

ANNUAL PROGRESS REPORT

January 2019 to December 2019



Krishi Vigyan Kendra, Ujjain

(Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior)

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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 2019 to December 2019
Summary of KVK Annual Report (Quantifiable Achievement) for the year 2019

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	17	85	
	On Going OFT	02	10	
	Technologies assessed (Completed OFT)	08	65	
	Technologies refined	00	00	
	On farm trials conducted	10	75	
2	Frontline demonstrations			
	Proposed Frontline demonstrations	21		
	On Going Frontline demonstrations	02	31	
	FLDs conducted on crops	15	233	
	Area under crops (ha.)	99	233	
	FLD on farm implement and tools	00	00	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	00	00	
	FLD on Fisheries - Finger lings	00	00	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	00	00	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	07	104	
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	16	16	360
	Farm women	14	14	293
	Rural youth	3	3	65
	Extension personnel/ In service	5	5	101
	Vocational trainings	2	10	65
	Sponsored Training	1	1	25
	Total	41	41	909
		No. of programmes	Participants	
4	Extension Programmes	175	67293	
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	523.9	70	
	Planting material produced (nos.)	3314	216	
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)	13	12	
	Milk Yield - Cow, Buffelo etc. (in liter)	5220	35	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	

7	Bio Products		
	Bio Agents -Earth worm (Kg.)	Qty	Beneficiaries (nos.)
	Trichoderma (kg.)	-	-
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	3987	10
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	-	-
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries
	Award (Best KVK award and scientist and farmer's award)	8	8
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)		
	KVK News letter	4	1000
	SAC Meetings conducted	2	88
	Soil sample tested	1000	1000
	Water sample tested	-	-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	4004	4004
	KVK-KMA (Message and beneficiaries)	75	64365
	Convergence programmes		
	Sponsored programmes		
	KVK Progressive Farmers interaction	02	120
	No. of Technology Week Celebrations	0	0
	Attended HRD activities organized by ZPD	2	3
	Attended HRD activities organized by DES	1	1
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	5	6
9	Current status of Revolving Funds (Amt. in Rs.)		1103454
10		No. of blocks	No. of villages
	Outreach of KVK in the District	6	1096
11		ICAR	SAU Others
	No. of important visitors to KVK (nos.)	5	16 7
12		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	30
13		Application received	Application disposed
	Status of RTI (nos.)	0	0
14		Query received	Query dissolved
	Citizen Charter (nos.)	1	1
15		Filled	Vacant
	Staff Position	12	4
16	Workshop/ Seminar/ Conference attended by staff of KVK (nos)		11
17	Publication received from ICAR /other organization (nos.)		06
18		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	2	
		Nos. of Activities	Participants/ beneficiaries
19	Activities performed in Sansad Adarsh Gram		
20	Current status of Contingency (Amt. in Rs.)	-294417	

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on December, 2019

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Ujjain	16	1	1	6	5	3	3	6	3	16	12

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Ujjain	Sr. Scientist & Head	Dr. R.P.Sharma	Extension	Ph.D.	Agril. Extn.	37400-67000 + 10000	215539	06-01-2017	Others
Ujjain	SMS/ Scientist 1	Sh.D.K.Suryawanshi	Plant Protection	M.Sc.(Ag.)	Entomology	15600-39100+8000	83842	05-12-2016	SC
Ujjain	SMS/ Scientist 2	Dr. S.K. Kaushik	Pl. Br. & Genet.	Ph.D.	Pl. Br. & Genet.	15600-39100 + 8000	110189	08.03.2007	Others
Ujjain	SMS/ Scientist 3	Dr. D.S.Tomar	Agronomy	Ph.D.	Agronomy	15600-39100 + 8000	112925	28.03.2007	Others
Ujjain	SMS/ Scientist 4	Dr.(Smt)Rekha Tiwari	Home Science	Ph.D.	Home Science	15600-39100 + 8000	110189	14.05.2007	Others
Ujjain	SMS/ Scientist 5	Sh.Hansraj Jatav	Extension	M.Sc.(Ag.)	Agril. Extn.	15600-39100+6000	72744	01-09-2014	SC
Ujjain	SMS/ Scientist 6	Vacant	-	-	-	-	-	-	-
Ujjain	Programme Assistant	Sh. Rajendra Gawali	Soil Science	M.Sc. (Ag.)	Soil Science	9300-34800 + 4600	61713	28.02.2011	ST
Ujjain	Farm Manager	Dr. Moni Singh	Home Science	Ph.D.	Home Science	15600-39100 + 5400	75693	03-06-2019	Others
Ujjain	Computer Programmer	Smt. Ghazala Khan	Computer Science	M.Sc.(Chem) & (CS)	Computer Science	15600-39100 + 5400	71716	01.04.2008	Others

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Ujjain	Accountant / superintendent	Sh. Ajay Gupta	Commerce	M.Com.	-	9300-34800+3600	50755	19-12-2016	Others
Ujjain	Stenographer	Smt. Sapna Singh	Stenography Hindi	B.A., ITI	Stenography Hindi	5200-20200+2800	40467	26-08-2016	Others
Ujjain	Driver	Rajesh Verma	-	-	-	5200-20200 + 2400	37221	11.07.2008	Others
Ujjain	Driver	Vacant	-	-	-	-	-	-	-
Ujjain	Supporting staff, if any	Vacant	-	-	-	-	-	-	-
Ujjain	Supporting staff, if any	Vacant	-	-	-	-	-	-	-

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
Ujjain	X	6	609	1986597	73.6	1370791	160775	2.8 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)
Ujjain	Bisakhedi	2015	Ghatiya	20	1500	340
Ujjain	Khajuriya sadar	2015	Ghatiya	25	3500	700
Ujjain	Guradiya gurjar	2015	Ghatiya	80	4000	800
Ujjain	Narsinghgar	2016	Khanchrod	85	1200	280
Ujjain	Gothra	2016	Ujjain	8	700	150
Ujjain	Chandmukh	2016	Ujjain	9	1200	240
Ujjain	Daudkhdi	2016	Ujjain	10	1000	200
Ujjain	Ranahera	2016	Ghatiya	28	1500	375
Ujjain	Maravda	2016	Khanchrod	80	6000	1200
Ujjain	Maravdi	2016	Khanchrod	80	1100	275
Ujjain	Gothra	2016	Ujjain	8	700	150
Ujjain	Chandmukh	2016	Ujjain	9	1200	240
Ujjain	Daudkhdi	2016	Ghatiya	10	1000	200
Ujjain	Sikandari	2016	Ujjain	9	1200	240

Ujjain	Salakhedi	2016	Ghatiya	35	1600	380
Ujjain	Undasa	2017	Ujjain	12	650	140
Ujjain	Devankheri	2017	Ujjain	13	305	120
Ujjain	Sayerkheri	2017	Ujjain	14	315	122
Ujjain	Surakhedi	2018	Barnagar	14	350	165
Ujjain	Gogapur	2018	Mehidpur	62	465	216
Ujjain	Deorakhedi	2018	Ujjain	15	350	175

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Ujjain	Sowing geometry of crops like soybean, wheat, gram etc
Ujjain	Need of IPNMs (Zinc & Sulphur) which reduces crop yield.
Ujjain	Promotion of crop, variety & agricultural diversification.
Ujjain	Integrated Weed Management.
Ujjain	Use of high yielding wilt resisting variety in Gram.
Ujjain	Use of IPM module in high value crops like soybean, gram and vegetable crops.
Ujjain	Nursery management, Varietal promotion & appropriate planting methods for horticultural crops.
Ujjain	Promotion of new agricultural implements.
Ujjain	Drudgery Reduction, health and hygiene promotion in rural women.
Ujjain	Agri-based entrepreneurship development among rural youth.
Ujjain	Capacity building and group dynamics.
Ujjain	Care & maintenance, disease, Feeding & fodder management in live stock.
Ujjain	Value addition processing Fruit and vegetable & preservation.
Ujjain	Need of Natural Resource Management i.e. soil & water
Ujjain	Technology needs in climatic resilience

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Ujjain	High seed rate and closer spacing in soybean.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Improper maintenance and care of milch animal.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Lack of agriculture and crop diversification.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Lack in concept for nursery and its	PRA, Observation and Discussion with	Barnagar, Ghatiya, Mahidpur, Tarana,

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	management of horticulture crops.	Farmers	Khanchrod & Ujjain
Ujjain	Mismanagement of soil and water resources. Poor awareness of the conservation practices.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Rare use of micro nutrients.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Mal nutrition in children and women. Drudgery in farm women.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Fruit, Vegetable preservation and processing/value addition.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Low organic carbon in soil due to poor crop residue management	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	High seed rate and closer spacing in soybean.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Improper maintenance and care of milch animal.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain
Ujjain	Lack of agriculture and crop diversification.	PRA, Observation and Discussion with Farmers	Barnagar, Ghatiya, Mahidpur, Tarana, Khanchrod & Ujjain

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 m ²
	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: 1

Title of on-farm trial:	Assessment of Wheat Production technology in soybean – wheat cropping system.
--------------------------------	---

Year/Season:	Rabi 2019
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to limited irrigation
Thematic area:	Varital Evaluation
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	HI-8663
T2 –Recommended Practice-	Pusa Tejas [HI 8759]
T3- Recommended Practice-	Pusa Mangal
Date of sowing:	15-11-2018
Date of harvesting:	22-03-2019
Source of technology:	IARI, Indore
Characteristics of technology:	<ul style="list-style-type: none"> • Variety Pusa Tejas[HI 8759]; a durum wheat var.; Av. Yield >5.7 t/ha up to 76 q/ha; timely sown irrigated condition; dual purpose var. suitable for making chapati, pasta & other food products, protein(12%), Iron(42.1 ppm), zinc(42.8ppm) • Pusa Mangal (HI-8713) Dual purpose durum wheat variety suitable for both Chapati-making & for pasta preparation, high protein content(12.0%), High yellow pigment(7.16ppm), resistance to stem & leaf rust, yield superiority(1.5-19.3%) over Lok-1 7 GW-322, for irrigated, timely sowing, resistance against Ug-99
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
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 q/ha	54.53	18200	109068	90868	5.992747
T2(Recommended Practice)	Yield q/ha	59.00	20600	118008	97408	5.728544
T3(Recommended Practice)	Yield q/ha	55.65	20600	111303	90703	5.403058

*** Yield is given in column 3**

2.1 Information about OFT: 2

Title of on-farm trial:	Assessment of Wheat variety Pusa Anmol for high yield.
Year/Season:	Rabi 2019
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to traditional variety
Thematic area:	Varital Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Variety Lok-1
T2 –Recommended Practice-	Variety HI-8737 (Pusa Anmol)
T3- Recommended Practice-	Variety HI-8663 (Poshan)
Date of sowing:	15-11-2018
Date of harvesting:	22-03-2019
Source of technology:	IARI (2013)
Characteristics of technology:	Dual purpose, resistance to stem & leaf rust, yield superiority(1.5-19.3%) over Lok-1 & GW-322, for irrigated, timely sowing, resistance against Ug-99
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
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 q/ha	51.41	18500	102810	84310	5.557297
T2(Recommended Practice)	Yield q/ha	66.16	20600	132312	111712	6.422913
T3(Recommended Practice)	Yield q/ha	63.47	20600	126948	106348	6.162524

*** Yield is given in column 3**

2.1 Information about OFT: 3

Title of on-farm trial:	Assessment of potassium chloride to mitigate terminal drought
Year/Season:	Rabi 2019
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to limited irrigation
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:	
T1 – Farmers Practice-	T1-FP HI-8663
T2 –Recommended Practice-	T 2- Mulch
T3- Recommended Practice-	T3: KCl @1%
Date of sowing:	13-11-2018
Date of harvesting:	22-03-2019
Source of technology:	IARI (2013)
Characteristics of technology:	Retention of moisture content for prolonged period enhances the yield
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
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 q/ha	51.41	16600	79678	63078	4.799864
T2(Recommended Practice)	Yield q/ha	51.85	16800	80371	63571	4.783964
T3(Recommended Practice)	Yield q/ha	53.64	17500	83142	65642	4.750971

*** Yield is given in column 3**

2.1 Information about OFT: 4

Title of on-farm trial:	Assessment of IPM practices for helicoverpa management in chickpea
Year/Season:	Rabi 2019
Farming situation:	Irrigated
Problem diagnosis:	Low Yield due infestation of Helicoverpa
Thematic area:	Integrated Pest Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Choloripyriphos
T2 –Recommended Practice-	Chlorantraniliprone @ 100 ml/ha
T3- Recommended Practice-	-
Date of sowing:	15-10-2018
Date of harvesting:	12-03-2019
Source of technology:	MPKV/IIPR (2000)
Characteristics of technology:	<ul style="list-style-type: none"> • Avoids use of disruptive pesticides. • Combination of chemical and bio-pesticides in sequential order. • Moniros insect population • releases beneficial organism & stops resurgence of pests.
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	

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 q/ha	12.50	24000	53750	29750	2.239583
T2(Recommended Practice)	Yield q/ha	16.00	25000	70400	45400	2.816
T3(Recommended Practice)	Yield q/ha	-	-	-	-	

*** Yield is given in column 3**

2.1 Information about OFT: 5

Title of on-farm trial:	Assessment of Sullectrazone for controlling annual weeds & sedges in soybean
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to heavy weed infestation
Thematic area:	Integrated Weed Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Pursuit
T2 –Recommended Practice-	Sullectrazone @ 750 ml/ha
T3- Recommended Practice-	Diclosulam 84% w/w @ 26 g a.i. g/ha (PE)
Date of sowing:	2-7-2019
Date of harvesting:	14-10-2019
Source of technology:	DSR(2016)
Characteristics of technology:	<ul style="list-style-type: none"> • It is a per-emergence herbicide and is protoperphyrinogen inhibitor. • Effectively controls broad leaf weeds and to some extent selected narrow leaf weeds in soybean and tobacco. • Also controls sedges like cyperus spp. to a considerable extent.
Name of Crop/Enterprises:	Soybean

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
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 q/ha	6.75	17000	21600	4600	1.270588
T2(Recommended Practice)	Yield q/ha	8.5	18000	27200	9200	1.511111
T3(Recommended Practice)	Yield q/ha	-	-	-	-	

*** Yield is given in column 3**

2.1 Information about OFT: 6

Title of on-farm trial:	Assessment of soybean production technology for higher productivity in soybean - chickpea cropping system
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Low yield due to old variety JS 9560 & aberrations in weather
Thematic area:	Varital Evaluation
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	JS 95-60@ 80 kg/ha
T2 –Recommended Practice-	Variety JS 20-69
T3- Recommended Practice-	RVS 2001- 4
Date of sowing:	3-7-2019
Date of harvesting:	16-10-2019
Source of technology:	RVSKVV
Characteristics of technology:	Soybean variety JS 20-69:mature in 93-95 days, high yielding(25-28 q /ha, multiple resistant to diseases (SMV), Seed Index(12.7g)
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
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 q/ha	7.82	18500	24640.88	6140.875	1.331939
T2(Recommended Practice)	Yield q/ha	12.07	20500	41638.05	21138.05	2.031124
T3(Recommended Practice)	Yield q/ha	15.65	20500	53975.25	33475.25	2.632939

2.1 Information about OFT: 7

Title of on-farm trial:	Assessment of Pigeon pea variety TJT-501/ 8803 for early maturity.
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Low yield of system productivity in pigeon pea + Wheat cropping system
Thematic area:	Varital Evaluation
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Long duration variety Asha
T2 –Recommended Practice-	TJT-501
T3- Recommended Practice-	Pusa 992
Date of sowing:	5-7-2019
Date of harvesting:	4-01-2020
Source of technology:	RVSKVV(2009)
Characteristics of technology:	It matures in 145-155 days. The variety possesses semi spreading intermediate plants with large pod, yellow flower and brown seed of 9.5g/100 seeds. It is resistant to Fusarium wilt and tolerant to Phytophthora blight.
Name of Crop/Enterprises:	Pigeonpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	

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 q/ha	6.258	4450	25344.9	20894.9	5.695483
T2(Recommended Practice)	Yield q/ha	10.728	7200	43448.4	36248.4	6.0345
T3(Recommended Practice)	Yield q/ha	8.94	7000	36207	29207	5.172429

2.1 Information about OFT: Ongoing Crop

Title of on-farm trial:	Assessment of Bio-waste decomposer for quality organic product to enhance soil health
Year/Season:	2019 / Round the Year
Farming situation:	Both
Problem diagnosis:	Deteriorating soil organic carbon content
Thematic area:	Resource conservation Technology
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Dumping the farm waste and residue in pits exposed to extreme weather conditions
T2 –Recommended Practice-	<ol style="list-style-type: none"> 1. 250 gm consortium sufficient to decompose 10,000 metric tonnes of waste in 30 days. 2. Mass Multiplication <ul style="list-style-type: none"> ❖ Mix 2 kg of jaggery in 200 liter of water in a container and stir well . ❖ Open the bottle and pour the contents of bottle into the solution (avoid direct contact of contents with hands). ❖ Stir the contents of the container and cover it with a paper/cardboard etc and stir it daily once within 4 days the material is ready
T3- Recommended Practice-	
Date of sowing:	N/a
Date of harvesting:	
Source of technology:	IARI
Characteristics of technology:	Once subjected to mass multiplication the consortium is suitable to be used for composting,

	foliar spray, in-situ composting and seed treatment.
Name of Crop/Enterprises:	Bio-waste decomposer
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
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)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.1 Information about OFT: **Ongoing Crop**

Title of on-farm trial:	Assessment of IFS Model for higher and sustainable income
Year/Season:	2019 / Round the Year
Farming situation:	Both
Problem diagnosis:	Low income due to lacunae of agro-bio diversification
Thematic area:	Integrated Farming system
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No use IFS module
T2 –Recommended Practice-	Recommended of Integrated Farming System(IFS) Module: Crop+Horticulture+Animal
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IIFSR-MODIPURRAM

Characteristics of technology:	<ul style="list-style-type: none"> • It is an intensive farming model involving more than 2 to 5 enterprises to achieve economic & sustained agricultural production to meet diverse requirement of farm household while preserving the resource base & maintaing high environmental qaulity. • Taken care of soil fertility and helat, more economic yield per unit are, reduced cost fof production, multiple income source, energy saving and recycling of resources.
Name of Crop/Enterprises:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
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)						
T2(Recommended Practice)						
T3(Recommended Practice)						

2.2. Information about Extension OFT: N/A

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

2.3. Information about Home Science OFT: 1

Title of on-farm trial:	Assessment of Nutritional Knowledge through Nutritional Game
Year/Season:	Rabi
Problem diagnosis:	Less knowledg about nutrition and its role
Thematic area:	Malnutrition
No of trials:	20
No. of farmers/farm women involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Existing knowledge about the nutrition
T2 –Recommended Practice-	Nutritional Game
Source of technology:	IIN-Hyderabad(2000)
Characteristics of technology:	Easy to understand, increase the knowledge of nutrition, easy to understand the diseases.
Name of Crop/Enterprises:	Nutritional Game
Farming situation:	N/A
Date of sowing:	N/A
Date of harvesting:	N/A
Recommendations for Farmers	Applicable for all women and adolscent girls
Recommendations for Deptt. Personnel	-
Feedback	Nutritional Game for updating the knowledge highly appreciated by the farm women. The technique was quite simple and effective at rural level. Very much useful for the ICDS dept. for diffusing the knowledge regarding nutritional aspect as the Anganwadi Karykarta were daily tackle the problems of malnutrition at rural level.

(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: -..... Nutritional Game

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)	Existing knowledge about the nutrition						Disease-3(15.00%)	Symptoms-4 (20.00%)	Food Stuff -5(25.00%)
T ₂ (Recommended Practices)	Nutritional Game						Disease-18(90.00%)	Symptoms-17 (85.00%)	Food Stuff- 16 (80.00%)
T ₃ (Recommended Practices)									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2019 to Dec-2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
											FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Ujjian	2019	Rabi	Integrated Crop Management	Full package	Oilseed	Mustard	RVM-2 and RH-749	irrigated	Completed	10	11.9	15.4	29.4	5	-	10	10	25
Ujjian	2019	Rabi	Integrated Crop Management	Full package	Pulses	Chickpea	JG-14	irrigated	Completed	40	12.5	16.4	31.2	15	-	60	25	100
Ujjian	2019	Rabi	Integrated Disease Management	Demonstration of trichoderma virde seed treatment followed by use of pseudomonas fluorescens at 35 DAS for wilt disease management in gram	Pulses	Chickpea	JG-11	irrigated	Completed	5	11.5	13.7	19.1	2	0	6	4	12

Ujjian	2019	Rabi	Integrated Nutrient Management	Molybdenum 1 gm/Kg of Seed	Pulses	Chickpea	JG-130	irrigated	Completed	5	12.8	14.3	11.7	4	-	7	1	12
Ujjian	2019	Rabi	Varietal Evaluation	DBW-110	Cereal	Wheat	DBW-110	irrigated	Completed	4	53.3	59.9	12.31	3	-	6	3	10
Ujjian	2019	Rabi	Weed Management	Clodinofo p (60g) + Metsulfur on 4g /ha	Cereal	Wheat	HI-8663	irrigated	Completed	5	46.5	52.7	13.3	2	-	5	4	12
Ujjian	2019	Rabi	Integrated Crop Management	Pusa Hydrogel	Cereal	Wheat	HI-8663	irrigated	Completed	2	39.7	42.5	7.05	1	-	2	2	5
Ujjian	2019	Rabi	Integrated Nutrient Management	IPNS in potato N: P: K (180:80:100) + 250-300 qtl. FYM	vegetable	Potato	Kufri Chipsona-1	irrigated	Completed	1	178	217	21.9	2	-	1	2	5
Ujjian	2019	Rabi	Integrated Pest Management	Demonstration of Spinosad 45%SC 100 ml/ha for thrips control in garlic	Spice	Garlic	G-282	irrigated	Completed	5	90.7	107.2	18.2	2	0	6	4	12

Ujjian	2019	Rabi	Varietal Evaluation	Kabuli Variety RVSKG-102 Seed @ 100 Kg/ha	Pulses	Chickpea	RVS KG-102	irrigated	Completed	1	9.21	15.3	66.16	2	0	3	0	5
Ujjian	2019	Rabi	Varietal Evaluation	Variety RVG-202 Seed @75Kg/ha	Pulses	Chickpea	RVG-202	irrigated	Completed	2	14.21	17.55	23.46	0	0	0	5	5
Ujjian	2019	Rabi	Varietal Evaluation	Variety HI-8713 (Pusa Mangal)	Cereal	Wheat	HI-8713 (Pusa Mangal)	irrigated	Completed	2	51	56.04	9.88	2	0	6	2	10
Ujjian	2019	Rabi	Varietal Evaluation	Variety RVW-4106 Seed @ 100 Kg/ha	Cereal	Wheat	RVW-4106	irrigated	Completed	3	51	56.16	10.12	2	0	6	2	10
Ujjain	2019	Khari	Integrated Crop Management		Oilseed	Soybean	JS-2034	rainfed	Completed	0.4	5.93	8.60	44.9	5	0	8	12	25
Ujjain	2019	Rabi	Integrated Nutrient Management	Neem coated urea @ 100/ha	Cereal	Wheat		irrigated	Completed	0.4	36.654	44.70	21.95122	3		2	5	10

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)
Ujjain	Full package	Mustard	Yield q/ha	11.9	15.4	19500	21650	42840	55440	23340	33790	2.2	2.56
Ujjain	Full package	Chickpea	Yield q/ha	12.5	16.4	20670	22500	57750	75768	37080	53268	2.79	3.37
Ujjain	Demonstration of trichoderma virde seed treatment followed by use of pseudomonas fluorescent 35 DAS for wilt disease management in gram	Chickpea	Yield q/ha	11.5	13.7	20500	21300	53130	63294	32630	41994	2.59	2.97
Ujjain	Molybdenum 1 gm/Kg of Seed	Chickpea	Yield q/ha	12.8	14.3	20500	21250	59136	66066	38636	44816	2.88	3.11
Ujjain	DBW-110	Wheat	Yield q/ha	53.3	59.9	21750	23600	85400	107000	63650	83400	3.93	4.53
Ujjain	Clodinofop (60g) + Metsulfuron 4g /ha	Wheat	Yield q/ha	46.5	52.7	21750	23600	93000	105400	71250	81800	4.28	4.47
Ujjain	Pusa Hydrogel	Wheat	Yield q/ha	39.7	42.5	21750	23600	79400	85000	57650	61400	3.65	3.6
Ujjain	IPNS in potato N: P: K (180:80:100) + 250-300 qtl. FYM	Potato	Yield q/ha	178	217	47993	52279	133520	162730	85527	110451	2.78	3.1
Ujjain	Demonstration of Spinosad 45%SC 100 ml/ha for thrips control in garlic	Garlic	Yield q/ha	90.7	107.2	45000	49000	317450	375200	272450	326200	7.05	7.66
Ujjain	Kabuli Variety RVSKG-102 Seed @ 100 Kg/ha	Chickpea	Yield q/ha	9.12	12.25	19200	22740	46961.82	63087.5	27761.82	40347.5	2.45	2.77

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)
Ujjain	Variety RVG-202 Seed @75Kg/ha	Chickpea	Yield q/ha	14.21	17.55	18180	20540	65671	81081	47491	60541	3.62	3.95
Ujjain	Variety HI-8713 (Pusa Mangal)	Wheat	Yield q/ha	51	56.04	18355	20755	101997	112075	83643	91321	5.56	5.4
Ujjain	Variety RVW-4106 Seed @ 100 Kg/ha	Wheat	Yield q/ha	51	56.16	18355	20764	101997	112319	83643	91555	5.56	5.41
Ujjain	Full package	Soybean	Yield q/ha	5.93	8.60	16500	18000	20769	30100	4269	12100	1.26	1.67
Ujjain	Nem coated urea @ 100/ha	Wheat	Yield q/ha	36.654	44.70	19400	20500	73308	89400	53908	68900	3.8	4.4

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2019 to Dec-2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Technology / Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers					
											FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total	

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)

3.5 Details of FLDs on Animal Science implemented during Jan-2019 to Dec-2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/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	

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)

3.7 Details of FLDs on Fishery implemented during Jan-2019 to Dec-2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/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	

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)

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
Ujjain	2019	Rabi	Drudgery Reduction	High drudgery and low output while harvesting of wheat	Wheat	Multipurpose Hand drwan trolley		88	66	22	7	0	2	0	9
Ujjain	2019	Kharif	Income Generation	Vermi Pit Unit	Vermi compost	Portable vermi unit	Enterprise	Awaited			7	0	7	5	19
Ujjain	2019	Kharif	Income Generation	Poltry Unit	Poultry	Kadaknaath	Enterprise	Awaited			4	0	7	1	12
Ujjain	2019	Rabi	Nutritioanl Security	KMnO4	Tomato	KMnO4	Crop				9	0	1	2	12
Ujjain	2019	Kharif	Nutritioanl Security	NKG	Seasonal Vegetable	NKG	Crop				4	0	13	02	19
Ujjain	2019	Kharif	Nutritioanl Security	Karune	Veg. Soybean	Karune	Crop				4	0	13	02	19
Ujjain	2019	Kharif	Nutritioanl Security	Pro Tray	Tomato	Pro Tray	Crop				4	0	8	2	14

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
Ujjain	High drudgery and low output while harvesting of wheat							88	66		22				

*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			
	Result Awaited													

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

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	T1	T2	T1	T2	T1	T2
Ujjain	KMnO ₄				Result given Below														
Ujjain	NKG	Dhal	Seasonal vegetable	100	100	56.91	28.83	23.4	1.9	0.55	1.31	12.33	57.82						
Ujjain	Karune	Soybean	Veg. Soybean	0	100	0	125	0	12	0	2.7	0	2.7						
Ujjain	Pro Tray	FP	Pro tray	100	200	23	46	1.9	3.8	1.8	13.6	20	40						

Result of FLD : KMnO₄ Shelf Life In (Days) T1 : 2 and T2 : 8

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Ujjain	Wheat	Field days	1	55	
Ujjain	Wheat	Farmers Training	3	75	
Ujjain	Wheat	Media coverage	1	500	
Ujjain	Wheat	Training for extension functionaries	1	25	
Ujjain	Chickpea	Field days	2	78	
Ujjain	Chickpea	Farmers Training	2	64	
Ujjain	Chickpea	Media coverage	1	800	
Ujjain	Chickpea	Training for extension functionaries	1	28	
Ujjain	Soybean	Field Day	1	30	

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
Ujjain	Technology suited to the agro-climatic situations being selected through PRA	Training and demonstration	15 to 32 % increase in yield	Good scope if govt policy are favourable
Ujjain	Technology taken to farmers were in line and recommendation of NARS for the specific agro-climatic zone. Poor performance if any may be due to weather aberrations for the specific agro-climatic zone.	PRA	All technologies on an average performed better than the existing ranging from 15 to 45 percent above with good economic returns	Likely to be adopted if government policy are farmers friendly.

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Ujjain	Nutritional Game for updating the knowledge highly appreciated by the farm women . The technique was quite simple and effective at rural level . Very much useful for the ICDS dept. for diffusing the knowledge regarding nutritional aspect as the Anganwadi Karyakarta were daily tackle the problems of malnutrition at rural level.
Ujjain	Use of pusa hydrogel for increase the soil moisture achieve the higher crop production.
Ujjain	Farm Implement should be promoted for minimize the labour cost and maximum farm income.
Ujjain	Farmers sown both varieties namely JS 20-34 and NRC-86 as new variety. New variety JS 20-34 given higher yield over NRC-86 and JS 95-60. Hence farmer's preferred JS 20-34 for ensuing kharif-2018.

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
Ujjain	FLD	Pre and post assessment	Nahariya, Guradiya	90
Ujjain	Farmers Group Meeting	PRA	Khajuria & Guradia Gurjar	135

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

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants											
								Gen		SC		ST		Others					
								M	F	M	F	M	F	M	F				
			Crop Production	Weed Management															
			Crop Production	Resource Conservation Technologies															
Ujjain	F	OFC	Crop Production	Cropping Systems	Technology of climate resilient agriculture	1	1	2		6							4		
			Crop Production	Crop Diversification															
			Crop Production	Integrated Farming															
			Crop Production	Micro irrigation/irrigation															
			Crop Production	Seed production															
			Crop Production	Nursery management															
Ujjain	F	ONC	Crop Production	Integrated Crop Management	Scientific Production Technology of Pulses under CFLD	1	1	3	0	7	0	0	0			1	4		0
Ujjain	F	ONC			Scientific Production Technology of Oilseed under CFLD	1	1	5	0	1	2	0	0			1			0
			Crop Production	Integrated nutrient Management															
			Crop Production	Production of organic inputs															
			Crop Production	Others(Pl. Specify)															
			Horticulture (Vegetable Crops)	Production of low volume and high value crops															
			Horticulture (Vegetable Crops)	Off season vegetables															
			Horticulture (Vegetable Crops)	Nursery raising															
			Horticulture (Vegetable Crops)	Exotic vegetables															
			Horticulture (Vegetable Crops)	Export potential vegetables															
			Horticulture (Vegetable Crops)	Grading and standardization															
			Horticulture (Vegetable Crops)	Protective cultivation															

Name of KVK	Category (F & FW/ FW)	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					
			Horticulture (Vegetable Crops)	Others(Pl. Specify)																
			Horticulture (Fruits)	Training and Pruning																
			Horticulture (Fruits)	Layout and Management of Orchards																
			Horticulture (Fruits)	Cultivation of Fruit																
			Horticulture (Fruits)	Management of young plants/orchards																
			Horticulture (Fruits)	Rejuvenation of old orchards																
			Horticulture (Fruits)	Export potential fruits																
			Horticulture (Fruits)	Micro irrigation systems of orchards																
			Horticulture (Fruits)	Plant propagation techniques																
			Horticulture (Fruits)	Others (Pl. Specify)																
			Horticulture (Ornamental Plants)	Nursery Management																
			Horticulture (Ornamental Plants)	Management of potted plants																
			Horticulture (Ornamental Plants)	Export potential of ornamental plants																
			Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants																
			Horticulture (Ornamental Plants)	Others (Pl. Specify)																
			Horticulture(Plantation crops)	Production and Management technology																
			Horticulture(Plantation crops)	Processing and value addition																
			Horticulture(Plantation crops)	Others (Pl. Specify)																
			Horticulture(Tuber crops)	Production and Management technology																
			Horticulture(Tuber crops)	Processing and value addition																
			Horticulture(Tuber crops)	Others (Pl. Specify)																
			Horticulture(Spices)	Production and Management technology																
			Horticulture(Spices)	Processing and value addition																
			Horticulture(Spices)	Others (Pl. Specify)																
			Horticulture(Medicinal and Aromatic Plants)	Nursery management																
			Horticulture(Medicinal and Aromatic Plants)	Production and management technology																
			Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition																
			Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)																
Ujjain	F	OFC	Soil Health and Fertility Management	Soil fertility management	Importance of soil health card & Its utility	1	1	11												8
			Soil Health and Fertility	Integrated water management																

Name of KVK	Category (F & FW/ FW)	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					
			Management																	
			Soil Health and Fertility Management	Integrated Nutrient Management																
			Soil Health and Fertility Management	Production and use of organic inputs																
Ujjain	F	OFC	Soil Health and Fertility Management	Management of Problematic soils	Soil health and fertility management	1	1	0	0	2	0	0	0	0	0	0	0	0	0	
Ujjain	F	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Beneficial soil microbes for crop production	1	1	4		1	2							8		
			Soil Health and Fertility Management	Nutrient Use Efficiency																
Ujjain	F	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Importance of soil test based fertilizer application	1	1	1										1	7	
			Soil Health and Fertility Management	Soil & water testing																
Ujjain	F	OFC	Soil Health and Fertility Management	Organic Farming	Organic Farming for profitability & Sustainability	1	1												8	
Ujjain	F	OFC	Soil Health and Fertility Management	Soil fertility management	Strategies of soil health management and sustainable farming	1	1	0	0	6	0	0	0	0	0	0	0	2	6	0
			Livestock Production and Management	Dairy Management																
			Livestock Production and Management	Poultry Management																

Name of KVK	Category (F & FW/ FW)	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				
			Livestock Production and Management	Piggery Management															
			Livestock Production and Management	Rabbit Management															
			Livestock Production and Management	Animal Nutrition Management															
			Livestock Production and Management	Disease Management															
			Livestock Production and Management	Feed & fodder technologies															
			Livestock Production and Management	Production of quality animal products															
			Livestock Production and Management	Others (Pl. Specify)															
Ujjain	FW	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Importance of Nutritional Kitchen garden for removing Malnutrition	1	1	0	1	0	8	0	0	0	0	0	0	3	
Ujjain	FW	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Kharif Vegetables Production Technique	1	1	0	0	0	0	0	0	0	0	0	0	2	4
Ujjain	FW	OFC	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Nutri rich value added product	1	1	0	0	0	0	0	0	0	0	0	0	3	5
Ujjain	FW	OFC	Home Science/Women empowerment	Minimization of nutrient loss in processing															
Ujjain	FW	OFC	Home Science/Women empowerment	Processing & cooking	Uses of fortified soya flour for improving health & Nutritional Security	1	1	0	0	0	5	0	0	0	0	0	0	1	3

Name of KVK	Category (F & FW/ FW)	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		
Ujjain	FW	OFC	Home Science/Women empowerment	Gender mainstreaming through SHGs	Importance of SHGs for income generation	1	1	0	0	0	1	0	0	0	2	0	
Ujjain	FW	ONC	Home Science/Women empowerment	Gender mainstreaming through SHGs	Self Reliance of Farm Women for Income generation through SHG	1	1	0	0	0	0	0	0	0	0	1	5
Ujjain	FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques													
Ujjain	FW	OFC	Home Science/Women empowerment	Value addition	Impact of value addition for income generation	1	1	0	2		2	8					
Ujjain	FW	OFC	Home Science/Women empowerment	Women empowerment	Women Empowerment through Nutrition kitchen garden	1	1		1	8	7					5	
Ujjain	FW	OFC	Home Science/Women empowerment	Women empowerment	Income generation through poultry farming	1	1	0	0	0	0	0	0	0	0	7	
Ujjain	FW	OFC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Drudgery reduction by adopting New technologies in farm	1	1	0	1	0	1	3	0	0	0	1	

Name of KV K	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants											
								Gen		SC		ST		Others					
								M	F	M	F	M	F	M	F				
					activities														
			Home Science/Women empowerment	Others (Pl. Specify)															
			Agril. Engineering	Farm machinery & its maintenance															
			Agril. Engineering	Installation and maintenance of micro irrigation systems															
			Agril. Engineering	Use of Plastics in farming practices															
			Agril. Engineering	Production of small tools and implements															
			Agril. Engineering	Repair and maintenance of farm machinery and implements															
			Agril. Engineering	Small scale processing and value addition															
			Agril. Engineering	Post Harvest Technology															
			Agril. Engineering	Others (Pl. Specify)															
Ujjain	F	OFC	Plant Protection	Integrated Pest Management	Integrated insect pest & disease management	1	1	3		1								1	4
Ujjain	F	OFC	Plant Protection	Integrated Disease Management	Integrated insect pest & disease management in Rabi Crops	1	1											1	9
			Plant Protection	Bio0control of pests and diseases															
			Plant Protection	Production of bio control agents and bio pesticides															
			Plant Protection	Others (Pl. Specify)															
			Fisheries	Integrated fish farming															
			Fisheries	Carp breeding and hatchery management															
			Fisheries	Carp fry and fingerling rearing															
			Fisheries	Composite fish culture															
			Fisheries	Hatchery management and culture of freshwater prawn															
			Fisheries	Breeding and culture of ornamental fishes															
			Fisheries	Portable plastic carp hatchery															
			Fisheries	Pen culture of fish and prawn															
			Fisheries	Shrimp farming															
			Fisheries	Edible oyster farming															
			Fisheries	Pearl culture															
			Fisheries	Fish processing and value addition															

Name of KV K	Category (F & FW/ FW)	Training Type (ONC/O FC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants											
								Gen		SC		ST		Others					
								M	F	M	F	M	F	M	F				
			Fisheries	Others (Pl. Specify)															
			Production of Input at site	Seed Production															
			Production of Input at site	Planting material production															
			Production of Input at site	Bio0agents production															
			Production of Input at site	Bio0pesticides production															
			Production of Input at site	Bio0fertilizer production															
			Production of Input at site	Vermi0compost production															
			Production of Input at site	Organic manures production															
			Production of Input at site	Production of fry and fingerlings															
			Production of Input at site	Production of Bee0colonies and wax sheets															
			Production of Input at site	Small tools and implements															
			Production of Input at site	Production of livestock feed and fodder															
			Production of Input at site	Production of Fish feed															
			Production of Input at site	Mushroom production															
			Production of Input at site	Apiculture															
			Production of Input at site	Others (Pl. Specify)															
Ujjain	F & FW	OFC	Capacity Building and Group Dynamics	Leadership development	Extension approach for sustainable agriculture	1	1	2	2	7	8						4	2	
Ujjain	F	OFC	Capacity Building and Group Dynamics	Group dynamics	Importance of Establishment & strengthening of FPO	1	1	1		1	0						1	0	
Ujjain	F	OFC		Group dynamics	Social media for agriculture extension	1	1	0	0	5	0	0	0				2	0	0
Ujjain	F	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Farmers empower through value addition in agriculture	1	1	20			7						2		
Ujjain	F	OFC	Capacity Building and Group Dynamics	Mobilization of social capital	Empowerment of	1	1	20	0	0	0	0	0	0	0	0	0	0	0

Name of KVK	Category (F & FW/ FW)	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				
					farmers through kisan club														
			Capacity Building and Group Dynamics	WTO and IPR issues															
			Capacity Building and Group Dynamics	Others (Pl. Specify)															
			Agro forestry	Production technologies															
			Agro forestry	Nursery management															
			Agro forestry	Integrated Farming Systems															
			Agro forestry	Others (Pl. Specify)															

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
			Nursery Management of Horticulture crops											
			Training and pruning of orchards											
			Protected cultivation of vegetable crops											
			Commercial fruit production											
Ujjain	RY	ONC	Integrated farming	Integrated Production Techniques for Rabi Crop	1	1	8	0	1	0	0	0	6	0
			Seed production											
			Production of organic inputs											
			Planting material production											
			Vermi culture	4										
			Mushroom Production											
			Bee keeping											
			Sericulture											

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
			Repair and maintenance of farm machinery and implements											
Ujjain	RY	OFC	Value addition	Farmers Empowerment through Value Addition in Agriculture	1	1	2	0	0	0	0	0	24	0
Ujjain	RY	OFC	Value addition	Empowerment of Rural youth through Agro based Entrepreneurship	1	1	0		10	0	0	0	14	0
	RY		Post Harvest Technology											
	RY		Tailoring and Stitching											
	RY		Rural Crafts											
	RY		Production of quality animal products											
	RY		Dairying											
	RY		Sheep and goat rearing											
	RY		Quail farming											
	RY		Piggery											
	RY		Rabbit farming											
	RY		Poultry production											
	RY		Ornamental fisheries											
	RY		Composite fish culture											
	RY		Freshwater prawn culture											
	RY		Shrimp farming											
	RY		Pearl culture											
	RY		Cold water fisheries											
	RY		Fish harvest and processing technology											
	RY		Fry and fingerling rearing											
	RY		Others(Pl. Specify)											

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

Name of KVK	Category (IS)	Training Type (ONC/OF C)	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		6	7	8	9	10	11	12	13	14	15
Ujjain	IS	ONC	Productivity enhancement in field crops	Scientific Crop Production of Rabi Crops	1	1	12	0	0	0	0	0	0	0
			Integrated Pest Management											
			Integrated Nutrient management											
			Rejuvenation of old orchards											
			Protected cultivation technology											
			Production and use of organic inputs											
			Care and maintenance of farm machinery and implements											
			Gender mainstreaming through SHGs											
			Formation and Management of SHGs											
Ujjain	IS	ONC	Women and Child care	Awareness of Health Status of ICDS officers for better impact at Rural Level	1	1	4	10	0	1	0	0	1	10
			Low cost and nutrient efficient diet designing	Importance of Micronutrients in Daily diet to prevent disease	1	1	0	8	0	4	0	0	0	8
Ujjain	IS	ONC	Group Dynamics and farmers organization	Communication	1	1								

Name of KVK	Category (IS)	Training Type (ONC/OF C)	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		6	7	8	9	10	11	12	13	14	15
				Management skill for extension functionaries										
			Information networking among farmers											
	IS	ONC	Capacity building for ICT application	Use of Mobile Apps in Agriculture	1	1	5	0	6	1	3	0	2	0
			Management in farm animals											
			Livestock feed and fodder production											
Ujjain	IS	ONC	Household food security	Nutritional Security	1	1	4	10	0	1	0	0	1	10
	IS		Others(Pl. Specify)											

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
	Crop production and management	Commercial floriculture													
	Crop production and management	Commercial fruit production													
	Crop production and management	Commercial vegetable production													
	Crop production and management	Integrated crop management													
	Crop production and management	Organic farming													
	Crop production and management	Others(Pl. Specify)													
	Post harvest technology and value addition	Value addition													
	Post harvest technology	Others(Pl. Specify)													

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				
	and value addition																		
	Livestock and fisheries	Dairy farming																	
	Livestock and fisheries	Composite fish culture																	
	Livestock and fisheries	Sheep and goat rearing																	
	Livestock and fisheries	Piggery																	
	Livestock and fisheries	Poultry farming																	
	Livestock and fisheries	Others(Pl. Specify)																	
	Income generation activities	Vermi-composting																	
	Income generation activities	Production of bio-agents, bio-pesticides,																	
	Income generation activities	Bio-fertilizers etc.																	
	Income generation activities	Repair and maintenance of farm machinery & implements																	
	Income generation activities	Rural Crafts																	
	Income generation activities	Seed production																	
	Income generation activities	Sericulture																	
Ujjain	Income generation activities	Mushroom cultivation	Mushroom cultivation	Livelihood Security of Rural Youth through Mushroom Production Technique	Mushroom	Income Generation	1	5	7	1	1	0	0	0	0	1	5		
Ujjain	Income generation activities	Nursery, grafting etc.	Nursery, grafting etc.	Nursery Mangement for Fruit and Vegetable Production	Nursery	Income Generation	1	5	9	0	1	0	1	0	0	7			
	Income generation activities	Tailoring, stitching, embroidery, dying etc.																	
	Income generation activities	Agri. para0workers, para0vet training																	
	Income generation activities	Others(Pl. Specify)																	
	Agricultural Extension	Capacity building and group dynamics																	

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				
	Agricultural Extension	Others(Pl. Specify)																	

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				
			Crop production and management	Increasing production and productivity of crops															
			Crop production and management	Commercial production of vegetables															
			Crop production and management	Production and value addition															
			Crop production and management	Fruit Plants															
			Crop production and management	Ornamental plants															
			Crop production and management	Spices crops															
			Crop production and management	Soil health and fertility management															
			Crop production and management	Production of Inputs at site															
			Crop production and management	Methods of protective cultivation															
			Crop production and management	Others(Pl. Specify)															
			Post harvest technology and value addition	Processing and value addition															
			Post harvest technology and value addition	Others(Pl. Specify)															
			Farm machinery	Farm machinery, tools and implements															
			Farm machinery	Others(Pl. Specify)															
			Livestock and fisheries	Livestock production and management															
			Livestock and fisheries	Animal Nutrition Management															
			Livestock and fisheries	Animal Disease Management															

Name of KVK	Client (F & FW/ W/ 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			
			fisheries															
			Livestock and fisheries	Fisheries Nutrition														
			Livestock and fisheries	Fisheries Management														
			Livestock and fisheries	Others(Pl. Specify)														
			Home Science	Household nutritional security														
			Home Science	Economic empowerment of women														
			Home Science	Drudgery reduction of women														
			Home Science	Others(Pl. Specify)														
Ujjain	RY	Leadership & community development in rural youth	Agricultural Extension	Capacity Building and Group Dynamics	Leadership & community development in rural youth	1	1	1	0	0	2	0	1	0	2	0	Nehru Yuva Kendra, Ujjain	2500
			Agricultural Extension	Others(Pl. Specify)														

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 elsewhere
		Type of units	Number of units	Number of persons employed	

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			

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Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	2	26
Design and development of low/minimum cost diet	1	24
Designing and development for high nutrient efficiency diet	1	35
Minimization of nutrient loss in processing	0	0
Processing and cooking	1	18
Gender mainstreaming through SHGs	2	45
Storage loss minimization techniques	0	0
Value addition	1	30
Women empowerment	2	37
Location specific drudgery reduction technologies	2	32
Rural Crafts	1	30
Women and child care	1	16
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	0	0

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	3	65
Horticulture		
Soil Health and Fertility Management	6	128
Livestock Production and Management		
Agril. Engineering		
Plant Protection	2	47
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics	5	120
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)
Ujjain	Mushroom Production Technique	20	12	63	16	135	610	6850	8.9	2	2

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
Ujjain	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-			
Ujjain	Animal Health Camp	-	-	-	-	-	-	-	-	-	-			
Ujjain	Awareness programme	2	2	42	14	15	0	0	0	6	0			
Ujjain	Celebration of important days	3	6	119	18	35	0	0	0	6	2			
Ujjain	Diagnostic visits	15	18	65	12	25	6	65	16	15	5			
Ujjain	Exhibition	2	4	115	15	65	25	85	12	15	3			
Ujjain	Exposure visits	1	1	45	12	35	6	0	0	6	0	To create interest and acquaintance about better standing among farmers	To create awareness about the different models of agriculture	
Ujjain	Ex-trainees Sammelan													
Ujjain	Farm advisory Services	45	75	600	199	300	500	250	250	156	10	Awareness through KMA	INM, IDM, Weather, ICM, VE etc	All
Ujjain	Farmers visit to KVK	50												
Ujjain	Field Day	6	4	113	0	20	0	5	0	10	2	To convince the participant about the applicability of the practice in their own situation	Blackgram day, soybean day, mustard day, Chickpea day, wheat day, Maize	Podding, Grain filling, Maturity
Ujjain	Group meetings	2	1	12	5	18	5	0	0	2	1	To develop a favorable	• Method of self	

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
												attitude about new method and commitment for action through group involvement	reliance • Develop the agri-business. • Generate the income	
Ujjain	Kisan Ghosthi/Sammelan	2	2	37	0	23	0	0	0	3	2			
Ujjain	Kisan Mela	1	1		325									
Ujjain	Krishi Mahotsav		0	0	0	0	0	0	0	0	0			
Ujjain	Lectures delivered as resource persons	20	25	215	65	116	46	15	5	15	10	Mass	New Agricultural Techniques to boost up crop production	
Ujjain	Mahila Mandals conveners meetings	1	1	0	51	0	18	0	0	5	3			
Ujjain	Method Demonstrations	1	1	16	0	12	0	0	0	5	2			
Ujjain	Pradhanmantri phasal beema yojana	-	-	-	-	-	-	-	-	-	-			
Ujjain	Scientific visit to farmers field	10	20	116	48	85	15	15	0	25	15	To create the awareness among farmers about major problem of crop and their control measures		During various crop stages

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks			
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages	
				M	F	M	F	M	F	M	F				
Ujjain	Self Help Group conveners meetings	-	-	-	-	-	-	-	-	-	-	-			
Ujjain	Soil health Camp	1	1	20	0	0	0	0	0	2	0	To aware the farmers about the fertility of the soil to get more productivity and to maintain the soil health	Soil Sampling, Analyzing, Recommendations		
Ujjain	Soil test campaigns	-	-	-	-	-	-	-	-	-	-				
Ujjain	Technology Week	-	-	-	-	-	-	-	-	-	-				
Ujjain	Extension literature	-	-	-	-	-	-	-	-	-	-				
Ujjain	Film Show	10	12	225	25	130	35	5	0	12	6				
Ujjain	Others(Parthenium Day)	1	1	31	0	25	5	0	0	1	0				

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	31	Radio talks	Ujjain	Kheti Grasti
TV talks	5	TV talks	Ujjain	DD Kisan
Newspaper coverage	45	Newspaper coverage	Ujjain	Krishak Jagat, Dainik Bhaskar, Nai Duniya, Krishak Aradhana, Krishak Suraksha, Awantika etc.
Internet (Youtube)	3	Internet (Youtube)	Ujjain	KVK Ujjain
Social media (Whats App, Facebook, Instagram, Twitter etc.)	50	Social media (Whats App, Facebook, Instagram, Twitter etc.)	Ujjain	Facebook, Whatsapp and Twitter

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

7.1 KVK Newsletters (Jan to Dec. 2019)

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.)
Ujjain	January to March 2019	Q1	1000	1000	1000
Ujjain	April to June 2019	Q2	1000	1000	1000
Ujjain	July to September 2019	Q3	1000	1000	1000
Ujjain	October to December 2019	Q4	1000	1000	1000

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Ujjain	Abstract	2
Ujjain	Book	
Ujjain	Book Chapter	
Ujjain	Booklet	
Ujjain	Leaflets/ Folder/ Pamphlet	4
Ujjain	Popular article	1
Ujjain	Technical Bulletin	
Ujjain	Training Manual	
Ujjain	Technical Report	1
Ujjain	Year Planner	1
Ujjain	Others (pl. specify)	2

Research paper /Review paper published during Jan to Dec. 2019

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Ujjain	Effect of different Microbial Inoculants on Growth and Physiology of Maize (<i>Zea mays</i> L.) and Wheat (<i>Triticum aestivum</i> L.) in Vertisols of Western Madhya Pradesh	Azad Ahmad Wani Dr. D.S. Tomar and Dr. Anurag Titov	Journal of pharmacognasy and phytochemistry	International	5.21
Ujjain	Study the Influence of wheat varieties for orientational preference and development period of <i>sitophilus oryzae</i> , Under aboratory condition	Surayawanshi D.K., Jatav H.R., and Kanojiya R.	International journal of Genetics	International	4.2

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Ujjain	CD	JAL Shakti Mela	1

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Ujjain	Pulse	Chickpea(B)	RVG-202	Quintal	2794960	27	281.255
Ujjain	Pulse	Chickpea(B)	JAKI 9218	Quintal	2163800	11	217.5
Ujjain	Cereals	Wheat(B)	MP 1203	Quintal	358600	32	55
Ujjain	Oilseed	Soybean Breeder	RVS24	Quintal	441750		
Ujjain	Oilseed	Soybean Breeder	RVS2001-4	Quintal	244125		
Ujjain	Oilseed	Soybean Breeder	JS 20-29	Quintal	116250		

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Ujjain	Fruits in Orchard	Citrus	Multiple		10000		
Ujjain	Fruits in Orchard	Guava	Multiple		30000		
Ujjain	Fruits in Orchard	Aonla	Multiple		5000		
Ujjain	Vegetable	Tomato	Local	1685	2528	16	2
Ujjain	Vegetable	Brinjal	Local	577	866	15	0.5
Ujjain	Vegetable	Drumstick	PKM-1	992	14880	15	3
Ujjain	Flower	Rose	Local	4	48	2	
Ujjain	Fruit	Papaya	Local	36	432	6	0.2
Ujjain	Fruit	Citrus	Local	4	80	2	
Ujjain	Fruit	Karonda	Local	16	4	160	

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
	Bio Fertilizers	Non Symbiotic Azotobacter					
Ujjain		Vermicompost	3897		27279		1.2
		Azolla					
		Earthworms					
		Compost					
		Blue green algae					
		NADEP					
		Sanjeevani Khad					
		Acetobactor					
		Aspergillus					
		Azotobactor					
		Azospirillum					
		Phosphate solublizing Bacteria					
		Rhizobium					
		Other (pl. sp.)					
		Bio-Food	Spirulina				
	Honey						
	Any Other (pl. sp.)						
	Bio Pesticides	Neem extract					
		Neem powder					
		Tobacco extract					
		Trichoderma viride					
		Trichoderma harjinum					
		Trichogramma chilonis					
		Beauveria bassiana					

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
		Metarhizium anisopliae					
		Pseudomonas fluorescens					
		SINPV					
		HaNPV					
		GF1					
		Baco Lures					
		Heli Lures					
		Leucin Lures					
		Paecilomyces					
		Panchagavya					
		Verticillium					
	Bio Agents (Tricho card)	Trichogramma chilonis					
		Chrysoperla carnea					
		Tricho card					
		Any other (Pl. Specify)					
	Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
		Epiricania melanolauca					
	Bio Agents(Worms)	Assinia foetida					
		Eudrilus eugeniae					
		Euclnia Uginae					
		Eisenia foetida					
		Earth worm					
		Any other (pl. specify)					
	Others	Mushroom spawn					
		Mineral Mixture					
		Cow dung (dry)					
		Any other (pl. specify)					

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.		
Ujjain	Dairy animals	Cow	Gir	Milk	liter	3507	147302	16
		Calves	Gir	Breeding and selling	number	2	7000	1
		Goats	Sirohi	Breeding and selling	number	11	86400	11
		Buffaloes	Murrah	Milk	liter	1713	71937	7
		Sheep						
		Breeding bull						
		Other (pl specify)						
	Poultry	Poultry						
		Japanese quail						
		Japanese quail eggs						
		Ducks						
		Turkey						
		Other						
	Piggery	Piglets						
		Boar						
		Sow						
		Other (pl specify)						
	Fisheries	Indian carp						
		Exotic carp						
		Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2019 :

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)	
						by KVKs		By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
		Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory	Mini Soil Testing kit	Soil testing laboratory								
								Sanctioned	Procured						
Ujjain	Yes	1	1	756	244	100	900	0	100	900	0	15		100	900

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)

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	

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Ujjain	0	0	3314	4004	121

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	
Ujjain	18-10-2019	Sowing Techniques in Rabi Season Crop	Farmer	1	35	0	0	0	10	0	5	0	50

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)
Ujjain	Jan to Dec	2019	30	24		14
	July	2019	30	1		14
	August	2019	15	1		14

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
Ujjain	2007	2011	6	0	

14. Details of SAC Meeting during Jan to Dec. 2019

KVK Name	Date of SAC meeting 2019	No. of SAC members (only) attended	Major action points*
Ujjain	25-09-2019	34	<p>Adoption of IFS Model for Doubling of Income</p> <p>All the allied department must frame an action plan jointly for raising the farmers income</p> <p>Red maize must be promoted due its protien content i.e.20-25 percent higher than yellow maize</p> <p>Azolla feed for higher milk production.</p> <p>Recommended Seed Varieties must be use.</p> <p>Carefull selection of varieties.</p> <p>Raised Bed plantation must be promoted.</p> <p>Crop and Agriculture Diversification must be adopted.</p> <p>Poultry unit must be establish in KVK for feasible availability of Kadaknath chicks.</p> <p>Drumstick and other vegetable seedling must be prepared at KVK for distribution.</p> <p>NABARD sponsored training must be organize in KVK for imparting the knowledge of NABARD schemes to the farmers.</p> <p>Animal Insurance under "Pashudhan Beema Yojana" should be encourage.</p> <p>Goat farming should be encourage under mixed farming.</p> <p>Gir Cow should be sell to the farmers for promoting indigineous breed.</p> <p>Promotion of Sorghum with maize.</p>

KVK Name	Date of SAC meeting 2019	No. of SAC members (only) attended	Major action points*
Ujjain	18-10-2019	54	Promotion of Entrepreneurship through SHG
			FLD should be laid out by Extension Scientist on Impact of various FLD in the district
			Incorporation of Linseed in demonstration.
			Increase the number of farmer and farm women training.
			Detail information about Nutrition Kitchen Garden must be provided.
			Increase the number of field days.
			Wheat variety for Bread must be included in OFT
			Sowing of Wheat on Broad Bad should be encourage.
			Bee keeping should be encourage
			Preparation of Oragnic manure using flower and leaves.
			Training on value addition to get the suitable prices of their produce
			Encourage the use Blue staking with spinosad application in Garlic.
Training on Barseem and othe fodder crops.			

15. Footfall of farmers in KVKs (Jan. 2019 to Dec. 2019)

Name of KVK	Footfall during 2019			
	No. of Farmers	No. of officials	No. of VIPs	Total
Ujjain	4004	121	38	4163

*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 Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
Ujja in	1	Crop Management	Crop Production Technology	264	11	64199	166	1096
			Integrated Farming		0			
			Field Preparation		1			
			Any Other (Specify)		0			
	2	Weather	Advisory		4			

KV K	S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
			Change in variety		4			
			Change in Sowing technique		0			
			Climate forecast		1			
			Any Other (Specify)		0			
	3	Soil Management	Soil Testing		3			
			INM		4			
			Fertilizer Application		1			
			Vermicomposting/ bio-waste recycling		0			
			Bio-fertilizer		0			
			Any Other (Specify)		0			
	4	Disease & Pest Management	Disease Management		12			
			Pest Management		10			
			Preventive Advisory Disease Management		0			
			Preventive Advisory Pest Management		3			
			Bio-pesticides		0			
			Any Other (Specify)		4			
	5	Nutrition Security & Women Empowerment	Nutrition Awareness		0			
			Kitchen garden		0			
			Value Addition and Processing		0			
			Drudgery Reduction		0			
			Entrepreneurship & Income Generation		0			
			Advisory		0			
			Any Other (Specify)		0			
	6	Horticulture	Vegetable		4			
Fruit				0				
Hi Tech Horticulture				0				
Any Other (Specify)				1				

KV K	S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	7	Livestock	Feed and Fodder		2			
			Dairy Management		0			
			Fisheries		0			
			Poultry Management		0			
			Vaccination & Disease management		0			
			Any Other(Specify)		0			
	8	Farm Mechanization			0			
	9	Extension			7			
	10	Organic Farming			0			
	11	Marketing			1			
	12	Awareness			2			
	13	Other Enterprise			0			
	14	Any Other(Specify)			0			

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)
Ujjain	ATMA	Central	0	Training	Ujjain, Ghatiya and Tarana	Fund not received, expenditure incurred by the department
Ujjain	Depratment of Women and Child Care	State	-	Training, Nutri- smart Village, Plantation of drumstick	Ujjain District	Fund not received, expenditure incurred by the department
Ujjain	Farmers Welfare and Agriculture Development Department	State	-	Training, Demonstration, Mela and Exhibition	Ujjain District	Fund not received, expenditure incurred by the department
Ujjain	Department of Horticulture	State		Training & Interface	Ujjain District	Fund not received, expenditure incurred by the department

Ujjain	Department of Forest	State		Vermicompost, Training and promotion of agro forestry	Ujjain District	Fund not received, expenditure incurred by the department
Ujjain	Department of Agriculture Engineering	State		Training and promotion of new technology like FIRB, BBF & Soil soiling	Ujjain District	Fund not received, expenditure incurred by the department

18. Status of Contingency Utilization Jan-Dec-2019

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2019 (Rs.)	Closing balance 31.12.2019 (Rs.)	Name of major source of revolving fund
Ujjain	1.45011E+12	658867	1103454	Dairy Unit and Soil Testing

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Ujjain	Sh. Ashwini Singh	Farmer	AIASA, ICAR and JNKVV	0	Ujjain
Ujjain	Sh. Ashwini Singh	Farmer	ICAR, New Delhi	50000	Ujjain
Ujjain	Smt. Ghazala Khan	Individual	RVSKVV, Gwalior	0	Ujjain
Ujjain	Dr. R.P.Sharma	Individual	Government of Gujarat	0	Ujjain
Ujjain	Dr. R.P.Sharma	Individual	RVSKVV, Gwalior	0	Ujjain
Ujjain	Sh. Ashwini Singh	Farmer	RVSKVV, Gwalior	10000	Ujjain

Ujjain	Dr. Rekha Tiwari	Individual	"Best Research Paper Award published in the Asian Journal of Extension Education" by MSEE, AKOLA & MPKV, Rahuri(MAH)	0	Ujjain
Ujjain	Sh. Hakam Singh	Individual	Dhanuka Innovative Award	0	Ujjain

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
2000	Cereals	Wheat	HI-1544, HI-1531, HI-1605, HI-8713, HI 8759, HI 8663, HI 8737, HD-2932, DBW-110, RVW-4106, JW 3020, HD-2864, HD-2987, GW-366, Pusa Gold, LOK-1, MPO-1215, MP-3336.	HI-8759
	Cereals	Maize	IA-1122, Komal & Lal Makka	Komal
	Pulses	Chickpea	JKG-3, RVSKG-102, Kripa, KAK-2, PKV-4, Digvijay, RVG-202, RVG-203, RSG-973, GJ-2, JG-130, JG-16, JG-412, JAKI-9218, Dollar, U-21	RVG-202
	Pulses	Pigeonpea	Pusa Arhar-2009, TJT-501, Pusa Arhar-2002, Pusa Arhar-992, JKM-7 & Asha(LC)	Pusa Arhar-2009
	Pulses	Mungbean	HUM-1, TJM-3, TM 99-50, TM 99-37, TARM-1, JM-721, Ganga-8, BPMR-145, Pant Mung-5 & Lal Mung	TJM-3
	Pulses	Blackgram	PU-1, JU-86, JU-2, JU-3, Uttra, AU-1, PU-35, AK-321, PU-30 & T-9(LC)	PU-1
	Pulses	Lentil	JL-3 & JL-1	JL-3
	Pulses	Soybean	Karune	Karune
	Oilseeds	Mustard	RH-749, RH-530, RP-09, Geeta, Urvashi, Maya, Pusa Jaikisan, RVM-1, JMWR 08-3, RVM-2, NRCYS 05-02, JM-3	RH-749
	Oilseeds	Soybean	JS 20-34, NRC-86, RVS-76, RVS-18, RVS-24, JS 20-116, RVS 2001-4, NRC-12, JS 95-60, JS 20-94, JS 20-69, AMS-1, JS 97-52, PS-1422, JS-335 & JS 20-29.	RVS 20-69
	Oilseeds	Linseed	JLS-27, JLS-66, JLS-67, JLS-73, JLS-79, JLS-95, RLC-148	JLS-67
	Vegetables	Spinach	Allgreen	Allgreen

	Vegetables	Okra	Sahiba	Sahiba
	Vegetables	Fenugreek	Kasuri Methi	Kasuri Methi
	Vegetables	Radish	Ivory	Ivory
	Vegetables	Redbeat	Rubby Red	Rubby Red
	Vegetables	Carrot	DR-12	DR-12
	Vegetables	Coriander	Green Aroma, Multicut Saundhi	Green Aroma
	Vegetables	Garden Pea	PSM-3, Natraj	PSM-3
	Vegetables	Cauliflower	SW-1104, Super Early	SW-1104
	Vegetables	Tomato	Laxmi	Laxmi
	Vegetables	Chilli	ARCH-2121, Swarna	Swarna
	Vegetables	Cabbage	Geetika	Geetika
	Vegetables	Raamfali	Desi	Desi
	Vegetables	Bathua	Desi	Desi
	Vegetables	Onion	Fulsungi	Fulsungi
	Vegetables	Bean	Madhumita	Madhumita
	Vegetables	Bittergaurd	Anushka	Anushka
	Vegetables	Ridge Gourd	Nandini	Nandini
	Vegetables	Sponge Gourd	Dolly	Dolly
	Vegetables	Bottle Gourd	Amrit	Amrit
	Vegetables	Cucumber	Mohini	Mohini
	Vegetables	Clusterbean	Sona-51	Sona-51
	Medicinals	NA	NA	NA
	Spices	Fenugreek	AFG-3, RMt-143, RMt-303, RMt-305, RMt-351 & RMt-361	RMt-305
	Fruits	NA	NA	NA

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.
Ujjain	Dharmendra Bagwan	Mushroom Shade developed by him	Chandesari, Ujjain 456001	799001085	Ujjain
Ujjain	Hakam Singh	Innovation in Vegetable Cultivation	Buchakhedi, Ujjain	9993711610	Ujjain

***Attached separate File**

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Ujjain	11-09-2019	70
Ujjain	05-12-2019	50

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
Ujjain	6	1096	6	6	38	1096

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*
-	-	-	-	-	-	-	-

***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	
Ujjain	Shajapur	SAC meeting	2	2	
Ujjain	Agarmalwa	SAC meeting	2	2	
Ujjain	Indore	SAC meeting	2	2	Azolla Unit related information received

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Ujjain	Dr. G.P.Singh, Director IIWBR	15-01-2019	Yes			
Ujjain	Dr. Tiwari, Principal Scientist, IIWBR, Karnal	15-01-2019	Yes			
Ujjain	Dr. Sai Prasad, Director, IARI, Indore	15-01-2019	Yes			
Ujjain	Prof. V.S.Tomar, Ex- VC, JNKVV, Jabalpur and RVSKVV Gwalior	29-01-2019		Yes		It was my great pleasure to visit the KVK unit of RVSKVV at Ujjain. Very good crop cafeteria is being maintained and performance of crops even under rainfed condition is worth seeing. This appears to be primarily due to adoption of better technologies and agronomic practices. Please try to extend such technologies to farmers of the area.
Ujjain	Kirti Mishra ACEO ZP	15-02-2019			Yes	Congratulations and keep on developing and using such good technologies for the benefit of farmers. All the best to PC and his team.
Ujjain	Prof. S.K. Rao, Hon'ble VC, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Dr. N.S.Rathore, Member of BOM, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Prof. V.S.Tomar, Ex- VC, JNKVV, Jabalpur and RVSKVV Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Dr. S.K.Pyasi, Member of BOM, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Dr. Sunandha Singh Raghuvanshi, Member of BOM, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Dr. Praveen Shinde,	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit.

	Member of BOM, RVSKVV, Gwalior					Participate in plantation drive at KVK.
Ujjain	Sh. Ranjeet Rana, Member of BOM, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Sh. Shivraj Sharma, Member of BOM, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Sh. D.L.Kori, Registrar, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Sh. Yogendra Kumar Saxena, Member of BOM, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Smt. Sugandhi Tiwari, Comptroller, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Sh. Amit Chatterjee, Dy. Comptroller, RVSKVV, Gwalior	03-07-2019		Yes		Board of Management Meeting. Visit of IFS unit. Participate in plantation drive at KVK.
Ujjain	Sh. Kamal Datta, Joint Secretary, Deptt. of Food and public distribution, GOI.	22-08-2019			Yes	He praise the effort of KVK for maintaining the IFS which is being used for popularizing the concept of IFS among farmers to achieve the target i.e. doubling of income. He also appreciate the effort of KVK for addressing the malnutrition in the local population in collaboration of ICDS.
Ujjain	Smt. Kiran Bisen, DFO, Ujjain	17-09-2019				Plantation at KVK Ujjain and in village Bichhrod
Ujjain	Dr. Sai Prasad, Director, IARI, Indore	02-10-2019	Yes			Jal Shakti and Gandhi Jayanti Programme
Ujjain	Sh. Anil Firoziya, MP Loksabha	02-10-2019			Yes	Jal Shakti and Gandhi Jayanti Programme
Ujjain	Sh. Karan Kumariya, Zila Panchayat president	02-10-2019			Yes	Jal Shakti and Gandhi Jayanti Programme

Ujjain	Sh. Kishore Sharma, President of Krishi Sthai Samiti, Ujjain	02-10-2019			Yes	Jal Shakti and Gandhi Jayanti Programme
Ujjain	Sh. Madanlal Chouhan, Zila Panchayat, Vice President	02-10-2019			Yes	Jal Shakti and Gandhi Jayanti Programme
Ujjain	Dr. K.C.Sharma, Principal Scientist, IARI, Indore	18-10-2019	Yes			SAC Meeting Chairman
Ujjain	Smt. Sufiya Faruquiwali, MD, MP Seed Corporation, Bhopal	23-10-2019			Yes	MP Seed Corporation Meeting
Ujjain	Prof. S.K.Rao, Hon'ble VC, RVSKVV, Gwalior Visit to KVK Ujjain	20-11-2019		Yes		General Visit to KVK
Ujjain	Dr. S.N.Upadhyay, DES, RVSKVV, Gwalior	20-11-2019		Yes		General Visit to KVK
Ujjain	Prof. S.K.Rao, Hon'ble VC, RVSKVV, Gwalior Visit to KVK Ujjain	30-11-2019				General Visit to KVK

28. Status of KVK Website during Jan to Dec. 2019

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2019	No. of visitors during 2019
1	Ujjain	08-05-2011	http://www.kvkujjain.org	30	7955

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Ujjain	2019	-	-	-

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	Ujjain	0	0	

31. Status of Citizen Charter

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

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Ujjain	Sh. Rajendra Gawali	Technical Officer	1	“Skill Development Programme” from 26-28 Nov 2019 organized by ASCI, Gurgaon at ATARI, Jabalpur
Ujjain	Sh. H.R.Jatav	Scientist(Extension)	2	Workshop on large scale technology adoption and impact at ICAR-ATARI, Jabalpur 04 February, 2019. 2. Launch workshop of project impact of CFLD” February, 2019 at ICAR-ATARI, Kanpur (U.P.) 4. two days workshop of ICT & Protection of Plant Variety and Farmers Right Authority during 26-27 February, 2019 at Deen Dayal Research Institute Chitrakoot Satna (M.P.)

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Ujjain	2	3

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Ujjain	Sh. Rajendra Gawali	Technical Officer	1	“Zero Budget Natural and Organic Farming” from 14-15 Nov 19 at KVK, Khandwa

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Ujjain	1	1

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)
Ujjain	Dr.D.S.Tomar	Scientist(Agronomy)	1	21	Refresher Course on "Tactical Response Farming for Climate Resilience" from 8-1-2019 to 28-1-2019 at GBPUAT, Pantnagar
Ujjain	Dr. S.K.Kaushik	Scientist(Plant Breeding)	1	21	Refresher Course on "Genomics Assisted Crop Breeding Techniques" from 22-1-2019 to 11-2-2019 at PAU, Ludhiana
Ujjain	Sh. Rajendra Gawali	Technical Officer	1	3	"Use of Mass Media for transfer of technology" from 11-13 July 2019 organized by EEI, AAU, Anand (Gujarat) at KVK Jhabua
Ujjain	Ghazala Khan	Senior Technical Officer	2	5	"ICT Applications, Use of M-kisan portals and Digital Learning in Agriculture and Allied Fields" from 22 to 27 July 2019 at EEI, Anand (Gujarat).
Ujjain	Dr. D.S.Tomar	Scientist(Agronomy)	1	10	Modal training course on "Weed Management" at DWR, Jabalpur

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Ujjain	5	6

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
Ujjain	Cut Worm in Soybean	15-05-2019	KMA	No
Ujjain	Fall Army Worm in Maize	05-08-2019	KMA	No

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Gosthies			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm/ Field Visit			
	Diagnostic Practical's			
	Distribution of Literature (No.)			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Distribution of Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			
	Animal health camp			
	Awareness programme			
	Demonstration			
	Exposure visit			
	Ex-trainees Meet			
	Farmer scientist interaction			
	Farmers Training			
	Gajarghans Unmulan Pakhwada			
	Group Meeting			
	Jai Kisan Jai Vigyan Sangoshthi			
	Plant Protection Week			
	Seed treatment campaign			
	Self Help Group convener meet			
	Soil health Camp			
	Swachha Bharat Abhiyan			
	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/	Number of	No. of participants

	Health/ Housing)	interactions	

Animal health camps organized

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

Seed distribution in drought hit area

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

Seedlings and Saplings distributed

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

Bio-control Agents

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

Bio-Fertilizer

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

Worms Produced

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

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

38. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village

1. Technologies to be Demonstrated

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

2. Extension Activities

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

3. Training Programme

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

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

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

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

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Ujjain	2	0

40. 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)

CFLD on Mustard Variety RVM-2



Demo-Field of CFLD on Chickpea



Demo-Field of CFLD on Chickpea



Demo-Field of CFLD on Chickpea





Distribution of Seedling in Pro-Tray to Women

Distribution of Seedling in Pro-Tray to Women



CFLD on Soybean JS 2029



Front Line Demonstration on Wheat at Guradiya Gurjar





Front Line Demonstration on Garlic(During Harvesting)

Front Line Demonstration on Soybean JS 20-29



OFT on Pigeonpea



OFT on Nutritional Game

OFT on Weed Management in Soybean



OFT on Weed Management in Soybean



Field Day on Chickpea at Guradiya Gurjar



Prof. Khandkar, Dean, College of Agriculture, Indore addressing Farmers during Field Day at Guradiya



Field Day on Chickpea



Farmers Visit to KVK during Swachhta Pakhwara

Dr. Kaushik Describe the Crop Cafeteria Concept to School Students



Demonstration of Organic Manure Preparation to the Trainees Farmer



Roof Water Harvesting Unit Demonstration to School Students



Farmers Visited to KVK Ujjain



In-Service Training on ICT



In-Service Training on ICT



In-Service Training on Crop Production



OFF Campus Training of Famers



Vocational Training on Mushroom Production Technique



Mushroom Products Prepared during VOC training





Dr. S.N.Upadhyay, DES, RVSKVV, Gwalior visited KVK



Diagnostic Visit by the Scientist

Smt Kirti Mishra, ACEO, Zila Panchayat Visited KVK Crop Cafeteia on 15-02-2019



Smt Kirti Mishra, ACEO, Zila Panchayat Visited KVK Dairy Unit on 15-02-2019



Members of Board of Management of RVSKVV, Gwalior Visit



Dr. Tomar, Ex-DRS, JNKVV, Jabalpur visited KVK Ujjain



Dr. Kamal Datta visited KVK



Ku. Bisen, DFO, Ujjain visited the IFS Unit, Azolla Unit of KVK Ujjain



Mrs. Sufiya Farooquiwali(IAS), MD, MP Seed Corporation Visited the Dairy Unit of KVK



Mrs. Sufiya Farooquiwali(IAS), MD, MP Seed Corporation Visited the Seed Hub of KVK



Sh. Anil Firoziya, MP(Loksabha), Sh. Kishor Sharma, Sh. Kiran Kumariya visit



Dr. Sai Prasad, Director IARI, Indore, Sh. Anil Firoziya, MP(Loksabha), Sh. Kishor Sharma, Sh. Kiran Kumariya and Sh. D.K.Pandey, Joint Director Agriculture, Ujjain



Prof. S.K.Rao, Hon'ble VC, RVSKVV, Gwalior visited KVK



Dr. G.P. Singh, Director, IIWBR, Karnal Visited KVK Ujjain



Dr. G.P. Singh, Director, Dr. Tiwari, Principal Scientist, IIWBR, Karnal and Dr. Sai Prasad, Director, IARI, Indore Visited KVK Ujjain



Farmers Visited to KVK Ujjain



Various *Asan* Practices by KVK Staff during celebration of International *Yoga* Day



Various *Asan* Practices by KVK Staff during celebration of International *Yoga* Day



DD Kisan recording of village Salakhedi



DD Kisan recording of village Salakhedi



Fertilizer Application Awareness Programme at KVK



Sh. D.K.Pandey, JDA addressing during Fertilizer Application Awareness Programme at KVK



Fertilizer Application Awareness Programme at KVK



Webcasting of Fertilizer Awareness Programme at KVK



Sh. Karan Kumariya, President, Zila Panchayat addressing Farmers on Gandhi Jayanti



Dr. Sai Prasad, Director, IARI addressing the Farmers during Jal Shakti Mela



Sh. Anil Firoziya, MP(Loksabha, Ujjain) addressing Farmers on Gandhi Jayanti and Jal Shakti



Farmers and Farm Women attended Jal Shakti Mela on 02-10-2019



Celebration of Constitution Day on 26-11-2019 at KVK, Ujjain



Celebration of Constitution Day on 26-11-2019 at KVK, Ujjain



Constitution Preamble Read by KVK Staff, Farmer and Labour



Constitution Preamble Read by KVK Staff, Farmer and Labour



Celebration of Kisan and Vigyan Diwas on 25-12-2019



Celebration of Kisan Diwas on 23-12-2019

Vigilance Awareness Week celebration at village level



Soil Health Campaign at Tarana Block on 30-5-2019





Roadside Plantation of Neem by READY Students

Distribution of Medicinal Value Plants to the farmers



Sh. H.R.Jatav, Scientist addressing the House during SAC Meeting



Harmfull Effect of Single Use Plastic demonstrated by READY Students



Harmfull Effect of Single Use Plastic demonstrated by Dr. R.Tiwari



Distribution of Medicinal Value Plants to the farmers



Members of BOM, RVSKVV, Gwalior Participated in Plantation Drive at KVK Ujjain on 3-7-2019

National Nutritional Month Celebration at KVK



National Nutritional Month Celebration at KVK



Blood Pressure, Glucose Test during Nutritional Month







Sr. Ashwini Singh, Farmer receiving Jag Jeevam Ram Farmer Innovative Award 2018 from Dr. T.Mohapatra, DG, ICAR and Secretary, DARE, New Delhi and Dr. Puniab Singh, VC, Maharani Laxmi Bai Central Agri. University, Jhansi, U.P on 16-7-2019



Ashwini Singh received "Farmer Fellow Award" at RVSKVV, Gwalior during the Celebration of 11th Establishment Day of the University



Mrs. Ghazala Khan received "Best Technical Officer 2018" Award



Dr. R.P.Sharma received appreciation Award at RVSKVV, Gwalior



Dr. R.P.Sharma Received "Krishi Seva Puraskar" at Gandhinagar, Gujarat



Dr. Rekha Tiwari received "Best Research Paper Award" at MPKV, Rahuri



Ashwini Singh received AIASA "Pragati Puraskar" at JNKVV, Jabalpur

Success Story of a Mushroom Entrepreneur

Name of the KVK	Ujjain														
TITLE	The Travelogue of Dharmendra Bagwan														
Introduction	<ul style="list-style-type: none"> • Sh. Dharmendra Singh Bagwan • Mobile- 7999001085 • Village- Chandesery • Post- Chandesra • Block- Ujjain • District- Ujjain 														
KVK intervention	<p>A. Pre and post interventions survey</p> <p>i. Pre intervention survey: Mr Dharmendra Singh Bagwan was a marginal farmer village chandesery earlier that provided limited comfort for his livelihood and he added the mushroom enterprise for additional income of agriculture. The adoption of new technologies in agriculture in his farm was low which had cascading effects on income and savings in his family. Income generation for the joint family under the conditions was difficult and exploration for alternate livelihood was discussed at family level.</p> <p>ii. Post interventions survey: Mr. Dharmendra bagwan learnt about the prospects and opportunities in mushroom cultivation in the year 2015 through farm science centre ujjain. He join the vocational training year 2015. He visits to various mushroom units during training gave him the confidence of mushroom production aspect. He added mushroom enterprise in his farm. He started, experimenting with oyester mushroom, in his farm which has been promoted by farm science centre ujjain. He successful completing two full crops in the establishment phase. He required technical backstopping in his place and the techniques were provided by the experts of the farm science centre. The cultivator was encouraged to produce the oyester mushroom through capacity building programme of the farm science centre. He had registered the online through india mart for selling and advertize of dry mushroom.</p> <p>B. Trainings: The entrepreneur vocational training join in the year 2015 in farm science centre. The details are furnished below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Title of training</th> <th style="width: 20%;">Types of training</th> <th style="width: 20%;">Period</th> <th style="width: 30%;">Place</th> </tr> </thead> <tbody> <tr> <td>Rural youth livelihood security through mushroom production techniques.</td> <td>Vocational Training</td> <td>18-22/01/2016</td> <td>KVK, Ujjain</td> </tr> </tbody> </table> <p>C. Demonstrations: Demonstrations of cultivation of oyster mushroom, milky mushroom productions exhibition during the Farmers fair programme organize by farm science centre. The details are furnished below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Date</th> <th style="width: 40%;">Name of programme</th> <th style="width: 45%;">Demonstration</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Title of training	Types of training	Period	Place	Rural youth livelihood security through mushroom production techniques.	Vocational Training	18-22/01/2016	KVK, Ujjain	Date	Name of programme	Demonstration			
Title of training	Types of training	Period	Place												
Rural youth livelihood security through mushroom production techniques.	Vocational Training	18-22/01/2016	KVK, Ujjain												
Date	Name of programme	Demonstration													

05.12.2017	World soil health day	Oyster Mushroom
28/12/2016	Kisan Sammelon	Oyster Mushroom
05.02.2016	Rabi Kisan Sammelon	Oyster Mushroom
22/03/2016	Farmers Awareness Programme	Oyster Mushroom
04/04/2016	Farmers Fair	Oyster Mushroom

D. Publicity and marketing: He has displayed his products in Farmers fair conducted by farm science centre & ATMA Ujjain every year. The KVK facilitated participation in many empowerment programmes. He created the whatsapp group for publicity of mushroom production. He has registered online India Mart for marketing of mushroom. He is selling through India Mart.

Output

1. Technical components in the enterprise: Cultivation of oyster Mushroom, and establishment of exposure unit rural facility for dissemination of mushroom technology.

- i. Raw materials Substrate for the production involving soybean straw, mushroom spawn etc in prefabricated mushroom shed of standard size as per the prescription of DMR, Solan H. P.
- ii. Process (methodology) The methodology followed for Milky, oyster and spawn production is as per the standard protocol developed by DMR, Solan H. P.

2. Cultivation techniques:

Substrates: Oyster mushroom is being cultivated on cellulosic substrates namely, Soybean & wheat straw.

A. Cultivation Chamber: Beds after preparation may be kept under normal room temperature (25-35°C) for spawn run. After completion of spawn run and after casing, the beds are to be incubated over racks in a partially sunken chamber lined with white coloured high-density polythene sheet as roofing material. Inside the chamber the temperature should be around 30-35°C and the relative humidity more than 85 per cent. Light intensity of about 1600-3200 lux is essential in the cropping room. Proper ventilation for gaseous exchange is also essential.

B. Mushroom Bed Preparation: Polythene bags of 60 x 30 cm or 75 x 45 cm size are used for mushroom bed preparation. Chaffed paddy straw bits of 3-5 cm in length are soaked in cold water for 4 hours. After draining the excess water, the straw bits are treated in hot water at about 80°C for 60 min. in a separate drum. Aerated Steam treatment of substrate at a temperature of about 80°C for 60 min. may also be followed. The chemical substrate treatment with carbendazim 75 ppm + formalin 500 ppm (soaked for 16 h) is also used for preparation of substrate.

After substrate treatment they are shade dried to remove excess moisture and used for bed preparation. At the time of bed preparation the substrate should contain around 60 per cent moisture (can be tested by squeeze method). wheat

grain spawn may be used and cylindrical beds are prepared following layer method of spawning as is generally done in case of oyster mushroom. With each bottle of spawn 2-3 cylindrical beds can be prepared. The beds are then incubated for spawn run under semi-dark condition in a clean room. Spawn run will be completed in 10-12 days.

C. Cropping: Beds after casing are kept in cultivation chambers and sprayed regularly with water to maintain 50-60 per cent moisture level in the casing medium. Pinheads appear in 8-10 days after casing and the first harvest can be made in 6-8 days after pinhead formation. After obtaining the first harvest the casing medium is gently ruffled, slightly compacted back and sprayed regularly with water. Second and third harvest may be obtained within 45-50 days of bed preparation. Then the beds are removed and fresh beds may be kept for cropping.

i. Man power involvement: 3 Nos

ii Package and handling: The dry mushroom products are packed in the food grade quality poly bags and sealed.

Outcome

Year wise mushroom production and income of entrepreneur:

S.N.	Year	Production in Kg.	Gross Return	Cost	Net Return	B:C Ratio
1.	2015-16	40	20000	8000	12000	1.5
2.	2016-17	120	60000	23000	37000	1.6
3.	2017-18	160	80000	38000	42000	1.1
4.	2018-19	400	200000	85000	115000	1.4



Success Story 2: Oilseed Success Story Kharif- 2019 Soybean Crops

Name of the KVK	Ujjain					
TITLE	A Good Return Gain on Changing of Variety					
Introduction	<p>Sh. Rameswar Sharma Village Salakhedi Panchyat-Dhandabala Block- Ghatia; Disst- Ujjain</p> <p>The soybean is the major <i>kharif</i> crop of the distt and covers area 4.53 lakh hactares out of 4.89 lakh hactares with average productivity of 8.2 qtls/ ha this year due to heavy rainfall. Farmers mentioned above has 35 years age belongs to the village Salakhedi. He educated up to 5th standard school education. The main source of income earning of family is farming. He has 5.65 ha land. He cultivating soybean crop during kharif season but harvesting of crop-harvest is not satisfactory (Ave. yield= 08-10 q/ ha).</p>					
KVK intervention	<p>Seed variety JS-2034@30 kg per acre+Seed treatment with fungicide (Thiram + Carbendazim)@ 2.5 gm/kg seed + seed Inoculating cultures namely; Rizobium culture@5ml/kg seed and PSB culture@5ml/kg seed + sowing method adopted: Raisedbed</p> <p>KVK's Scientists survey the farmer's field during May-June' 2019 and selected the field for displaying the technologies properly. Team meets the farmers and discussed regarding kharif crop productivity and their constraints for higher yield. He agreed for adopting the new technology as per KVK's suggestions. The major factor like variety, RDF, sowing method, Plant protections measures etc. considered during discussion. The facilitation of sowing machinery for Raisedbed with the help of district level Agril. Engineering Deptt.-Ujjain. The BTM of ATMA (Agril. Deptt)-Ujjain also suggested to farmers time-to-time.</p>					
Output	Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
	Farmer practices	09.60	17000	33600	16600	0.98
	Demonstration	12.10	18000	42350	24350	1.35
	% Increase	26.04				
Outcome	<p>Outcome Yield (q/ha) Demonstration : 12.10 Potential yield of variety/technology : 25-30 District average (Previous year) : 7.14 State average (Previous year) : 7.53</p>					

Impact	<ul style="list-style-type: none"> ✓ In-situ moisture conservation in soybean by FIRBs. ✓ Avoid fungal mortality due to excess water stagnation at field. ✓ Profused flowering results in more podding for higher yield. ✓ The best crop stand at field leads to higher yield ✓ Cost of cultivation reduced drastically due to FIRB technology and application of various components of IPM. ✓ Variety selected was very good due to short duration, bold seeded & high yielder ✓ Seed inoculation enhances the yield. ✓ They want to repeat the technology of Rises bed planting for higher production.
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Quality Photographs:

