture" 02.12.2020 to 03.12.2020 ATARI, Jabalpur (M. P.)
	Smt. Rajeshwari Sahu,	SMS, Hort.		
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Celebration of World Soil Health day on 5 December, 2020 of KVK Kawardha 05.12.2020 ATARI, Jabalpur (M. P.)
	Er. T. S. Sonwani,	SMS, FMP		
	Smt. Rajeshwari Sahu,	SMS, Hort. & All Staff		
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	India International Science Festival – 2020 Science for Self-Reliant India and Global Welfare 16.12.2020 ICAR , New Delhi
Kawardha	Er. T. S. Sonwani,	SMS, FMP	1	Review workshop on (Agriculture Engineering) and 18 Dec 2020(Agronomy)
	Dr. B. P. Tripathi,	SS&H, KVK Kawardha		17.12.2020 ATARI, Jabalpur (M. P.)
Kawardha	Shri B. S. Parihar,	SMS, Agronomy	1	Review workshop on (Agronomy) 18.12.2020 ATARI, Jabalpur (M. P.)
	Dr. B. P. Tripathi,	SS&H, KVK Kawardha		

Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha.	1	Agricultural Scientists Meet (India International Science Festival) 23-24 December 2020 ICAR , New Delhi
	Er. T. S. Sonwani,	SMS, FMP.		
	Smt. Rajeshwari Sahu,	SMS, Hort.		
	Shri B. S. Parihar,	SMS, Agronomy.		
	Total - 54		32	
Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)			Total Number of Programme attended (Nos)
Kawardha	54			32

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kawardha	Dr. B. P. Tripathi	SS&H,	1	Review Meeting for QRT Presentation 08.01.2020 IGKV Raipur
Kawardha	Shri B. S. Parihar	SMS, Agronomy		Review Meeting for QRT Presentation 08.01.2020 IGKV Raipur
Kawardha	Er. T. S. Sonwani	SMS, FMP	1	One Day Workshop under RKVY RAFTAAAR Scheme 24.01.2020 SAMETI, IGKV (C. G.)
Kawardha	Smt. Tripti Thakur	FM, Soil Science	1	Review Meeting 24-25 Jan. 2020 DRS and Directorate of Farm (Seeds & Farms), IGKV Raipur
Kawardha	Er. T. S. Sonwani	SMS, FMP	1	One Day Technology & Machinery Demonstration mela 19.02.2020 SV College of Agri. Engg. & Tech. & Res. Station , IGKV, Raipur (C. G.)
Kawardha	Dr. B. P. Tripathi	SS&H	1	Review Meeting of KVKs 31.01.2020 DES Raipur
Kawardha	Dr. B. P. Tripathi	SS&H	1	Participate in Rashtriya Kisan Mela 2020 23-25 Feb 2020 Baradera, Raipur (C. G.)
Kawardha	Shri B. S. Parihar	, SMS, Agronomy		Participate in Rashtriya Kisan Mela 2020 23-25 Feb 2020 Baradera, Raipur (C. G.)
Kawardha	Er. T. S. Sonwani	SMS, FMP		Participate in Rashtriya Kisan Mela 2020 23-25 Feb 2020 Baradera, Raipur (C. G.)
Kawardha	Shri Yogesh Kumar Kaushik	PA (Computer)		Participate in Rashtriya Kisan Mela 2020 23-25 Feb 2020 Baradera, Raipur (C. G.)
Kawardha	Shri A. K. Khare	Asstt, GRII		Participate in Rashtriya Kisan Mela 2020 23-25 Feb 2020 Baradera, Raipur (C. G.)
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Group Meeting of KVKs for Finalization of Action Plan 2020-21 DES, Raipur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Research & Extension Meeting- Crop Management- Crop Improvement 29.05.2020 IGKV Raipur
Kawardha	Dr. B. P. Tripathi	, SS&H, KVK Kawardha		Research & Extension Meeting- Crop Management 01.06.2020 IGKV Raipur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Research & Extension Council Meeting (level IV) 10.06.2020 IGKV Raipur
Kawardha	Shri B. S. Parihar	SMS, Agronomy	1	Review meeting of Seed Hubs and Mini Seed Hubs by 22.05.2020 DES Raipur
Kawardha	Dr. B. P. Tripathi, and KVK Staff	SS&H, KVK Kawardha	1	Review Meeting (Online through Video Conferencing) 27.07.2020 DES Raipur
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha and KVK	1	Review Meeting (Online through Video Conferencing) 19.08.2020 DES Raipur

		Staff		
Kawardha	Dr. B. P. Tripathi	SS&H, KVK Kawardha	1	Farmers education cum awareness programme Fall Army worm through Google Meet 11.09.2020DES Raipur
Kawardha	Dr. B. P. Tripathi Shri B. S. Parihar	SS&H, KVK Kawardha SMS, Agronomy	1	Workshop through Video conferencing Mode in collaboration With NABARD. 18.09.2020DES Raipur
Kawardha	Dr. B. P. Tripathi	, SS&H, KVK Kawardha	1	Review Meeting 19.10.2020DES, IGKV Raipur
Kawardha	Dr. B. P. Tripathi Er. T. S. Sonwani Smt. Rajeshwari Sahu	SS&H, KVK Kawardha SMS, FMP, SMS, Hort.	1	Online Meeting on Horticulture Crops एम.आई.डी.एच. योजना के उप-योजना, राष्ट्रीय बागवानी मिशन योजना हेतु आगामी वर्ष 2021-22 हेतु बीज/पौध रोपण सामग्री की उपलब्धता बाबत। 19.11.2020Director Farm, IGKV Raipur
Kawardha	Dr. B. P. Tripathi Shri B. S. Parihar	, SS&H, KVK Kawardha SMS, Agronomy	1	National Workshop on "Practical approach to livestock farming, Animal hygiene and health" organized by 30-31. Oct 2020College of Agriculture and Research Station Narayanpur. (CG).
Kawardha	Smt. Tripty Thakur,	FM, KVK Kawardha	1	Farms Meeting, Kharif 2020 and Planing of Rabi 2020-2128-29 Oct 2020Director Farm, IGKV Raipur
Kawardha	Dr. B. P. Tripathi,	SS&H, KVK Kawardha	1	Review Meeting on Godhan Nyay Yojna, Seed Hub, RNBm 27.11.2020DES, IGKV Raipur
Kawardha	Dr. B. P. Tripathi, Smt. Rajeshwari Sahu,	SS&H, KVK Kawardha SMS, Hort.	1	Workshop : DDU GKY Antargat project Unnati ke Prabhavi Sanchalan hetu Jila Nodal Adhikariyo ki Online Workshop 17.12.2020Vikas Ayukt Karyalaya, CG Rajya Ajivika Mission, Raipur

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Kawardha	31	20

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Kawardha	Dr. B. P. Tripathi, Smt. Swati Sharma	SS&H, KVK Kawardha PA (Entomology)	1	08.10.2020	Webinar of adhik Aay evam Surakshit Paryavaran Hetu Samekit Kit Prabandhan evam Upyogi Kit Palan 08.10.2020 Kit Vigyan Sambhag, ICAR New Delhi

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Kawardha	1	2

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. and ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
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Kawardha	2	Groundnut, Soybean Pest, Paddy Pest	DES, , DRS, Director Farm, IGKV Raipur	Kawardha
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36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Kawardha	Gosthies	14	415	
Kawardha	Lectures organized	5	238	
Kawardha	Exhibition	4	1031	
Kawardha	Film show	02	55	
Kawardha	Fair	-	-	
Kawardha	Farm/ Field Visit	48	555	
Kawardha	Diagnostic Practical's	60	680	
Kawardha	Distribution of Literature (No.)			
Kawardha	Distribution of Seed (q)	04	380	
Kawardha	Distribution of Planting materials (No.)	220000 Plants	430	
Kawardha	Bio Product distribution (Kg)	500	350	
Kawardha	Distribution of Bio Fertilizers (q)	75	USED IN KVK IFS UNIT	
Kawardha	Distribution of fingerlings			
Kawardha	Distribution of Livestock specimen (No.)			
Kawardha	Total number of farmers visited the technology week	1803.5	10	
Kawardha	Animal health camp	02	155	
Kawardha	Awareness programme	25	215	
Kawardha	Demonstration	20	251	
Kawardha	Exposure visit	06	315	
Kawardha	Ex-trainees Meet	11	5459	
Kawardha	Farmer scientist interaction	60	1025	
Kawardha	Farmers Training	55	1919	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Kawardha	Gajarghans Unmulan Pakhwada	08	350	
Kawardha	Group Meeting	10	150	
Kawardha	Jai Kisan Jai Vigyan Sangoshthi			
Kawardha	Plant Protection Week	01	110	
Kawardha	Seed treatment campaign	02	115	
Kawardha	Self Help Group convener meet	40	1152	
Kawardha	Soil health Camp	01	55	
Kawardha	Swachha Bharat Abhiyan	16	421	
Kawardha	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Kawardha	NIL	NIL	NIL	NIL

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Kawardha	NIL	NIL	NIL

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Kawardha	NIL	NIL	NIL

Seed distribution in drought hit area

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

Seedlings and Saplings distributed

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

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Bio-control Agents

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

Bio-Fertilizer

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

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Kawardha	NIL	NIL	NIL	NIL

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Kawardha	NIL	NIL	NIL	NIL	NIL

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
Kawardha	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

38. Information for TSP Jan-Dec-2020

Sl. No.	KV K	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
		No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

1	KW D	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
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39. Information for SCSP Jan-Dec-2020

Sl. No.	KVK	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
		No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						
		NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

40. Information for KSHAMTA Jan-Dec-2020

Sl. No.	State	Name of KVK	Number of Adopted Villages	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
Kawardha	C. G.	Kawardha	NO	NO	NO	NO	NO

41. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Kawardha	Bodla	Rajanawagaon

1. Technologies to be demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Crop Demonstration	Soybean	10	15.40	13.46	25
Crop Demonstration	Chickpea	10	-	-	25

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Krishak Sanghtoshti	20	21	10	51
Krishak Sanghtoshti	11	18	05	34
Krishak Sanghtoshti	15	16	08	39

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Farmer Training	18	20	10	48
Farmer Training	13	14	09	36

42. Activities in DFI Village during Jan-Dec-2020

Information about DFI Village

Name of KVK	Block	Name of DFI Village	Total geographical area (ha)	House hold	Population
Kawardha	Bodla	Rajanawagaon		640	2786

1. Technologies Assessed (OFT) in DFI Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area (ha)	No. of beneficiaries
Kawardha	Increase in productivity of crops				
Kawardha	Increase in production of livestock				
Kawardha	Improvement in efficiency of input use (cost saving)				
Kawardha	Increase in crop intensity				
Kawardha	Diversification towards high value crops				
Kawardha	Improved price realization by farmers and market linkage				

2. Technologies Demonstrated (FLD) in DFI Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area (ha)	No. of beneficiaries
Kawardha	Increase in productivity of crops				
Kawardha	Increase in production of livestock				
Kawardha	Improvement in efficiency of input use (cost saving)				
Kawardha	Increase in crop intensity				
Kawardha	Diversification towards high value crops	Community Vegetable farming	01	3.0	50
Kawardha	Improved price realization by farmers and market linkage				

3. Training Programme conducted in DFI Village

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	
Kawardha	Scientific Vegetable crop production	02	02	-	05	-	20	-	17	-	25	67
Kawardha	Plant protection techniques in Vegetable crops	02	02	-	05	-	20	-	17	-	25	67
Kawardha	Mushroom production technique	01	02	-	10	-	25	-	15	-	10	60

4. Extension Activities in DFI Village

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	
Kawardha	Krishak Sanghtoshti	01	5	3	2	0	20	11	06	04	51
Kawardha	Krishak Sanghtoshti	01	0	0	8	4	12	5	03	02	34
Kawardha	Krishak Sanghtoshti	01	8	4	5	3	5	2	05	03	39

43. Activities in Nutri-Smart Village during Jan-Dec-2020

Information about Nutri-Smart Village

Name of KVK	Block	Name of Nutri Smart Village
Kawardha	Kawardha	Barpelatola

1. Technologies Assessed (OFT) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
Kawardha	Nutritional Garden (activity in no. of Unit) (m ²)	Establishment of Nutrition Garden	01	1000	05
Kawardha	Bio-fortified Crops (activity in no. of Unit) (ha)	-	-	-	-
Kawardha	Value addition (activity in no. of Unit/Enterprise)	-	-	-	-
Kawardha	Other Enterprises (activity in no. of Unit/Enterprise)	-	-	-	-
Kawardha	Income generation (activity in no. of Unit/Enterprise)	-	-	-	-
Kawardha	Drudgery reduction (activity in no. of Unit/Enterprise)	-	-	-	-

2. Technologies Demonstrated (FLD) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
Kawardha	Nutritional Garden (activity in no. of Unit) (m ²)	-	-	-	-
Kawardha	Bio-fortified Crops (activity in no. of Unit) (ha)	Demonstration of Bio fortified	01	500	05

		varieties			
Kawardha	Value addition (activity in no. of Unit/Enterprise)	-	-	-	-
Kawardha	Other Enterprises (activity in no. of Unit/Enterprise)	-	-	-	-
Kawardha	Income generation (activity in no. of Unit/Enterprise)	Mushroom production	01	10x10 m2	20
Kawardha	Drudgery reduction (activity in no. of Unit/Enterprise)	-	-	-	-

3. Training Programme conducted in Nutri Smart Village

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	
Kawardha	Badi cultivation	05	01	-	--	-	-	-	-	20	109	129
Kawardha	Value addition of Fruits and Vegetables	03	02	-	--	-	-	-	-	22	81	103
Kawardha	Mushroom Production	03	02	-	--	-	-	-	-	42	148	190

4. Extension Activities in Nutri Smart Village

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	
Kawardha	Field Day on Oil seed and Pulses	Field Day	-	-	-	-	70	30	5	1	106

44. (a) Case Study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	Kawardha
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	

Impact	
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❖ 2-3 Photographs with caption in .jpeg format.

Name of the KVK	Kawardha
TITLE	
Introduction	1.
KVK intervention	
Output	
Outcome	
Impact	

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Kawardha	2	02

45. Well labeled Photographs in .jpeg format with **high resolution (300 dpi)** of **each activity** of the KVK.
(Separately) (Pl don't paste photo in word file)