ANNUAL ACTION PLAN

January 2021 to December 2021

Krishi Vigyan Kendra

Majhgawan (Satna) MP- 485331

Deendayal Research Institute

7-E, Swami Ramtirth Nagar

Rani Jhani Road

New Delhi 110 055

Contents

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.

PERIOD – January 2021 to December 2021

Summary of the activities

i. OFT and FLD

S.No.	KVK Name	Activity	Target		Achievement	
			No. of technologies to be assessed	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries
1		**OFT**				
a.		OFT- Crops (All like Horticulture, Soil Science, Plant Protection, Agronomy, Agroforestry, Plant Breeding etc)	12	130		
b.		OFT- Agriculture Engineering	0	0		
c.		OFT- Animal Science	4	51		
d.		OFT- Fisheries	0	0		
e.		OFT- Extension	2	70		
f.		OFT- Home Science	4	35		
		Activity	**Area (ha)**	**No. of farmers/ beneficiaries**	**Area (ha)**	**No. of farmers/ beneficiaries**
2		**FLD**				
a.		CFLD-Oilseed (in ha)	19	50		
b.		CFLD-Pulses (in ha)	14	38		
c.		FLD- Crop All(other than CFLD) (in ha)	20	128		
d.		FLD- Agriculture Engineering (in ha)	0	0		
e.		FLD - Animal Science (in ha for fodder/ no. of Unit/Enterprise)	3	36		
f.		FLD - Fisheries (in ha/ no. of Unit/ Enterprise)	0	0		
g.		FLD - Extension (no. of Enterprise)	1	50		
h.		FLD - Home Science (in ha/ no. of Unit/Enterprise)	4	50		

ii. Summary of other activities

S.No.	KVK Name	Activity	Target		Achievement	
			Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries
3.		**Training**				
a.		Training-Farmers and farm women	76	1520		
b.		Training-Rural youths	17	340		
c.		Training- Extension functionaries	8	160		
d.		Training- Vocational	8	160		
e.		Training- Sponsored	13	260		
f.		Extension Activities	-	10662		
		Activity	**Quantity quintal/number**	**No. of farmers/ beneficiaries**	**Quantity quintal/number**	**No. of farmers/ beneficiaries**
4.		**Seed Production and Planting Material**				
a.		Seed Production (quintal)	134.35	435		
b.		Planting material (No.)	441275	10500		
c.		Seedling Production (No.)	441275	10500		
d.		Sapling Production (No.)	3500	-		
e.		Other Bio- products (Kg)	6775	-		
f.		Livestock strains/fish fingerling (No.)	0	0		
5.		**Soil and Water sample**	**Number**	**No. of farmers/ beneficiaries**	**Number**	**No. of farmers/ beneficiaries**
a.		Soil and Water sample testing by using Mini Soil Testing Kit (**Nos.**)	1000	3000		
b.		Soil and Water sample testing by using traditional Laboratory (**Nos.**)	0	0		
c.		No. of Soil health card issued by using Mini Soil Testing Kit (**Nos.**)	1000			
d.		No. of Soil health card issued by using traditional Laboratory (**Nos.**)	1000			
e.		Rainwater Harvesting System (**Nos.**)	4	180		
6.		**SAC Meeting**				
a.		SAC Meeting (**Nos.**)	1	25		
b.		Proposed Date & No. of core/ official members				
		Other Activities				

S.No.	KVK Name	Activity	Target		Achievement	
			Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries
7.		Literature to be Developed/Published (**Nos.**)	10	Mass		
8 (a)		Convergence programmes (**Nos.**)	5	-		
8 (b)		Sponsored programmes (**Nos.**)	4	-		
9(a)		Details of KVK Crop cafeteria in Agro-technological Park **(Area in square meter)**	1000	-		
9(b)		Details of KVK Crop cafeteria in Agro-technological Park **(No. of Variety displayed)**	300	-		
10		Case study / Success Story to be developed (**Nos.**)	5	-		
11		KVK Progressive Farmers interaction **(**Nos.**)**	1	100		
12		Outreach of KVK in the District (No. of blocks, no. of villages)	8(75)	5000		
13		Technology Demonstration under Tribal Sub Plan				
14		KVK Ring	2	-		
15		Important visitors to KVK	10	-		
16		Details of Technology Week Celebrations	1(20)	8000		
17		Interventions on Drought Mitigation	10	5000		
18		Sansad Adarsh Gram	3	500		
19		DFI Village				
20		**Nutri Smart Village**				
a.		OFTs	1	10		
b.		FLDs	1	20		
c.		Trainings	5	114		
d.		Extension activities	14	422		
		Other				
21		Other Activities	01	20		

ICT Initiative (based on previous year)

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number	No. of farmers/ beneficiaries	Number	No. of farmers/ beneficiaries	
	Status of KVK Website (no of monthly updates)	-				
	Kisan Mobile Advisory (KVK-KMA)	**105**	**28000**			
	Whatsapp	**15**	**280**			
	Facebook	**25**	**255**			
	KVK Portal	**30**	**-**			
	Twitter	**10**	**58**			
	Instragram	**-**	**-**			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs

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

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category	Mobile Number	Email-id
Satna	Sr. Scientist & Head	Dr. R.S.Negi	Horticulture	Ph.D	Fruit Culture and Orchard Management	37000-67000+GP 9000	52250	01.10.2011	General		
Satna	SMS/ Scientist 1	Dr. R.P.Sharma	Animal Science	Ph.D	Animal Science	15600-39100+GP 5400	31350	13.05.1991	General		
Satna	SMS/ Scientist 2	Sh. Akhilesh Jagre	Plant Protection	M.Sc.	Plant Pathology	15600-39100+GP 5400	21000	08.02.2019	General		
Satna	SMS/ Scientist 3	Dr. Ajay Chourasiya	Agronomy	Ph.D	Natural Resource Management	15600-39100+GP 5400	21000	15.02.2019	General		
Satna	SMS/ Scientist 4	Sh. Hemraj Diwevdi	Home Science	M.Sc	Food Science	15600-39100+GP 5400	21000	15.10.2020	General		
Satna	SMS/ Scientist 5										
Satna	SMS/ Scientist 6				-	-	-	-	-		
Satna	Programme Assistant	Sh. Ashok Sharma	Soil Science	M.Sc	Soil Science	9300- 39100+ GP 4200	14330	08.10.2016	General		
Satna	Farm Manager										
Satna	Computer Programmer	Er. Harendra Kumar	Computer Science	M.Tech	Computer Science	9300-39100+ GP 4200	13500	16.10.2020	OBC		
Satna	Programme Assistant	Sh. Uttam Tripathi	AE	M.Sc	Agriculture Extension	9300- 39100+ GP 4200	13500	19.10.2020	General		
Satna	Accountant / superintendent	Sh.R.P. Pandey		M.COM		9300-39100+ GP	15210	01.06.2014	General		

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category	Mobile Number	Email-id
						4200					
Satna	Stenographer	Sh.A.K.Singh		MA, PGDCA		5200-20200+GP 2400	16980	01.12.1993	OBC		
Satna	Driver	-	-	-	-	-	-	-	-	-	-
Satna	Driver	-	-	-	-	-	-	-	-	-	-
Satna	Supporting staff, if any	Sh.V.Singh		B.A, MSC		4440-7440+GP 1300	11520	01.05.1994	General		
Satna	Supporting staff, if any	Sh.K.Pathak	Animal Science	B.A		4440-7440+GP 1300	11180	01.04.1995	General		
Satna		Sh. R. L. Baheliya	Cook	5th		4440-7440+GP 1300	11180	01.04.1996	ST		
Satna		Sh.B.G.Joshi	Horticulture	B.A		4440-7440+GP 1300	11360	25.08.1996	General		
Satna		Sh.Bansh Gopal	Watchman	Literate		4440-7440+GP 1300	10860	01.12.1993	OBC		
Satna		Smt. Rita Singh	Jr. Clerk	MA, B.Ed		5200-20200 +GP 2000	13020	07.09.1996	General		

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
Satna	Kaymore Plateau and Satpura Hills	08	703	22.85 lacs	72.26 %	5.72 lacs	273813	1.27 ha.

Basic Information of Krishi Vigyan Kendra

Name and Address of the KVK	Krishi Vigyan Kendra, Post Office-Majhgawan, Distt.-Satna(MP)485331
Name of the KVK and District	Krishi Vigyan Kendra, Satna
Name of the Host Organization	Deendayal Research Institute, 7-E Swami Ramtirth Nagar, Rani Jhansi Marg, New Delhi - 110055 e-mail-dridelhi@chitrakoot.org
Telephone No.	07670 265353, 265623
Fax No.	07670 265510
Email	info@chitrakoot.org
Website	www.chitrakoot.org
Name of the Head of the Organization with designation	Sh. Abhay Mahajan, Organizing Secretary Deendayal Research Institute-Chitrakoot, Satna (M.P.) – 485331, Ph. 07670 265353, 265623 **e-mail-drichitrakoot@chitrakoot.org**
Name of Incharge of the KVK with designation	Dr.R.S.Negi, Programme Coordinator Krishi Vigyan Kendra, Deendayal Research Institute, Majhgawan, Satna (MP) 485331.Tel No. 07670-263297, e-mail: kvksatna@rediffmail.com
Letter No. and date by which KVK was sanctioned by ICAR	No.15(22)/92-Agril.Extn.I dated January,1993
Month and year of inception of KVK	March,1993
Geographical Location of KVK	23^0 58' to 25^0 12' N Latitude & 80^0 20' to 81^0 23' E Longitude

DISTRICT PROFILE

1.	**Name of the District**	Satna
2.	**Agro ecological Sub Region (ICAR)**	Zone VII, Semi arid Lava Plateau and Central Highlands
3.	**Agro-climatic zone(Planning)**	Central Plateau and Hill region
4.	**Agro-climatic zone(Planning M.P.)**	Kaymore Plateau and Satpura Hills
5.	**Geographical Location**	
	Latitude	23^0 58' to 25^0 12' N
	Longitute	80^0 20' to 81^0 23' E
	Altitude from MSL	317 m
6.	**Geographical Boundry**	
	North	Banda & Chitrakoot District
	South	Katni
	East	Rewa District of MP
	West	Panna
7.	**Total Geographical Area**	7, 42,432 ha.

	Soil Type	Mixed red and Black soils
	Climate	Sub humid climate
	Average Annual Rainfall	1100.30 mm
	Temperature	Maximum temp. - 48.3^{0}C, Minimum temp. - 1.4^{0}C.
	Relative Humidity	Maximum Average-99.42 (January), Minimum Average - 9.22 (May)
8.	**Important Rivers**	Mandakini, Tamas, Satna,
9.	**Administrative**	
	No. of Tehsil	09
	No. of Blocks	08
	No. of Panchayats	703
	No. of Villages	1816
10.	**Average Literacy Percentage**	72.26
	Male Literacy	81.37
	Female Literacy	62.45
11.	**GDP of Satna District**	4253 Crores
12.	**Per Capita Income(INR)**	24,709

Demographical Composition -2011 Census

S.No	**Particulars**	
1.	**Total Population**	2228935
	Male	1,157,495
	Female	1,071,440
2.	**Rural population**	1754517 (78.72%)
	A. Male	907904
	B. Female	846613
3.	**Urban Population**	474418 (21.28%)
4.	**Literacy rate in Rural areas**	69.40%
	Schedule Tribe	2.68 lakhs (14.33 %)
	Schedule Caste	3.04 lakhs (16.26%)

Blocks Details

Sr.No.	Name of the Block	Area in sq km	No. of Panchayats	No. of villages
01	Majhgawan	1584	96	295
02	Sohawal	772	93	235
03	Rampur Baghelan	874	97	215
04	Nagod	919	93	244
05	Uchehra	897	70	211
06	Amarpatan	652	74	169
07	Ram Nagar	601	59	207
08	Maihar	1125	121	240
	Total	7424	703	1816

Soils of the District- Mixed red and Black soils

Sl.No.	Soil type	Characteristics	(%)
1.	Coarse Red Soils	Poor water holding capacity, Soil pH ranges from 7.0-7.5 Organic carbon 0.20- 45%, Available nutrients status shows low nitrogen, very low to low phosphorus and medium potassium. Boron and zinc micronutrients deficient soils.	21.34
2.	Mixed Red and Black soils	Medium water holding capacity and optimum drainage Soil pH ranges from 7.2 to 7.8 organic carbon 0.40 – 0.60 %, available nutrients status shows low to medium nitrogen, low to medium phosphorus and medium to high potassium, boron and zinc micronutrients deficient soils	42.43
3.	Black soils	High water holding capacity, poor drainage capacity, Soil pH ranges from 7.1 to 8.2, organic carbon 0.45-0.65%, available nutrients status shows low to medium nitrogen, low phosphorus and very high potassium and also high in calcium and magnesium, boron and zinc micronutrients deficient soils	36.23

Sources of Irrigation

S.No.	Source of Irrigation	Number	Area (,000 ha)	% of total area
01	Canals	59	5.872	
02	Tanks/Ponds	85	3.666	
03	Open wells	16765	38.075	
04	Bore wells	17288	72.111	
05	Others (Reservoirs)	951	19.104	
	Total		138.828	29 .0

Major Farming Systems

	Irrigated situation – 1. Agriculture + horticulture + dairying 2. Horticulture + agriculture + dairying 3. Agriculture + dairying Rain fed situation 1. Agriculture + dairying + Daily wages

Major Production Systems

i). Rice – Wheat, Rice – Mustard, Rice – Gram, Rice – onion
ii). Soybean - Wheat
iii) Red gram – Fallow, Fallow – wheat, Fallow – Mustard
iv). Fallow – wheat, Fallow – Gram
v). Black gram – Wheat

Major Agriculture and Allied Enterprises

1. Agriculture 2. Horticulture 3. Animal Husbandry and Dairying 4. Non-farm sector

Enterprise - Animal Husbandry and Dairying -

S.No.	Animal	Population (no.)	Production (Litre /day)
1.	Buffalo	77853	1.5 - 2.0
2.	Cow	230627	0.75 - 1..25
3.	Goat	182334	0.25 - 0.5

Land utilization Pattern

	A. Total Geographical area	7, 42,432 ha.
	B. Actual cultivable area	360768 ha
	Total sown area	4,74,228 ha
	Kharif	254493 ha
	Rabi	286157 ha
	C. Total Irrigated area	347241 ha
	D. Forest area	203659 ha
	E. Other fallow land	26200 ha
	F. Agricultural waste land	40536 ha
	Cropping Intensity	166.91 %

Distribution of Land Holdings

Category	**No.**	**(%)**	**Area in Hectares**	**(%)**
Marginal (0-1 ha)	158548	57.90	68977	19.12
Small Farmers (1-2 ha)	62378	22.78	85659	23.74
Medium Small (2-4 ha)	36141	13.20	97280	26.96
Medium (4 10 ha)	15269	5.58	86754	24.05
Big (Above 10 ha)	1477	0.54	22098	6.13
Total	273813	100.00	360768	100.00

Input Suppliers

Block	Private suppliers	Govt. Deptt.	NGOs	Farmers Societies	Total
Seed					
Sohawal	37	1	0	28	**66**
Rampur Baghelan	8	0	0	28	**36**
Majhgawan	10	0	0	10	**20**
Nagod	10	0	0	6	**16**
Uchehra	6	0	0	15	**21**
Amarpatan	15	0	0	6	**21**
Maihar	18	0	0	8	**26**
Ramnagar	9	0	0	6	**15**
Total	**104**	**1**	**0**	**101**	**221**
Pesticides					
Sohawal	25	2	0	0	**27**
Rampur Baghelan	12	2	0	0	**14**
Majhgawan	6	2	0	0	**8**
Nagod	10	2	0	0	**12**
Uchehra	4	2	0	0	**6**
Amarpatan	6	2	0	0	**8**
Maihar	15	2	0	0	**17**
Ramnagar	1	2	0	0	**3**
Total	**79**	**16**	**0**	**0**	**95**
Fertilizers					
Sohawal	46	4	0	32	**82**
Rampur Baghelan	29	2	1	40	**72**
Majhgawan	37	0	0	0	**37**
Nagod	63	0	0	0	**63**
Uchehra	32	0	0	0	**32**
Amarpatan	41	0	0	0	**41**
Maihar	64	0	0	0	**64**
Ramnagar	55	4	0	32	**91**
Total	**367**	**10**	**01**	**104**	**482**

Fertilizers Consumption in Satna District (2010-11) Metric tons

Sr.No.	Name of Fertilizer	Kharif	Rabi
1	Urea	6140	19824
2	DAP	14351	15241
3	NPK (12:32:16)	0	664
4	SSP	294	203
5	MOP	133	370
	Others		
6	26:26	20	110
7	16:20	572	317
8	20:20	1900	1799
9	15:15:10	270	488
10	10:26:26	25	1013

Seed Replacement Rate (SRR) in Satna District (2010-11)

Sr.No.	Crop	Seed Replacement Rate(SRR) 2010-11
	Kharif	
	Cereals	
1	Paddy	16.60
2	Maize	6.50
3	Jowar	8.50
	Pulses	
4	Black gram	5.16
5	Green gram	3.45
6	Red gram	4.43
	Oilseeds	
7.	Soybean	25.58
8.	Sesame	8.00
	Rabi	
	Cereals	
9.	Wheat	10.67
	Pulses	
10	Chickpea	7.21
11	Pea	2.36
12	Lentil	4.15
	Oilseeds	
13	Mustard	25.0
14.	Linseed	0.20

- **Source Agriculture Department ,2010-11**

Area covered under Different crops (2015-16)

S.No.	Principal Crops	Area (in ha)	Productivity (kg/ha)
1	**Cereals**		
	Kharif		
	Paddy	110000	38.67
	Sorghum	3200	9.82
	Bajra	50	5.6
	Maize	2500	7.3
	Sanwa	66	3.3
	Kodon/kutki	1100	7.35
	Rabi	**116916**	
	Wheat irrigated	104942	26.9
	Wheat un irrigated	41000	24.5
	Barley	7613	23.8
	Total	**153555**	
	Total (Kharif + Rabi)	**270471**	
	Total	**279994**	
2	**Oilseeds**		
	Kharif		
	Soybean	70000	4.86
	Sesame	10000	4.45
	Total	**80000**	
	Rabi		
	Linseed	2200	6.6
	Mustard	3444	6.8
	Total	**5644**	
	Total (Kharif + Rabi)	**85644**	
3	**Pulses**		
	Kharif		
	Blackgram	35000	
	Moongbean	6000	
	Red gram	4000	
	Total	**45000**	
	Others	6050	450
	Total	**205785**	
4	**Sugarcane**	**259**	
5	**Horticultural crops**		
	Fruits		
	Mango	957.5	79.5
	Guava	481.5	106.2
	Karonda	45.1	46.5

	Jackfruit	71.5	81
	Jamun	58.5	30.6
	Aonla	782.5	90.4
	Lemon	205	66.2
	Papaya	447.3	175.2
	Water Chestnut	49	33.1
	Others	636	30.8
	Total	**3733.9**	
	Vegetables		
	Potato	2917	191.3
	Brinjal	1512	17.9
	Tomato	2719	159.5
	Peas	1483	81.67
	Cauliflower	1194	197.2
	Cabbage	793	211.3
	Bhindi	473	81.04
	Arbi	195.5	187.2
	Zimikand	63	147.2
	Bottle gourd	1256	211.8
	Pumpkin	431	234.1
	Cucumber	487.5	136.4
	Parwal	27.5	78.5
	Capsicum	33.4	73.8
	Bittergourd	2765	68.37
	Onion	7417	183.1
	Others(radish, spinach, methi, lal bhaji, carrot, turnip etc	706	113.5
	Total	**24472.9**	
	Spices		
	Coriander	583	8.93
	Turmeric	192	148.4
	Zinger	398	82.12
	Chillies	2984	82.13
	Fenugreek	161.5	17.82
	Garlic	859	69.31

	Others	134	8.89
	Total	**5311.5**	
	Flowers		132.3
	Marigold	45.6	80.7
	Rajnigandha	12.4	115.4
	Gladioulus	28.5	87.5
	Roses	79.5	45.3
	others	56	132.3
	Total	**222**	
	Chandersur	23.7	
	Aswaganda	16.4	
	Satawar	4	
	Safed musli	5.8	
	Kalmegh	3.7	
	Alovera	19	
	others	63.7	
	Total	**136.3**	
6	Fibre crops	84	
7	Green fodder	59	

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)
Satna	Shahpur	2020	Majhgawan	32	732	99
Satna	Barha-Nougawan	2020	Majhgawan	22	482	71
Satna	Gujuwa- Saleha	2020	Majhgawan	29	1326	132

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
Satna	Enhancing the productivity and profitability of farming
Satna	Water Conservation and Management
Satna	Seed replacement- use of high yielding varieties tolerant to biotic and abiotic factors
Satna	Promotion of Integrated farming system
Satna	Crop Diversification
Satna	Frost and Drought management
Satna	Promotion of Horticultural crops

Satna	Utilization of Kharif and Rabi fallow lands
Satna	Livestock up gradation and Management
Satna	Employment generation for rural youths through agri. enterprises
Satna	Strengthening of marketing network
Satna	**Crop production**
Satna	Seed replacement- use of high yielding tolerant to biotic and abiotic factors
Satna	Seed treatment
Satna	Sowing technique
Satna	Direct seeding in paddy
Satna	Alternate cropping system
Satna	Promotion of Integrated farming system
Satna	Seed production through group approach
Satna	Water Management in wheat
Satna	Frost and Drought management
Satna	Rain water harvesting for recycling and ground water recharge
Satna	In-situ moisture conservation through better agronomic practices
Satna	Weed Management in Kharif crops (Rice, Blackgram, Redgram and Soybean)
Satna	Nutrient management in Kharif crops (Rice, soybean , sesame, mustard, blackgram, and redgram)
Satna	Nutrient management in Rabi crops (Wheat, mustard, lentil and gram
Satna	Drudgery reduction - Use of improved agriculture implements and tools
Satna	Wilt and Pod borer management in gram and redgram
Satna	Safe seed and grain storage
Satna	Diversification of crops
	Horticulture
Satna	Promotion of Horticultural crops
Satna	Improved varieties of vegetables and spices
Satna	Nursery Management in vegetables and fruit plants
Satna	Layout and planting technique in horticultural crops
Satna	Nutrients Management in onion
Satna	Wasteland Development through fruit culture
Satna	Disease and insect pest management in onion
Satna	Disease and insect pest management in cucurbits
Satna	Disease and insect pest management in tomato & chillies
Satna	Management of early shoot and fruit borer in tomato and brinjal
Satna	Protective cultivation
Satna	Water saving methods- use of sprinkler and drip irrigation
	Livestock
Satna	Livestock up gradation
Satna	Improvement of fat and milk production in cows
Satna	Introduction of new breeds in goat and poultry
Satna	Management of disease in cows and buffaloes

Satna	Control measures for ecto and endo parasites in cattle
	Extension
Satna	Strengthening of marketing network
Satna	Timely inputs, services and advisory to the farming community
Satna	Promotion of group organization
Satna	Linkage development
Satna	Employment generation for rural youths

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Satna	**Low productivity of Rice due to** • Use of long duration varieties • Imbalance use of fertilizers • Heavy weed infestation • High incidence of gundhi bug , leaf folder, hopper, blast • Moisture stress during crop growth period	PRA technique, Rapid Rural Appraisal (RRA) technique, Focal group discussion(FGD), conducted meeting of the villagers, semi-structured interview schedule the problems, issues and needs were also assessed through POINT techniques. The gaps in adoption of technologies have been analyzed through farming situation based extension (FSBE) tools	Shahpur, Saleha, Nougawan (Majhgawan)
Satna	**Low productivity of Onion due to** • Unavailability of quality seed • Imbalance use of fertilizers • Incidence of Stemphylium blight, purple blotch and thrips	PRA technique, Rapid Rural Appraisal (RRA) technique, Focal group discussion(FGD), conducted meeting of the villagers, semi-structured interview schedule the problems, issues and needs were also assessed through POINT techniques. The gaps in adoption of technologies have been analyzed through farming situation based extension (FSBE) tools	Shahpur, Saleha, Nougawan (Majhgawan)
Satna	**Low productivity of Tomato due to** • Unavailability of quality seed • Poor agronomic practices • TLCV disease • Early blight and fruit borer		
Satna	**Low productivity of Cauliflower due to** • Unavailability of quality seed • Imbalance use of Nutrients		
Satna	**Poor horticultural development due to** • Lack of commercial fruit orchard • Lack of quality planting material		

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/m2
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m^2
	No of Panicles/m^2
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)

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

2.1 Information about OFT:
2.1.1 : Agronomy

Title of on-farm trial:	Assessment of Rice- Mustard & Rice- Chickpea through conservation agricultural practices under Rice-Fallow cropping system
Year/Season:	**Kharif 2021 and Rabi 2021-22**
Farming situation:	Rainfed/ restricted irrigation
Problem diagnosis:	Rice – Fallow land due to growing of longer duration variety of Rice by farmers affect timely sowing of rabi crop and land remains fallow due to inadequate moisture in field along with terminal heat stresses (about 14000 ha area)
Thematic area:	Cropping System
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-	Rice (variety with maturity above 125 days) in kharif- Rabi fallow
T2 –Recommended Practice-	Rice(MTU-1010)-Mustard(Pusa Mustard 28)
T3- Recommended Practice-	Rice(MTU-1010)-Chickpea(RVG-202)
Date of sowing:	
Date of harvesting:	
Source of technology:	**APRRI, Hyderabad (2010), IARI (2013)**
Characteristics of technology:	Direct seeding of short duration variety of Rice(MTU 1010) followed by zero tillage sowing of Mustard and Chickpea by utilizing the residual soil moisture of rice field JG 12- It is an early, brown and medium seed, semi spreading profuse branching, suitable for both irrigated and rain fed conditions of MP Pusa Mustard 28- It possesses high temperature tolerance at seedling and grain filling stage. It fits well in multiple cropping system. It's per day productivity is as very high (18.63 kg/day/ha) in comparison to all released varieties. Its seeds contain 41.5% oil. Being tolerant to high temperature, it is suitable for early sowing
Name of Crop/Enterprises:	Rice, mustard and chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Rice Equivalent yield(kg/ha), System productivity, system profitability, Net returns, B:C ratio				

2.1.2: Agronomy

Title of on-farm trial:	Assessment of small millets based cropping system by utilizing kharif fallow and wastelands
Year/Season:	**Kharif 2021 and Rabi 2021-22**
Farming situation:	Rain fed
Problem diagnosis:	Higher percentage of kharif fallow lands in the district due to marginal soil fertility and moisture conditions (86314 ha)
Thematic area:	Resource management
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-	Kharif Fallow lands / Wastelands
T2 –Recommended Practice-	Kodon millet(DPS 9-1)- Linseed (JLS 66)
T3- Recommended Practice-	Finger millet (Indira Ragi 1)- Linseed (JLS 66)
Date of sowing:	
Date of harvesting:	
Source of technology:	TNAU (2012), JNKVV (2012) & IGKV (2012)
Characteristics of technology:	Millets are hardy and grow well in rain-fed areas under marginal conditions of soil fertility and moisture. Unlike other crops, millets require many less inputs in terms of fertilizer and water. Millets are highly nutritious, non-glutinous and rich in fibre, they are easy to digest Kodon millet (TNAU 86) - It matures in 95-110 days, Non-lodging, milling recovery (52-53%) Yield potential is 27-30 q/ha Finger millet (Indira Ragi 1) - Suitable for upland rainfed, situations, lodging and shattering resistance, Potential yield is 25-26 q/ha. Linseed (JLS 66) It matures in 107-114 days, short in height with white flowers and seed are light brown in colour. Moderately resistant to powdery mildew, alternaria blight, rust and major insect pests. Oil content 40.5% and yield potential is 22 q ha-1.
Name of Crop/Enterprises:	Kodo millet, Finger millet
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Plant height (cm), tillers/plant, ear heads/plant, Seed yield q/ha, B:C ratio				

2.1.3 : Agronomy

Title of on-farm trial:	Assessment of efficacy of microbial culture(Jeevamrit) preparations on growth and yield attributing characteristics of Blackgram
Year/Season:	**Kharif 2021**
Farming situation:	Irrigated
Problem diagnosis:	Indiscriminate use of inorganic fertilizers has brought threat to soil health in respect of physical, chemical and biological properties of soil. Therefore, it is necessary to minimize the usage of inorganic fertilizers by substituting with organics
Thematic area:	Organic
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-	Recommended dose of fertilizer NPK @ 20:50:60 Kg/ha
T2 –Recommended Practice-	Seed treatment with Beejamrit @ 20 ml/kg seed & Soil Application of Jeevamrit @ 250 kg/ha + foliar application of liquid jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT.
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	University of Agricultural Sciences, Karnataka(2018)
Characteristics of technology:	Organic – based fermented fertilizers favour plant growth and regulation and adaptability to the surrounding environments in terms of yield and quality parameters in addition to enhanced tolerance to biotic and abiotic stresses.
Name of Crop/Enterprises:	Blackgram
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Plant height (cm), no. of branches/plant, no. of pods/plant, 1000 seed weight(g) seed yield((kg/ha), Net returns(Rs/ha), B:C ratio				

2.1.4 : Agronomy

Title of on-farm trial:	Assessment of improved bread wheat varieties (HI 1605 and HI 1612) under restricted irrigated condition in rice-wheat cropping sequence
Year/Season:	**Rabi 2021-22**
Farming situation:	Rainfed/ restricted irrigation
Problem diagnosis:	Low yield of Lok-1 under limited irrigation condition
Thematic area:	**Varietal 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-	Farmers generally grow Lok-1 wheat variety
T2 –Recommended Practice-	HI 1605 (Semi dwarf, resistance to black and brown rust, grains bold and bread wheat, yield 30-44 q/ha)
T3- Recommended Practice-	HI 1612 (Semi dwarf, resistance to yellow and brown rust, grain bold and bread wheat yield 37-55 q/ ha)
Date of sowing:	
Date of harvesting:	
Source of technology:	IARI-RS, Indore (2016 & 2018)
Characteristics of technology:	HI 1605 (Semi dwarf, resistance to black and brown rust, grains bold and excellent chapatti, high protein (~13%) , rich in micro-nutrients iron (43 ppm) and zinc (35 ppm) and yield 30-44 q/ha) HI 1612 (Semi dwarf, resistance to yellow and brown rust, grain bold and bread wheat yield 37-55 q/ ha)
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Plant height (cm), tillers/plant, ear heads/plant, Seed yield q/ha, B:C ratio				

2.1.5 : Horticulture

Title of on-farm trial:	Assessment of liquid organic manure (Jeevamrit) on growth and yield of Tomato.
Year/Season:	Rabi- 2021-22
Farming situation:	Irrigated
Problem diagnosis:	The cost of inorganic fertilizers is increasing enormously to the extent that they are out of reach of small and marginal farmers.
Thematic area:	Integrated nutrient management
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-	Recommended dose of fertilizer NPK @ 120:80:60 Kg/ha
T2 –Recommended Practice-	Foliar application of Jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT
T3- Recommended Practice-	Recommended dose of fertilizer NPK @ 120:80:60 Kg/ha + Foliar application of Jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT.
Date of sowing:	
Date of harvesting:	
Source of technology:	ITM university, Gwalior(2019)
Characteristics of technology:	Microbial preparation Jeevamrit promotes immense biological activity in soil and enhances nutrient availability and uptake by the crop besides improving soil health. Being rich in nutrients, auxins, gibberellins, and microbial load, acts as a tonic to in rich soil induced plant vigour with quality production. Application of Bio enhancer improves the production, productivity and quality of fruits.
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Plant height(cm), no. of branches/plant, no. of flowers/plant, no. of fruits /plant, fruit size(cm2), av. Fruit weight(g0 fruit yiel)(kg/ha), days to first flower initiation, days to fruit setting after flowering, days to first harvest after flowering, Net returns(Rs/ha), B:C ratio.				

2.1.6 : Horticulture

Title of on-farm trial:	Assessment of vegetable intercropping (Cabbage +Pea, Cabbage+ Fenugreek) for ensuring higher returns under Okra- Cabbage- Onion cropping sequence.
Year/Season:	Rabi-2021-22
Farming situation:	Irrigated
Problem diagnosis:	Low returns due to market price fluctuations.
Thematic area:	Crop Diversification and intensification
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-	Sole crop of Cabbage (60 X 60 cm)
T2 –Recommended Practice-	Cabbage+ Pea(1:1)
T3- Recommended Practice-	Cabbage + fenugreek(1:1)
Date of sowing:	
Date of harvesting:	
Source of technology:	IIVR, Varanasi(2016)
Characteristics of technology:	Intercropping of leguminous crop (pea and fenugreek) with cabbage spaced at 60x 60 cm will improve the productivity of cabbage and profitability of farming and minimize the risk due to adverse climatic conditions and market price fluctuation.
Name of Crop/Enterprises:	Cabbage
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Yield of Cabbage Main crop Equivalent Yield of different intercrop, Increase in yield(q/ha) Increase in income/ha, Net return, Benefit cost ratio.				

2.1.7 : Horticulture

Title of on-farm trial:	Assessment of organic fertilizers (Jeevamrit) on growth and yield of Potato.
Year/Season:	Rabi 2021-22
Farming situation:	Irrigated
Problem diagnosis:	Indiscriminate use of inorganic fertilizers has brought threat to soil health in respect of physical, chemical and biological properties of soil. Therefore, it is necessary to minimize the usage of inorganic fertilizers by substituting with organics
Thematic area:	
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-	Recommended dose of fertilizer NPK @ 120:80:60 Kg/ha
T2 –Recommended Practice-	Seed treatment with Beejamrit @ 20 ml/kg seed & soil application of Jeevamrit @ 250 kg/ha + foliar application of liquid jeevamrit @ 30ml/litre of water at 15 days interval after 15 DAT.
T3- Recommended Practice-	--
Date of sowing:	
Date of harvesting:	
Source of technology:	University of Agricultural Sciences, Karnataka(2018)
Characteristics of technology:	Organic – based fermented fertilizers favour plant growth and regulation and adaptability to the surrounding environments in terms of yield and quality parameters in addition to enhanced tolerance to biotic and abiotic stresses.
Name of Crop/Enterprises:	Potato
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Plant height(cm), no. of branches/plant, no. of tubers/plant, tuber size(cm2), av. tuber weight(g) tuber yield((kg/ha), Net returns(Rs/ha), B:C ratio.				

2.1.8 : Plant Protection

Title of on-farm trial:	**Assessment of efficacy of *Brahmastra* bio pesticide against sucking pest in Okra**
Year/Season:	Kharif 2021
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop up to 30% yield due to severe infestation of sucking pests(White fly, Jassids and Mites)
Thematic area:	Integrated pest management
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-	Spray of systemic insecticides after the pest infestation
T2 –Recommended Practice-	Application of Neemastra&Bramastra biopesticide @ 10 % at 25,40 and 60 DAS
T3- Recommended Practice-	Application of Neemastra&Brahmastra biopesticide @ 20 % at 25,40 and 60 DAS
Date of sowing:	
Date of harvesting:	
Source of technology:	Tamil Nadu Agricultural university, Coimbatore(2017)
Characteristics of technology:	Spraying of Brahmastra @ 20 % effectively check whitefly, mite, jassids and fruit borer in okra up to seventh day after application. Bio-pesticide application which are effective and biodegradable and do not leave any harmful effect on environment.
Name of Crop/Enterprises:	Okra
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
No. of sucking pests/ three terminal leaves, Yield/(Kg/ ha.), Cost of cultivation (Rs./ha), Net Income and B:C ratio				

2.1.9 : Plant Protection

Title of on-farm trial:	**Assessment of efficacy of bio pesticide against BPH, stem borer, leaf folder and gundhibug pest in Rice**
Year/Season:	Kharif 2021
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop yield due to different pests of rice up to 25-30 %. Several insecticides recommended for management of stem borer, leaf folder, brown plant hopper are showing resistance to insecticide
Thematic area:	Integrated pest management
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-	Spray of Thiomethoxam 10 % G insecticides after the pests infestation
T2 –Recommended Practice-	Application of Agniastra biopesticide @ 6 % at 35 and 45 DAS.
T3- Recommended Practice-	Application of Neemastra biopesticide @ 6 % at 35 and 45 DAS.
Date of sowing:	
Date of harvesting:	University of Agriculture Sciences, Karnatka(2014)
Source of technology:	**APRRI, Hyderabad (2010), IARI (2013)**
Characteristics of technology:	Spraying of Neemastra@ 6 % very effectively check BPH, stem borer, leaf folder and gundhibug up to seventh day after application. Biopesticide application which are effective and biodegradable and do not leave any harmful effect on
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
No. of insect pests per hill, Grain yield/ ha. Net Income (Rs.) and B:C ratio.				

2.1.10 : Plant Protection

Title of on-farm trial:	**Assessment of *Trichoderma species*** in **management of Rice false smut.**
Year/Season:	Kharif 2021
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop yield up to 20-25 % due to false smut in rice
Thematic area:	Integrated Disease management
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-	Seed treatment with(Carbendazim + Mancozeb)
T2 –Recommended Practice-	Seed treatment with *trichodermaharzianum* @ 5 gram / kg seed
T3- Recommended Practice-	Seed treatment with pseudomonas fluorescens @ 5 g /kg seed and foliar application of pseudomonas fluorescens @ 0.5 % at before flowering stage.
Date of sowing:	
Date of harvesting:	
Source of technology:	Tamilnadu Agriculture University(2016)
Characteristics of technology:	Seed inoculation with Trichoderma is reported to inhibit the growth of *Ustilaginoidea virens.*
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Disease Incidence per m^2, Yield (kg/ha). Net Returns(Rs./ha), B:C ratio.				

2.1.11 : Plant Protection

Title of on-farm trial:	**Assessment of integrated module of *Fusarium* wilt management in chickpea**
Year/Season:	Rabi 2021-22
Farming situation:	Partial irrigated condition
Problem diagnosis:	Yield loss up to 40% due to severe infestation of wilt
Thematic area:	Integrated disease management
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-	Seed treatment with Carbendezim + Mancozeb
T2 –Recommended Practice-	Integrated module- Deep ploughing + Soil application of Trichoderma virde @ 4 kg/ha + Seed treatment(FIR)+ Intercropping (Chickpea+ Coriander , 10:1or 2) and Marigold planting around the border + need based foliar application of Tebuconazol @ 625 ml/ha at 25 and 45 DAS
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	JNKVV, Jabalpur(2015)
Characteristics of technology:	Integrated module of wilt management is more effective in managing *Fusarium* wilt
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Disease incidence/sqm, No. of branches/plant, No. of pods/plant, yield(kg/ha), net returns(Rs/ha), B:C ratio				

2.1.12 : Plant Protection

Title of on-farm trial:	**Assessment of integrated module of late blight management in tomato crop.**
Year/Season:	Rabi-2021-22
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop yield up to 40-45 % due to late blight in tomato in vegetable crop.
Thematic area:	Integrated disease management
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-	Foliar application of Carbendazim +Mancozeb @0.2 %
T2 –Recommended Practice-	Soil application of Trichoderma viride and Pseudomonas fluorescens @ 4 kg /ha. at 15 days before transplanting followed by prophylactic spray of fungicides viz., Metalaxyl + Mancozeb 72% (0.2%), sprayed at regular intervals of ten, twenty and thirty days.
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	Department of Plant Pathology, University of Agricultural Sciences, G.K.V.K., BENGALURU (KARNATAKA) 2017.
Characteristics of technology:	Soil application of Trichoderma viride and Pseudomonas fluorescens @ 4 kg /ha. at 15 days before transplanting followed by prophylactic spray of fungicides viz., Metalaxyl + Mancozeb 72% (0.2%), sprayed at regular intervals of ten, twenty and thirty days of disease severity was found very effective in managing the disease
Name of Crop/Enterprises:	Tomato
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Disease incidence/sqm, No. of healthy fruit / plant, yield(kg/ha.), cost of cultivation (Rs/ha), net returns(Rs/ha), B:C ratio				

2.1.13: Animal Science

Title of on-farm trial:	Assessment of Palas (*Butea monosperma)* seeds as an anthelmintic in buffalo calves.
Year/Season:	Kharif, 2021
Farming situation:	Semi grazing.
Problem diagnosis:	Poor Vetenary Services and lack of awareness in farming community and resulting in to poor body weight gain and height and mortality (up to 30 %) rate in calve due to the intestinal parasites.
Thematic area:	Animal Disease management
No of trials:	16
No. of farmers involved	16
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No medication due to poor availability of vet. Services and lack of knowledge.
T2 –Recommended Practice-	*Butea monosperma* (Palas) seed's powder 10 gm orally with water O.D. for 10 days to treat parasitic infestation at the age of one month.
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	College of Vet. Sci. and Animal Husbandry , Junagadh (Gujarat) (Year 2017)
Characteristics of technology:	Anthelmintics property, cheaper and easily available.
Name of Crop/Enterprises:	Dairy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Increased body weight gain at 90 days of age , success rate of treatment, reduction of mortality rate (%), and B: C ratio				

2.1.14 : Animal Science

Title of on-farm trial:	Evaluation of poultry breed-Kadaknath
Year/Season:	2021
Farming situation:	Semi Scavenging
Problem diagnosis:	Poor performance due the unavailability of quality poultry bird
Thematic area:	Poultry farming
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Evaluation
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Local poultry birds
T2 –Recommended Practice-	Kadaknath
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	ICAR-DPR, Hyderabad
Source of technology:	Collage of Vet. Sci. and Animal Husbandry , Junagadh (Gujarat) (Year 2017)
Characteristics of technology:	Anthelmintics Property, cheaper and easily available.
Name of Crop/Enterprises:	Dairy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Body Weight gain at 90 days of age, eggs productivity (during six moth to one year of age) and Mortality percent up to 12 months of age, B: C ratio				

2.1.15 : Animal Science

Title of on-farm trial:	Assessment of temporary night shelter for backyard poultry
Year/Season:	2021
Farming situation:	Semi scavenging
Problem diagnosis:	Birds damage from predators, high mortality due to poor ventilation, uncontrolled temperature and unhygienic conditions in traditional way of rearing.
Thematic area:	Poultry farming
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-	Improper housing
T2 –Recommended Practice-	Temporary night shelter for backyard poultry
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	ICAR-DPR, Hyderabad
Characteristics of technology:	Safe, secured and low cost portable hosing for poultry shed for poultry to be constructed by iron and net by which sufficient space (3 square feet/bird), ventilation will be available. It is the safeguard from all type of predators and availability of hygienic conditions
Name of Crop/Enterprises:	Poultry
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Body Weight gain at 90 days of age, eggs productivity (during six moth to one year of age) and Mortality percent up to 12 months of age, B: C ratio				

2.1.16 : Animal Science

Title of on-farm trial:	Assessment of Combination of flower juice and powdered seeds of *Cassia tora* *Cassia tora (Sanay) for* treatment of diarrhoeic goats.
Year/Season:	2021
Farming situation:	Grazing
Problem diagnosis:	Poor body weight gain and high mortality (up to 25 %).
Thematic area:	Animal Disease management
No of trials:	15
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No medication due to poor availability of vet. Services and lack of knowledge.
T2 –Recommended Practice-	Combination of flower juice and powdered seeds of *Cassia tora (*3 gm powder and 15 ml of flower juice orally b.i.d.)
T3- Recommended Practice-	-
Date of sowing:	
Date of harvesting:	
Source of technology:	Department of Veterinary Clinical Medicine , Nagpur Veterinary College, Nagpur (2018)
Characteristics of technology:	Diarrhoeic, cheaper and easily available.
Name of Crop/Enterprises:	Goatery.
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**
Body weight gain ,success rate of diarrhoea cure ,mortality rate, and B: C ratio				

2.2. Information about Extension OFT:

2.2.1 : Agriculture Extension

Title	Assessment of farmer's motivation towards participation in Extension Activity like Kisan Gosthi, Group Meetings, Sammelan programmer by using Public Addressing System audio devices.
Season & Year	Kharif+Rabi 2021-22
Problem identified	Less motivation towards participation and attention in off campus training programmes among farmers
Thematic Area	Information Communication Technology
Farming situation	
Name of Technology Intervention under study	Assessment of farmer's motivation towards participation in Extension Activity.
Farmers Practice	Voluntarily participation of farmers during trainings programme
	Audio aid portable public addressing system
No. of replication (Farmers)	**20**

Results / findings

Performance indicators/ parameters	Unit/ details
Per cent increase/decrease in participation of Farmers	
Increase/decrease time taking by farmers to assemble at training spot	
Change in attitude of farmers towards Public Addressing System (PAS) in off campus KVK training programmes	
Farmers feedback	

2.2.2

Title	Assessment of adoption of Soil Health Card based fertilizer application.
Season & Year	Kharif+Rabi 2021-22
Problem identified	Poor adoption of Soil Health Cards based fertilizer application.
Thematic Area	Capacity building (CBD)
Farming situation	
Name of Technology Intervention under study	Assessment
Farmers Practice	To find out adoption of Soil Health Card based fertilizer application by farmers and constraints faced in adoption of SGC based fertilizer use.
No. of replication (Farmers)	50

Results / findings

Performance indicators/ parameters	Unit/ details
1. Cost of cultivation 2. Increment of yield 3. Family size 4. Social Participation 5. Extension Participation 6. Land holding 7. Impact of use of Soil health Card 8. Farmer's feedback.	

2.3. Information about Home Science OFT:

2.3.1: Home Science

Title of on-farm trial:	Assessment of value addition of aonla on tribal farm family income
Year/Season:	Rabi ,2021-22
Problem diagnosis:	Poor socio economic condition of tribal farm families dependent on forest produce
Thematic area: (Focus area in DFI and nutri smart initiatives)	Income generation
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Collection and selling of fresh aonla fruit in the market
T2 –Recommended Practice-	Selling of dried aonla (Amlethi) in the market
T3- Recommended Practice-	Selling of Aonla powder in the market
Source of technology:	CISH, Lucknow,2018
Characteristics of technology:	Technology comprises of washing, cleaning and boiling of aonla for 10 minutes, followed by removal of stones and drying of aonla flakes in sun for 2-3 days and grinding the dried flakes into powder
Name of Crop/Enterprises:	Aonla
Farming situation:	Rain fed
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3.2 : Home Science

Title of on-farm trial:	Assessment of green leafy vegetable with multigrain flour chapati for improvement of haemoglobin levels in farmwomen
Year/Season:	Kharif 2021
Problem diagnosis:	High anemic patient in district
Thematic area: (Focus area in DFI and nutri smart initiatives)	Nutritional Security
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Wheat flour chapati
T2 –Recommended Practice-	Wheat+ soy flour + makki atta (1:1:1) + seasonal green leafy vegetable
T3 –Recommended Practice-	Wheat + makki atta+ besan (1:1:1) + seasonal green leafy vegetable
Source of technology:	KVK Jalandhar (2016)
Characteristics of technology:	Chopped Green leafy vegetables like amaranth leaves (chaulai), fenugreek (methi), spinach (palak), coriander (leafy coriander), mint leaves (pudhina), spring onion leaves (pyaaz) can be added to the whole wheat flour while kneading and rolled out as green rotis. This will enhance nutrients like iron, vitamin C, beta carotene (form of vitamin A in vegetarian sources), potassium and many other important minerals.
Name of Crop/Enterprises:	Green leafy vegetables and cereals
Farming situation:	Rain fed
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3.3: Home Science

Title of on-farm trial:	Assessment of Acceptability of value added products from oyster mushroom
Year/Season:	Rabi 2021-22
Problem diagnosis:	Low protein diet
Thematic area: (Focus area in DFI and nutri smart initiatives)	Value addition
No of trials:	10
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Low use of mushroom
T2 –Recommended Practice-	Oyster mushroom Powder
Source of technology:	ICAR-National Research Centre for Mushroom , Solan,2008
Characteristics of technology:	Produced oyster mushroom dried in the solar-drier. Mushrooms has to be dried at a temperature of 45 °C for 2 days. Followed by grinding to prepare quality mushroom powder
Name of Crop/Enterprises:	Mushroom powder
Farming situation:	Irrigation
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3.4

Title of on-farm trial:	Assessment of Drudgery Reduction in Potato Chips
Year/Season:	Rabi 2021-22
Problem diagnosis:	Low efficiency and less value addition
Thematic area: (Focus area in DFI and nutri smart initiatives)	Drudgery Reduction
No of trials:	5
No. of farmers/farm women involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Hand Slicing and dicing

T2 –Recommended Practice-	Improved Potato slicing machine
Source of technology:	ICAR-CIAE Bhopal (2016)
Characteristics of technology:	Potato Chips
Name of Crop/Enterprises:	Mushroom powder
Farming situation:	Rain fed
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

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

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T_1(Farmers Practices)							
T_2 (Recommended Practices)							
T_3(Recommended Practices							

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

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

Name of Enterprise : - Value addition of Aonla

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)	Selling of fresh fruit in the market					
T_2 (Recommended Practices)	Selling of dried aonla (Amlethi) in the market					
T_3(Recommended Practices)	Selling of Aonla powder in the market					

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

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T_1(Farmers Practices)						
T_2 (Recommended Practices)						
T_3(Recommended Practices						

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

Name of Enterprise /product: -

Detail of Technology	Name of Product /enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T_1(Farmers Practices)									
T_2 (Recommended Practices)									
T_3(Recommended Practices									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2021 to Dec-2021

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
Satna	2021	Kharif	Integrated Crop Management	Demonstration on direct seeding technology in Rice under rice-wheat cropping system	Cereals	Rice	JRB-1/MTU 1010	Rain fed		5								
Satna	2021	Kharif	Integrated Crop Management	Demonstration of raised bed sowing technique in Blackgram	Pulses	Black gram	Pratap Urd 1/PU 40	Rain fed		**5**								
Satna	2021	Kharif	Integrated Crop Management	Demonstration on ICM of Sesame under upland shallow soil conditions	Oilseed	Sesame	TKG 21 /TKG 308	Rain fed		**5**								
Satna	2021-22	Rabi	Varietal Evaluation	Demonstration of Zero tillage technology of wheat under semi-irrigated condition in rice-wheat cropping sequence	Cereals	Varietal Evaluation	JW 3288	Semi irrigated		5								
Satna	2020-21	Rabi	Climate Resilient Technology	Demonstration of late sown variety (RVG 202) in rice-chickpea cropping system	Pulses	Chick pea	RVG 202	Semi irrigated		5								
Satna	2021-22	Rabi	ICM	Demonstration on irrigation scheduling and nipping management in mustard (Giriraj) for higher yield and economic returns	Oilseeds	Mustard	Giriraj	Semi irrigated		10								
Satna	2021	Kharif	Integrated Crop	Demonstration of high yielding tomato variety	Vegetables	Tomato	Kashi Aman	Irrigated		1								

			Management	Kashi Aman on raised bed, plastic mulching and stacking under Cowpea-tomato-onion cropping system for marginal farmers														
Satna	2020-21	Kharif	Crop Diversification and intensification	Demonstration of vegetable intercropping (Brinjal +Coriander) for ensuring higher returns and minimizing loss due to shoot and fruit borer under brinjal – onion cropping sequence.	Vegetables	Brinjal and Coriender	Brinjal (Kashi Taru) , Coriender (Pant Haritima)	Rainfed		2								
Satna	2021-22	Kharif	Crop Diversification- inclusion of high valued crops	Demonstration of production technology of Cauliflower during rainy season for ensuring higher income to small landholders farmers.	Vegetables	Cauliflower	Deepa/ Barkha	Irrigated		2								
Satna	2020	Rabi	Nutrient Management	Demonstration of foliar application of water soluble fertilizers NPK (18:18:18) and micronutrients Zn and Boron on yield and quality of tomato.	Vegetables	Tomato	Kashi Aman	Irrigated		1								
Satna	2021	Kharif	IDM	Demonstration of Carboxin 37.5% + Thirum 37.5%) for Seed treatment and foliar spray of Pyraclostrobin 10CS for the control of Blast Disease in Rice	Cereals	Rice	MTU-1010	Rainfed		4								
Satna	2021	Kharif	IDM	Demonstration on Phytophthora blight disease	Oilseed	Sesame	-	Rainfed	4ha									

				management in Sesame														
Satna	2021	Kharif	IPM	Demonstration of myco pesticide *Beauveria bassiana*with botanical insecticide neem against pod fly and pod borer on Pigeonpea	Pulses	Pigeon pea	-	Rainfed	4ha									
Satna	2021-22	Rabi	Income generation	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers .	Mushroom	***Pleurotus streatus .spp***	-		10 units(160 bag per units)									
Satna	2021-22	Kharif-Rabi	ICT	Demonstration on "WhatsApp Mobile Advisory " for dissemination of Agriculture technology	-	-	-	-		-								

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)
Satna	Demonstration on direct seeding technology in Rice under rice-wheat cropping system	Rice											
Satna	Demonstration of raised bed sowing technique in Blackgram	Blackgram											
Satna	Demonstration on ICM of Sesame under upland shallow soil conditions	Sesame											
Satna	Demonstration of Zero tillage technology of wheat under semi-irrigated condition in rice-wheat cropping sequence	Wheat											

Satna	Demonstration of late sown variety (RVG 202) in rice-chickpea cropping system	Chickpea											
Satna	Demonstration on irrigation scheduling and nipping management in mustard (Giriraj) for higher yield and economic returns	Mustard											
Satna	Demonstration of high yielding tomato variety Kashi Aman on raised bed, plastic mulching and stacking under Cowpea-tomato-onion cropping system for marginal farmers	Tomato											
Satna	Demonstration of vegetable intercropping (Brinjal +Coriander) for ensuring higher returns and minimizing loss due to shoot and fruit borer under brinjal – onion cropping sequence.	Brinjal											
Satna	Demonstration of production technology of Cauliflower during rainy season for ensuring higher income to small landholders farmers.	Cauliflower											
Satna	Demonstration of foliar application of water soluble fertilizers NPK (18:18:18) and micronutrients Zn and Boron on yield and quality of tomato.	Tomato											
Satna	Demonstration of Carboxin 37.5% + Thirum 37.5%) for Seed treatment and foliar spray of Pyraclostrobin 10CS for the control of Blast Disease in Rice	Rice											
Satna	Demonstration on Phytophthora blight disease management in Sesame	Sesame											
Satna	Demonstration of myco pesticide *Beauveria bassiana* with botanical insecticide neem against pod fly and pod borer on Pigeonpea	Pigeonpea											

Satna	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers .	Mushroom											
Satna	Demonstration on "WhatsApp Mobile Advisory " for dissemination of Agriculture technology	-											

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2021 to Dec-2021

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
Satna	2020-21	Rabi	Resource Conservation	Zero tillage	Wheat													

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-2021 to Dec-2021

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
Satna	2021		Breed Evaluation	Demonstration of improved poultry birds in back yard system	Poultry farming	Poultry farming	Kegg golden			15								
Satna	2021		Animal Health Management	Demonstration on management of ecto-parasite infestation in Buffalo.	Livestock	Livestock	Buffalo			15								
Satna	2021		Farm Waste Management	Demonstration on Jai Gopal (Perionyx ceylanesis) species of Worms against Eisinia foetida for decomposition of farm waste	Composting	Vorms	Jai Gopal (Perionyx ceylanesis) and Eisinia foetida			6								

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)
Satna	Demonstration of improved poultry birds in back yard system	Poultry	Body weight gain(kg)										
Satna	Demonstration on management of ecto-parasite infestation in Buffalo.	Buffalo	Increase in milk yield (kg/animal)										
Satna	Demonstration on Jai Gopal (Perionyx ceylanesis) species of Worms against Eisinia foetida for decomposition of farm waste	vermicompost	Yield of Vermicompost(kg/bed)										

3.7 Details of FLDs on Fishery implemented during Jan-2021 to Dec-2021

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

3.8 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
Satna	2021	Kharif	Nutritional Security	Demonstration on sprouted cowpea feeding to malnourished children.	Cowpea	General diet+ sprouted cowpea 40 g/day for one month	10								
Satna	2021	Kharif	Nutritional Security	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement	Kharif: Cowpea,Sponge Gourd,Bottle Gourd,,Bitter Gourd,Chilli,Papaya,Custard apple. Rabi : Spinach, Methi, Brinjal , Tomato,Raddish,Onion,Papaya	Nutritional Garden	20								

Satna	2021	Kharif	Nutritional Security	Demonstration on Drumstick dry leaf powder as daily dietary supplement for anaemic adolescent	Drumstick dry	Nutritional Garden	10								
Satna	2021	Kharif	Income generation	Development of healthy multigrain biscuits from pearl millet and Finger millets	Multigrain biscuits	Multigrain biscuits	10								

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
Satna															

***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
Satna	Development of healthy multigrain biscuits from pearl millet and Finger millets										

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
Satna													

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
Satna	Demonstration on sprouted cowpea feeding to malnourished children.																		
Satna	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement																		
Satna	Demonstration on Drumstick dry leaf powder as daily dietary supplement for anaemic adolescent																		

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Satna	Rice	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Blackgram	Field days	01	50	
		Farmers Training	03	60	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Sesame	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Wheat	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	

Satna	Chickpea	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Mustard	Field days	01	50	
		Farmers Training	02	30	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Tomato	Field days	01	35	
		Farmers Training	03	70	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Cauliflower	Field days	01	50	
		Farmers Training	02	30	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Brinjal	Field days	01	40	
		Farmers Training	02	30	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Pigeonpea	Field days	01	50	
		Farmers Training	03	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Buffalo	Field days	01	50	
		Farmers Training	02	30	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Poultry	Field days	03	90	
		Farmers Training	01	Mass	
		Media coverage	01	40	
		Training for extension functionaries	01	50	
Satna	vermicompost	Field days	03	90	
		Farmers Training	01	Mass	
		Media coverage	01	40	
		Training for extension functionaries	01	50	

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

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

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

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/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
Satna	FW	OFC	**Crop Production**	Weed Management	Integrated weed management in Rice	01	01								
Satna	FW	OFC	**Crop Production**	Weed Management	Integrated weed management in Chickpea	01	01								
Satna	FW	ONC	**Crop Production**	Resource Conservation	Improved sowing Techniques for	01	01								

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
				Technologies	enhancing productivity of kharif pulses and oilseed										
Satna	FW	OFC	**Crop Production**	Resource Conservation Technologies	Direct seeding technology of Rice	01	01								
Satna	FW	OFC	**Crop Production**	Resource Conservation Technologies	Zero tillage sowing technique in Wheat	01	01								
Satna	FW	ONC	**Crop Production**	Cropping Systems	Efficient and profitable cropping pattern for rain fed and limited irrigation farming situation	01	01								
Satna	FW	ONC	**Crop Production**	Integrated Farming	Integrated farming system module for improving nutritional and economic security of small and marginal farmers.	1	1								
Satna	FW	OFC	**Crop Production**	Micro irrigation/irrigation	Irrigation Scheduling in wheat	01	01								
Satna			**Crop Production**	Seed production											
Satna			**Crop Production**	Nursery management											
Satna	FW	ONC	**Crop Production**	Integrated Crop Management	Summer cultivation of Greengram and Blackgram										
Satna	FW	ONC	**Crop Production**	Integrated Crop Management	Integrated Crop Management Practices in Mustard	01	01								
Satna			**Crop Production**	Soil & water conservation											
Satna	FW	OFC	**Crop Production**	Integrated nutrient Management	Foliar application of water soluble fertilizers in Rabi crops										
			Crop Production	Production of organic inputs											
Satna	FW	ONC	**Crop Production**	Others(Pl. Specify) Processing & Value addition	Processing and value addition in kodo millet	01	01								
Satna	FW	OFC	**Horticulture (Vegetable Crops)**	Production of low volume and high value crops	Layout and Planning for year round production of vegetables	01	01								
Satna	FW	ONC	**Horticulture (Vegetable Crops)**	Production of low volume and high value crops	Improved production and management practices in Brinjal cultivation	01	01								
Satna	FW	ONC	**Horticulture (Vegetable Crops)**	Production of low volume and high value crops	Profitable vegetable based cropping patterns for marginal farmers under irrigated conditions	01	01								
Satna	FW	ONC	**Horticulture (Vegetable Crops)**	Off season vegetables	Improved production technology for off season cultivation of short duration Leafy Vegetable	01	01								
Satna	FW	OFC	**Horticulture (Vegetable Crops)**	Off season vegetables	Improved production technology of cauliflower during rainy season	01	01								
Satna	FW	OFC	**Horticulture (Vegetable Crops)**	Nursery raising	Nursery raising technique of cucurbitaceous vegetables in poly bags	01	25								
Satna	FW	OFC	**Horticulture (Vegetable**	Nursery raising	Nursery raising techniques for Kharif	01	02								

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
			Crops)		season vegetables.										
Satna	FW	ONC	**Horticulture (Vegetable Crops)**	Exotic vegetables	Production technology of Broccoli and Red Cabbage	01	02								
Satna			**Horticulture (Vegetable Crops)**	Export potential vegetables											
Satna			**Horticulture (Vegetable Crops)**	Grading and standardization											
Satna			**Horticulture (Vegetable Crops)**	Protective cultivation											
Satna			**Horticulture (Vegetable Crops)**	Others(Pl. Specify)											
Satna			**Horticulture (Fruits)**	Training and Pruning											
Satna	FW	ONC	**Horticulture (Fruits)**	Layout and Management of Orchards	Layout, planting technique and moisture conservation methods for planting fruit trees in and around homestead	01	01								
Satna			**Horticulture (Fruits)**	Cultivation of Fruit											
Satna			**Horticulture (Fruits)**	Management of young plants/orchards											
Satna			**Horticulture (Fruits)**	Rejuvenation of old orchards											
Satna			**Horticulture (Fruits)**	Export potential fruits											
Satna			**Horticulture (Fruits)**	Micro irrigation systems of orchards											
Satna			**Horticulture (Fruits)**	Plant propagation techniques											
Satna			**Horticulture (Fruits)**	Others (Pl. Specify)											
Satna			**Horticulture (Ornamental Plants)**	Nursery Management											
Satna			**Horticulture (Ornamental Plants)**	Management of potted plants											
Satna			**Horticulture (Ornamental Plants)**	Export potential of ornamental plants											
Satna			**Horticulture (Ornamental Plants)**	Propagation techniques of Ornamental Plants											
Satna			**Horticulture (Ornamental Plants)**	Others (Pl. Specify)											
Satna			**Horticulture(Plantation crops)**	Production and Management technology											
Satna			**Horticulture(Plantation crops)**	Processing and value addition											
Satna			**Horticulture(Plantation crops)**	Others (Pl. Specify)											

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
Satna	FW	OFC	**Horticulture(Tuber crops)**	Production and Management technology	Organic Production Technology for Potato										
Satna			**Horticulture(Tuber crops)**	Processing and value addition											
Satna			**Horticulture(Tuber crops)**	Others (Pl. Specify)											
Satna	FW	OFC	**Horticulture(Spices)**	Production and Management technology	Foliar application of water soluble nutrients in onion and garlic	1	01								
Satna	FW	OFC	**Horticulture(Spices)**	Production and Management technology	Improved production and management practices in Zinger and Turmeric.	01	01								
Satna	FW	ONC	**Horticulture(Spices)**	Production and Management technology	Improved cultivation technology for garlic and onion.	01	02								
Satna			**Horticulture(Spices)**	Processing and value addition											
Satna			**Horticulture(Spices)**	Others (Pl. Specify)											
Satna			**Horticulture(Medicinal and Aromatic Plants)**	Nursery management											
Satna			**Horticulture(Medicinal and Aromatic Plants)**	Production and management technology											
Satna			**Horticulture(Medicinal and Aromatic Plants)**	Post harvest technology and value addition											
Satna			**Horticulture(Medicinal and Aromatic Plants)**	Others (Pl. Specify)											
			Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
Satna	FW	ONC	**Soil Health and Fertility Management**	Soil fertility management	Techniques of improving fertility status of soil	01	02								
			Soil Health and Fertility Management	Integrated water management											
Satna	FW	OFC	**Soil Health and Fertility Management**	Integrated Nutrient Management	Foliar application of nutrients in field crops	1	01								
Satna	FW	ONC	**Soil Health and Fertility Management**	Production and use of organic inputs	Different techniques of composting	01	02								
Satna		OFC	**Soil Health and Fertility Management**	Management of Problematic soils	Reclamation of problematic soils	01	01								
Satna	FW	OFC	**Soil Health and Fertility Management**	Micro nutrient deficiency in crops	Foliar application of nutrients in field crops	1	01								
			Soil Health and Fertility Management	Nutrient Use Efficiency											
			Soil Health and Fertility Management	Balance Use of fertilizer	Soil Testing through Mini Soil Kit.	1	5								
Satna	FW	OFC	**Soil Health and Fertility Management**	Soil & water testing	Technique of collecting soil sample for testing	01	01								

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
			Soil Health and Fertility Management	Organic Farming											
			Soil Health and Fertility Management	Others (Pl. Specify)											
			Livestock Production and Management	Dairy Management											
Satna	FW	ONC	**Livestock Production and Management**	Poultry Management	**Nutrient supplementation in poultry feeding.**										
Satna	FW	OFC	**Livestock Production and Management**	Poultry Management	**Feeding management in backyard system of poultry.**										
			Livestock Production and Management	Piggery Management											
			Livestock Production and Management	Rabbit Management											
Satna	FW	ONC	**Livestock Production and Management**	Animal Nutrition Management	**Feed and mineral mixture management through locally available ingredients for poultry.**	1	1								
Satna	FW	OFC	**Livestock Production and Management**	Disease Management	**Importance of de- worming and vaccination in goat.**	1	1								
Satna	FW	ONC	**Livestock Production and Management**	Disease Management	**Integrated management of infectious diseases in small animals**	1	1								
Satna	FW	OFC	**Livestock Production and Management**	Feed & fodder technologies	**Feeding management of pregnant goat**	1	1								
Satna	FW	OFC	**Livestock Production and Management**	Feed & fodder technologies	**Green fodder production in rabi season.**	1	1								
Satna	FW	OFC	**Livestock Production and Management**	Feed & fodder technologies	**Forage management in lean period**	1	1								
Satna	FW	OFC	**Livestock Production and Management**	Feed & fodder technologies	**Care and feeding of upgraded progeny of buffalo.**	1	1								
Satna	FW	OFC	**Livestock Production and Management**	Feed & fodder technologies	**Forage management in lean period for buffalo.**	1	1								
Satna	FW	OFC	**Livestock Production and Management**	Production of quality animal products	**Importance of upgradation of livestock.**	1	1								
Satna	FW	ONC	**Livestock Production and Management**	Others (Animal health care)	**Low cost housing for goat to minimize adverse effect of climate.**	1	1								

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
Satna	FW	OFC	**Livestock Production and Management**	Others (Animal health care)	**Care of newly borne calves in winter season**	1	1								
Satna	FW	ONC	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Preparation of balanced diet for farm family through seasonally available local foods	1	02								
Satna	FW	ONC	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Design and development of low/minimum cost diet for pregnant women	1	01								
Satna	FW	OFC	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Preparation of weaning food from locally available seasonal foods	1	02								
Satna	FW	OFC	Home Science/Women empowerment	Storage loss minimization techniques	Safe storage of food grains	1	01								
Satna	FW	ONC	Home Science/Women empowerment	Value addition	Badi making form ash guard	1	02								
Satna	FW	ONC	Home Science/Women empowerment	Value addition	Preservation of aonla i.e. murrabba, chutney pickle, powder	1	02								
Satna	FW	ONC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Drudgery reduction in Potato chips through Improved Potato slicing machine	1	02								
Satna	FW	OFC	Home Science/Women empowerment	Women and child care	Techniques of storing safe drinking water	1	02								
Satna	FW	ONC	Home Science/Women empowerment	Value addition	Making of Pickles from Aonla, Radish, Carrot, Chilies	1	02								
Satna	FW	ONC	Home Science/Women empowerment	Value addition	Papad Making	1	02								
Satna	FW	ONC	**Plant Protection**	Integrated Pest Management	Integrated pest management in kharif pulse crops	01	01	20							
Satna	FW	ONC	**Plant Protection**	Integrated Pest Management	Integrated pest management in Rice crop	01	02	20							
Satna	FW	ONC	**Plant Protection**	Integrated Pest Management	Integrated pest management in Mustard crop	01	02	20							
Satna	FW	OFC	**Plant Protection**	Integrated Pest Management	Plant Protection measures in summer vegetables	01	01	25							
Satna	FW	OFC	**Plant Protection**	Integrated Pest Management	Integrated insect pest and disease management in winter vegetables crops	01	01	25							
Satna	FW	OFC	**Plant Protection**	Integrated Pest Management	Management of red pumpkin beetle and fruit fly in cucurbits	01	01	25							
Satna	FW	OFC	**Plant Protection**	Integrated Pest Management	Integrated Pest management in Okra	01	01	25							
Satna	FW	ONC	**Plant Protection**	Integrated Disease Management	Integrated Disease management in kharif pulse crops	01	02	20							
Satna	FW	ONC	**Plant Protection**	Integrated Disease Management	Method of seed treatment in rabi crops	01	01	20							
Satna	FW	OFC	**Plant Protection**	Integrated Disease Management	Integrated Disease management in kharif pulse crops	01	02	20							

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
Satna	FW	OFC	**Plant Protection**	Integrated Disease Management	Method of seed treatment in rabi crops	01	01	20							
Satna	FW	ONC	**Plant Protection**	Bio-control of pests and diseases	Preparation technology of eco friendly bio-pesticides i.e. Neemastra,Bramstra&Aganistra	01	02	20							
Satna	FW	ONC	**Agriculture Extension**	Smart Climate Change	Extension Strategies for managing risk in Pulses Kharif Crop	1	1								
Satna	FW	ONC	**Agriculture Extension**	Extension Management	Training program on Intellectual property Right (IPR) For patent Process	1	1								
Satna	FW	ONC	**Agriculture Extension**	Extension Management	Strategies for improving the delivery mechanism of Extension	1	1								
Satna	FW	ONC	**Agriculture Extension**	Capacity building (CBD)	Training Program for adaptation E-governance in Agriculture	1	1								
Satna	FW	ONC	**Agriculture Extension**	Capacity building (CBD)	Training Program on Information and Communication Technologies (ITCs) for Effective agriculture decision making	2	2								
Satna	FW	ONC	**Agriculture Extension**	Capacity building (CBD)	Export opportunities in Agriculture Products	2	2								
Satna	FW	OFC	**Agriculture Extension**	Extension Management for Marketing Linkage	Extension Strategies for Management of seed society formulation	1	1								
Satna	FW	OFC	**Agriculture Extension**	Extension Management	Training program on Good Agriculture practices and currant Strategies for improved Agro-Chemical use and management	1	1								
Satna	FW	OFC	**Agriculture Extension**	Extension Management	Use of Social Media For Agriculture	1	1								
Satna	FW	OFC	**Agriculture Extension**	Capacity building (CBD)	Extension Strategies for Managing Risk in Mustered Crop	1	1								
Satna	FW	OFC	**Agriculture Extension**	Extension Management for Marketing Linkage	Agribusiness Entrepreneurship Opportunities	1	1								
Satna	FW	OFC	**Agriculture Extension**	Smart Climate Change	Extension Strategies for promotion of Climate Change Smart Livelihood opportunities	1	1								

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
Satna	**RY**	ONC	Seed production	Quality seed Production technology in wheat	1	05								
Satna	**RY**	ONC	Production of organic inputs	Bio-pesticide production technology in rural youth	02	05								
Satna	**RY**	ONC	Planting material production	Various propagation techniques involved in raising nursery of fruit plants	01	10								
Satna	**RY**	ONC	Mushroom Production	Mushroom Production technology in rural youth and farmer woman.	01	05								
Satna	**RY**	ONC	Value addition	Value Addition of Ash Gaurd	3	5								
Satna	**RY**	ONC	Value addition	Post harvesting handling, packaging and marketing of vegetables	01	20								
Satna	**RY**	ONC	Small scale processing	Preparation of Multigrain biscuits	1	5								
	RY		Poultry production	Poultry Farming	01	05								
Satna	**RY**	ONC	Organic Farming	Organic Crop Production Technology in kodo millet	1	5								
Satna	**RY**	ONC	Capacity building (CBD)& Marketing Linkage	Agribusiness Entrepreneurship Opportunities at Rural Laval	1	5								
Satna	**RY**	ONC	Capacity building (CBD)& Marketing Linkage	Public –Private Partnership in Agriculture Entrepreneurship	1	3								
Satna	**RY**	ONC	Capacity building (CBD)& Marketing Linkage	Agri. Export Management	1	3								
Satna	**RY**	ONC	Capacity building (CBD)& Marketing Linkage	Extension Skills for Supply Chain Management in Agriculture and Allied Sector	1	5								
Satna	**RY**	ONC	Soil testing	Soil testing through Mirda Parikshak	01	5								

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

Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4		6	7	8	9	10	11	12	13	14	15
Satna	**IS**	ONC	Productivity enhancement in field crops	Climate Resilient technologies for kharif crops	01	01								
Satna	**IS**	ONC	Integrated Pest Management	Identification, diagnosis and management of major insect pest in kharif crops	01	01								
Satna	**IS**	ONC	Integrated Pest Management	Identification, diagnosis and management of major insect pest in rabi crops	01	01								
Satna	**IS**	ONC	Integrated Nutrient management	Diagnosis of nutrient deficiencies in Rabi pulse and oilseeds crops and their remedial measures	01	02								
Satna	**IS**	ONC	Women and Child care	Nutritional Diet for Pregnant and Lactating Women	1	02								
Satna	**IS**	ONC	Low cost and nutrient efficient diet designing	Nutrient rich locally available foods for pre school chidren	1	02								
Satna	**IS**	ONC	Poultry Production and management	Selection, Care and handling of hatching eggs and chicks.	**1**	**01**								
Satna	**IS**	ONC	**Integrated farming systems**	Integrated farming systems for livelihoods security of small & Marginal farmers	1	1								

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													
Satna	**Crop production and management**	Commercial vegetable production	Bio Plate and Leaf cup making	Palas	Employment generation for rural youths	05									
	Crop production and management	Integrated crop management	Quality seed Production technology in wheat			1									
	Crop production and management	Organic farming	Organic Crop Production Technology in kodo millet			1									
	Crop production and management	**Others(Pl. Specify)**													
Satna	**Post harvest technology and value addition**	Value addition	Value addition of Aonla	Aonla	Employment generation for rural youths	1									
	Post harvest technology and value addition	**Others(Pl. Specify)**													
	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													
	Income generation activities	Mushroom cultivation													
	Income generation activities	Nursery, grafting etc.													
	Income generation activities	Tailoring, stitching, embroidery, dying etc.													
	Income generation activities	Agril. para0workers, para0vet													

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
		training													
	Income generation activities	**Others(Pl. Specify)**													
	Agricultural Extension	Capacity building and group dynamics													
	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	No. of courses	Duration (days)	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
Satna	FW		**Crop production and management**	Increasing production and productivity of crops	Contingent crop planning during drought situation	4	5										
Satna	FW		**Crop production and management**	Commercial production of vegetables	Production technology of low volume high value rainy season vegetable crops	01	02										
Satna	FW		**Crop production and management**	Production and value addition	Value addition of Minor Fruits(Aonla, Ber and Bael)	01	05										
Satna	FW		**Crop production and management**	Fruit Plants	Harvesting technique and Post harvest handling of Aonla	01	03										
Satna	FW		**Crop production and management**	Spices crops	Best management practices in Ginger and turmeric cultivation	01	01										
Satna	FW		**Crop production and management**	Methods of protective cultivation	Nursery raising techniques for vegetables in poly/insect proof net tunnels	01	01										
Satna	FW		**Post harvest technology and value addition**	Processing and value addition	Value addition of Aonla	1	01										
Satna	FW		**Home Science**	Household nutritional security	Layout and establishment of utritional kitchen garden	01	30										
Satna	FW		**Home Science**	Economic empowerment of women	Mushroom production	01	45										
Satna	FW		**Home Science**	Drudgery reduction of women	Use of wheel hoe and serrated sickles in farm operations	01	30										

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

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Satna	Goat farming				
Satna	Backyard Poultry farming				
Satna	Mushroom farming				
Satna	Backyard vegetable production				
Satna	Value Addition of Minor Forest Produce				

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

Name of KVK	Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (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		
Satna	Basic skills and group works for leadership development	CBD	Leadership Development	FW	02	01										
Satna	Techniques of soil and water conservation	SWC	Soil and Water conservation	FW	02	01										
Satna	Participatory Rural Appraisal technique	CBD	PRA	IS	02	01										
Satna	Planting technique of fruit trees on community land	HOF		IS	01	01										

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2021

Area of Training	Jan-Dec-2021	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	01	20
Design and development of low/minimum cost diet	01	25
Designing and development for high nutrient efficiency diet	01	30
Minimization of nutrient loss in processing	01	20
Processing and cooking	01	20
Gender mainstreaming through SHGs	01	20

Area of Training	Jan-Dec-2021	
	Courses	Participants
Storage loss minimization techniques	01	20
Value addition	01	25
Women empowerment	01	30
Location specific drudgery reduction technologies	01	20
Rural Crafts	01	25
Women and child care	01	20
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2021

Area of Training	Jan-Dec-2021	
	Courses	Participants
Crop Production		
Horticulture		
Soil Health and Fertility Management		
Livestock Production and Management		
Agril. Engineering		
Plant Protection		
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
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)
Satna	**FW**										
Satna	Integrated weed management in Rice										

Satna	Integrated weed management in Chickpea										
Satna	Improved sowing Techniques for enhancing productivity of kharif pulses and oilseed										
Satna	Direct seeding technology of Rice										
Satna	Zero tillage sowing technique in Wheat										
Satna	Efficient and profitable cropping pattern for rain fed and limited irrigation farming situation										
Satna	Integrated farming system module for improving nutritional and economic security of small and marginal farmers.										
Satna	Irrigation Scheduling in wheat										
Satna	Summer cultivation of Greengram and Blackgram										
Satna	Integrated Crop Management Practices in Mustard										
Satna	Foliar application of water soluble fertilizers in Rabi crops										
Satna	Processing and value addition in kodo millet										
Satna	Layout and Planning for year round production of vegetables										
Satna	Improved production and management practices in Brinjal cultivation										
Satna	Profitable vegetable based cropping patterns for marginal farmers under irrigated conditions										
Satna	Improved production technology for off season cultivation of short duration Leafy Vegetable										
Satna	Improved production technology of cauliflower during rainy season										
Satna	Nursery raising technique of cucurbitaceous vegetables in poly bags										
Satna	Nursery raising techniques for Kharif season vegetables.										
Satna	Production technology of Broccoli and Red Cabbage										

Satna	Layout, planting technique and moisture conservation methods for planting fruit trees in and around homestead										
Satna	Organic Production Technology for Potato										
Satna	Foliar application of water soluble nutrients in onion and garlic										
Satna	Improved production and management practices in Zinger and Turmeric.										
Satna	Improved cultivation technology for garlic and onion.										
Satna	Techniques of improving fertility status of soil										
Satna	Foliar application of nutrients in field crops										
Satna	Different techniques of composting										
Satna	Reclamation of problematic soils										
Satna	Foliar application of nutrients in field crops										
Satna	Soil Testing through Mini Soil Kit.										
Satna	Technique of collecting soil sample for testing										
Satna	Nutrient supplementation in poultry feeding.										
Satna	Feeding management in backyard system of poultry.										
Satna	Feed and mineral mixture management through locally available ingredients for poultry.										
Satna	Importance of de- worming and vaccination in goat.										
Satna	Integrated management of infectious diseases in small animals										
Satna	Feeding management of pregnant goat										
Satna	Green fodder production in rabi season.										

Satna	Forage management in lean period										
Satna	Care and feeding of upgraded progeny of buffalo.										
Satna	Forage management in lean period for buffalo.										
Satna	Importance of upgradation of livestock.										
Satna	Low cost housing for goat to minimize adverse effect of climate.										
Satna	Care of newly borne calves in winter season										
Satna	Selection, Care and handling of hatching eggs and chicks.										
Satna	Preparation of balanced diet for farm family through seasonally available local foods										
Satna	Design and development of low/minimum cost diet for pregnant women										
Satna	Preparation of weaning food from locally available seasonal foods										
Satna	Safe storage of food grains										
Satna	Badi making form ash guard										
Satna	Preservation of aonla i.e. murrabba, chutney pickle, powder										
Satna	Drudgery reduction in Potato chips through Improved Potato slicing machine										
Satna	Techniques of storing safe drinking water										
Satna	Making of Pickles from Aonla, Radish, Carrot, Chilies										
Satna	Papad Making										
Satna	Integrated pest management in kharif pulse crops										
Satna	Integrated pest management in Rice crop										
Satna	Integrated pest management in Mustard crop										
Satna	Plant Protection measures in summer vegetables										

Satna	Integrated insect pest and disease management in winter vegetables crops										
Satna	Management of red pumpkin beetle and fruit fly in cucurbits										
Satna	Integrated Pest management in Okra										
Satna	Integrated Disease management in kharif pulse crops										
Satna	Method of seed treatment in rabi crops										
Satna	Integrated Disease management in kharif pulse crops										
Satna	Method of seed treatment in rabi crops										
Satna	Preparation technology of eco friendly bio- pesticides i.e. Neemastra,Bramstra&Aganistra										
Satna	Extension Strategies for managing risk in Pulses Kharif Crop										
Satna	Training program on Intellectual property Right (IPR) For patent Process										
Satna	Strategies for improving the delivery mechanism of Extension										
Satna	Training Program for adaptation E-governance in Agriculture										
Satna	Training Program on Information and Communication Technologies (ITCs) for Effective agriculture decision making										
Satna	Export opportunities in Agriculture Products										
Satna	Extension Strategies for Management of seed society formulation										
Satna	Training program on Good Agriculture practices and currant Strategies for improved Agro-Chemical use and management										
Satna	Use of Social Media For Agriculture										

Satna	Extension Strategies for Managing Risk in Mustered Crop										
Satna	Agribusiness Entrepreneurship Opportunities										
Satna	Extension Strategies for promotion of Climate Change Smart Livelihood opportunities										
Satna	rural youth										
Satna	Quality seed Production technology in wheat										
Satna	Bio-pesticide production technology in rural youth										
Satna	Various propagation techniques involved in raising nursery of fruit plants										
Satna	Mushroom Production technology in rural youth and farmer woman.										
Satna	Value Addition of Ash Gaurd										
Satna	Post harvesting handling, packaging and marketing of vegetables										
Satna	Preparation of Multigrain biscuits										
Satna	Tommato Sos										
Satna	Organic Crop Production Technology in kodo millet										
Satna	Agribusiness Entrepreneurship Opportunities at Rural Laval										
Satna	Public –Private Partnership in Agriculture Entrepreneurship										
Satna	Agri. Export Management										
Satna	Extension Skills for Supply Chain Management in Agriculture and Allied Sector										
Satna	Soil testing through Mirda Parikshak										
Satna	Climate Resilient technologies for kharif crops										
Satna	Identification, diagnosis and management of major insect pest in kharif crops										
Satna	Identification, diagnosis and management of major insect pest in rabi crops										

Satna	Diagnosis of nutrient deficiencies in Rabi pulse and oilseeds crops and their remedial measures										
Satna	Nutritional Diet for Pregnant and Lactating Women										
Satna	Nutrient rich locally available foods for pre school chidren										
Satna	Integrated farming systems for livelihoods security of small & Marginal farmers										
Satna	Recent technologies in high valued horticultural crops for enhancing farmers income.										
Satna	Multi storied cropping and intercropping system in Horticultural crops										
Satna	Bio Plate and Leaf cup making										
Satna	Quality seed Production technology in wheat										
Satna	Organic Crop Production Technology in kodo millet										
Satna	Value addition of Aonla										
Satna	Contingent crop planning during drought situation										
Satna	Production technology of low volume high value rainy season vegetable crops										
Satna	Value addition of Minor Fruits(Aonla, Ber and Bael)										
Satna	Harvesting technique and Post harvest handling of Aonla										
Satna	Best management practices in Ginger and turmeric cultivation										
Satna	Nursery raising techniques for vegetables in poly/insect proof net tunnels										
Satna	Value addition of Aonla										
Satna	Layout and establishment of utritional kitchen garden										
Satna	Mushroom production										
Satna	Use of wheel hoe and serrated sickles in farm operations										
Satna	Livehood										

Satna	Goat farming										
Satna	Backyard Poultry farming										
Satna	Mushroom farming										
Satna	Backyard vegetable production										
Satna	Value Addition of Minor Forest Produce										
Satna	Basic skills and group works for leadership development										
Satna	Techniques of soil and water conservation										
Satna	Participatory Rural Appraisal technique										
Satna	Planting technique of fruit trees on community land										

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			
Satna	Agri mobile clinic	-												
Satna	Animal Health Camp	4												
Satna	Awareness programme	4												
Satna	Celebration of important days	12												
Satna	Diagnostic visits	96												
Satna	Exhibition	6												
Satna	Exposure visits	2												
Satna	Ex-trainees Sammelan	1												
Satna	Farm advisory Services	200												
Satna	Farmers visit to KVK	10000												
Satna	Field Day	20												
Satna	Group meetings	10												
Satna	Kisan Ghosthi/Sammelan	30												
Satna	Kisan Mela	2												
Satna	Krishi Mahotsav	1												
Satna	Lectures delivered as resource persons	24												

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			
Satna	Mahila Mandals conveners meetings	1												
Satna	Method Demonstrations	24												
Satna	Pradhanmantri phasal beema yojana	1												
Satna	Scientific visit to farmers field	96												
Satna	Self Help Group conveners meetings	2												
Satna	Soil health Camp	4												
Satna	Soil test campaigns	3												
Satna	Technology Week	1												
Satna	Radio talks	5												
Satna	Extension literature	20												
Satna	TV talks	-												
Satna	Newspaper coverage	40												
Satna	Film Show	60												
Satna	Others	2												

5. 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	**7**			
TV talks	**2**			
Newspaper coverage	**60**			
Internet (Youtube)	**25**			
Social media (Whats App, Facebook, Instagram, Twitter etc.)	**200**			

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

7.1 KVK Newsletters (Jan to Dec. 2021)

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.
	January to March 2021	Q1	500		
	April to June 2021	Q2	500		
	July to September 2021	Q3	500		
	October to December 2021	Q4	500		

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
	Abstract	8
	Book	0
	Book Chapter	2
	Booklet	0
	Leaflets/ Folder/ Pamphlet	20 (10000)
	Popular article	20
	Technical Bulletin	4 (2000)
	Training Manual	4 (800)
	Technical Report	6 (30)
	Year Planner	1 (10)
	Others (pl. specify)	

Research paper /Review paper published during Jan to Dec. 2021

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

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
Satna	**CD**	Production Technology of Rice	200
Satna	**CD**	Production Technology of Kharif Tomato	200

Satna	**CD**	Production Technology of Chillies	200
Satna	**CD**	Seed Production Technology of gram	200
Satna	**CD**	Seed Production Technology of Wheat	200
Satna	**CD**	Transplanted Pigeon pea Technology	200
Satna	**CD**	Disease Management in Pulse crops	200
Satna	**CD**	Disease Management in oilseed crops crops	200

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Name of Variety (pl. give the name instead of local)	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Satna	Cereals	Rice	JR-767	6.50			
Satna		Rice	Swarna shreya	7.80			
Satna		Rice	JRB-1	3.20			
Satna		Rice	MTU-1010	7.07			
Satna		Rice	JR 81	7.95			
Satna		Rice	Pant sungandh -27	2.27			
Satna		Rice	Bouna Doobraj	8.85			
Satna		Wheat	HD-3226	10.16			
Satna		Wheat	DDW-47	11.72			
Satna		Wheat	Pusa Gautami	8.50			
Satna		Wheat	HI 8777	5.50			
Satna		Wheat	HI 8759	11.50			
Satna		Wheat	HI 1605	2.50			
Satna		Wheat	DBO-167	3.50			
Satna		Wheat	MP-3211	2.50			
Satna		Kodo millet	--	1.50			
Satna	Pulses	Black gram	Pratap urd 1	1.50			
Satna			PU-40	1.30			
Satna		Chickpea	JG-12	3.50			
Satna			RVG 202	2.20			
Satna	Oilseed	Sesame	RT-351	1.50			
Satna			TKG-308	1.10			
Satna			TKG-21	2.50			
Satna		Soyabean	JS-2034	3.00			
Satna		Niger	JN 30	1.00			
Satna		Mustard	Giriraj	4.30			
Satna			Pusa Mustard- 28	1.50			
Satna			Pusa Mustard- 30	1.90			

Satna	Spices	Chillies	Kashi Anmol 2, Pusa Sada Bahar	0.05			
Satna		Zinger	Suprabha	0.20			
Satna		Turmeric	Pant Pitambh	3.00			
Satna		Coriander	Pant Haritima	0.30			
Satna		Fenugreek	PEB, Kasuri methi	0.30			
Satna		Garlic	G 282, G 313	2.50			
Satna	Floriculture	Marigold	Pusa Basanti & Pusa Narangi	0.01			
Satna	Vegetables	Tomato	Kashi Anmol, Arka rakshak	0.025			
Satna		Brinjal	NB 2	0.01			
Satna		Okra	Kashi Pragati,	0.60			
Satna		Cowpea	Kashi Kanchan, Kashi Sukomal	0.25			
Satna		Spinach	All green	0.25			
Satna		Radish	Pusa Chetaki/Kashi Shweta	0.10			
Satna		Onion	Agri Found Light Red	0.40			
Satna		Pumpkin	Azad Harit	0.01			
Satna		Sponge gourd	S-1	0.01			
Satna		Bottlegourd	Pusa naveen/Smridhi/ N arendra Shivani	0.01			

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Name of Variety (pl. give the name instead of local)	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Satna	Forest species	Eucalyptus		1000			
Satna		Teek		250			
Satna		Shisham		250			
Satna		Harr		300			
Satna		Behdda		250			
Satna		Mahua		250			
Satna	Fruits	Mango Seedling	Seedling	200			
Satna		Aonla Budded	NA-7 & NA-6	200			
Satna		Aonla seedling	Seedling	2000			
Satna		Karounda seedling	Pant Manohar, Pant Swarna	2500			
Satna		Lemon Budded	Sweet Lime	200			
Satna		Lemon seedling	Kagzi	1000			
Satna		Papaya ssedling	Coorg Honey Dew	1000			

Satna		Guava seedlings	Apple colour and Allahabadi Safeda	1500			
Satna		Pomegrannate	Bhaguwa	50			
Satna		Custard Apple	Dharur-6	300			
Satna		Jack fruit	Khwaja	500			
Satna	Ornamental crops	Manokamani		450			
Satna		Chandani		345			
Satna		Chameli		380			
Satna		Gulmohar		250			
Satna		Croton		450			
Satna		Bottle palm		100			
Satna		Rose		50			
Satna	Vegetables	Tomato	Kashi Aman, T-5, T-6	80000			
Satna		Brinjal	Kashi Taru, NB-2	20000			
Satna		Chillies	Kashi Anmol, Azad-1	40000			
Satna		Cabbage	Golden Acre, Mukta	10000			
Satna		Cauliflower	Pusa Shubra, Snowball-16	15000			
Satna		Broccoli	Fiasta	5000			
Satna		Red Cabbage	Primro	2500			
Satna		Onion	Agri Found Light Red	250000			
Satna		Capsicum	California wonder	5000			

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	-				
		Vermicompost	8000		40000.00		
		Azolla	200				
		Earthworms	100		40000.00		
		Compost	1000				

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
		Blue green algae	-				
		NADEP	100				
		Sanjeewani Khad	500				
		Acetobactor	-				
		Aspergillius	-				
		Azatobactor	-				
		Azospirillum	-				
		Phosphate solublizing Bacteria	-				
		Rhizobium	-				
		Other (pl. sp.)					
		Beejamruth	1000kg@Rs.6/kg		6000.00		
		Ghanjeevamruth	1000kg@Rs.10/kg		10000.00		
		Taraljeevamruth	1000 liter@Rs.10/liter		10000.00		
	Bio-Food	Spirulina					
		Honey	100				
		Any Other (pl. sp.)					
	Bio Pesticides	Neem extract	1000 liter@Rs.40/liter		40000.00		
		Neem powder	50				
		Tobacco extract	-				
		Trichoderma viride	50				
		Trichoderma harjinum	50-				
		Trichogramma chilonis	50				
		Beauveria bassiana	**50**				
		Metarhizium anisopliae	-				
		Pseudomonas fluorescens	-				
		SlNPV	-				

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
		HaNPV	10				
		GF1	-				
		Baco Lures	-				
		Heli Lures	-				
		Leucin Lures	-				
		Paeciliomyces	-				
		Panchagavya	500 liter@Rs.10/liter		5000.00		
		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	25				
		Eudrilus eugeniae					
		Euclnia Uginae					
		Eisenia foetida					
		Earth worm	**50**				
		Any other **(pl. specify)**					
	Others	Mushroom spawn	600 kg@Rs.150/kg		90000.00		
		Mineral Mixture					
		Cow dung (dry)	1000				
		Any other **(pl. specify)**					
		Fresh Oyster Mushroom	350kg@Rs.100/kg		35000.00		

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.		
	Dairy animals	Cow	Sahiwal	Milk	Litre	4500		
		Calves	Sahiwal		No.	5		
		Goats	-					
		Buffaloes	Murrah	Milk	Litre	4500		
		Sheep						
		Breeding bull	Sahiwal			01		
		Other **(pl specify)**						
	Poultry	Poultry	Sahiwal	Milk	Litre	4500		
		Japanese quail	Sahiwal		No.	5		
		Japanese quail eggs	-					
		Ducks	Murrah	Milk	Litre	4500		
		Turkey						
		Other	Sahiwal			01		
	Piggery	Piglets	-	-	-	-		
		Boar	-	-	-	-		
		Sow		-	-	-		
		Other **(pl specify)**						
	Fisheries	Indian carp			kg	50		
		Exotic carp		--	-			
		Other **(pl specify)**	-	-	-	-		

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2021 :

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				
		Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory				Through Mini Soil Testing kit	Through Soil testing laboratory
Satna	Y	01	02												

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/RY/EF)	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Satna		Techniques of soil and	PF	03									

		water conservation											
Satna		Moisture conservation techniques on sloppy land.	PF	01									

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.)
Satna	4	4		180	

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	
Satna		Use of rain gun for irrigation in wheat and chickpea	FW	05									
Satna		Use of sprinklers in vegetable crops											
Satna		Use of drip irrigation in Fruit crops											
Satna		Use of rain pipe in vegetable nursery											

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)
Satna						

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
Satna	2004	2006	12		

14. Details of SAC Meeting during Jan to Dec. 2021

KVK Name	Date of SAC meeting 2021	No. of SAC members (only) attended	Major action points*
Satna			

***Attached separate file.**

15. Footfall of farmers in KVKs (Jan. 2021 to Dec. 2021)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Satna	8000	120	22	80142

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

KVK	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
	1	Crop Management	Crop Production Technology	**6**	**7**			

KVK	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
			Integrated Farming	**5**	**5**			
			Field Preparation	**4**	**5**			
			Any Other (Specify)	**5**	**2**			
	2	Weather	Advisory	6	4			
			Change in variety	4	4			
			Change in Sowing technique	5	4			
			Climate forecast	12	4			
			Any Other (Specify)					
	3	Soil Management	Soil Testing	2	1			
			INM	4				
			Fertilizer Application	5	2			
			Vermicomposting/ bio-waste recycling	6	2			
			Bio-fertilizer	4				
			Any Other (Specify)					
	4	Disease & Pest Management	Disease Management	20	15			
			Pest Management	25	20			
			Preventive Advisory Disease Management	20	5			
			Preventive Advisory Pest Management	25	15			
			Bio-pesticides	15	5			
			Any Other (Specify)					
	5	Nutrition Security & Women Empowerment	Nutrition Awareness	10	2			
			Kitchen garden	5	4			
			Value Addition and Processing	5	3			
			Drudgery Reduction	-	4			
			Entrepreneurship & Income Generation	12				
			Advisory	6				
			Any Other (Specify)					

KVK	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
	6	Horticulture	Vegetable	20				
			Fruit	20				
			Hi Tech Horticulture	20				
			Spices	20				
	7	Livestock	Feed and Fodder	4				
			Dairy Management	5				
			Fisheries	6				
			Poultry Management	4				
			Vaccination & Disease management	5				
			Any Other(Specify)					
	8	Farm Mechanization		-				
	9	Extension		10				
	10	Organic Farming		7				
	11	Marketing		5				
	12	Awareness		5				
	13	Other Enterprise		5				
	14	Any Other(Specify)						

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)
Satna	ATMA	Central				
Satna	Zila Panchyat	State				
Satna	NHM	Central				
Satna	RKVY	Central				
Satna	DRDA	State				
Satna	Climate Change	Central				
Satna	ARYA	Central				
Satna	VATICA	Central				

Satna	GEF	Central				
Satna	Others (Plz. Specify)					

18. Status of Contingency Utilization Jan-Dec-2021

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 .01.2021 (Rs.)**	**Closing balance 31.12.2021 (Rs.)**	**Name of major source of revolving fund**

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**
Satna	Zonal Best KVK award				

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**	**No. of variety displayed**	**Name (s) of variety**	**Name of best variety of concerned crop**	**Source**
400	Cereals	Rice, Wheat, Small Millets				
400	Pulses	Blackgram,				

		Greengram, Pigeonpea, Chickpea, Lentil				
400	Oilseeds	Mustard, Sesame				
400	Vegetables	Tomato, Brinjal, Okra, Chillies				

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.

***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

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
Satna	08	1816	02	08	06	78

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	
Satna	KVK ,Rewa	04	**06**	**06**	

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Satna						

28. Status of KVK Website during Jan to Dec. 2021

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates	No. of visitors
1	**Satna**				

29. Mobile Apps to be developed by KVK

Name of KVK	Title of Mobile App	Link to Play Store	No. of Installs

30. ICT based module

KVK	Whatsapp		Facebook			Twitter		Instragram	
	No of group created	No of beneficiaries	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
Satna	**15**								

31. Status of RTI

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

32. Status of Citizen Charter

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

33. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Satna				

	Total			

Name of KVK	**Total Number of staff Attended HRD Programme organized by ATARI (nos)**	**Total Number of Programme attended (Nos)**
Satna	**05**	**05**

34. Participation in HRD Programmes organized by DES

Name of KVK	**Name of Staff**	**Post held**	**Programme attended (Nos)**	**Remarks**

Name of KVK	**Total Number of staff Attended HRD Programmes organized by DES (nos)**	**Total Number of Programmes attended (Nos)**
Satna	**5**	**10**

35. 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)**

Name of KVK	**Total Number of staff Attended HRD Programmes by KVK staff (nos)**	**Total Number of Programmes attended (Nos)**
Satna	**5**	**10**

36. 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**
Satna	Drought			
	Insect pest information			

37. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	**Types of Activities**	**No. of Activities**	**Number of Participants**	**Related crop/livestock /technology**
	Gosthies	08		
	Lectures organized	16		

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Exhibition	04		
	Film show	12		
	Fair	01		
	Farm/ Field Visit	10		
	Diagnostic Practices	06		
	Distribution of Literature (No.)	500		
	Distribution of Seed (q)	50		
	Distribution of Planting materials (No.)	1500		
	Bio Product distribution (Kg)	-		
	Distribution of Bio Fertilizers (q)	0.5		
	Distribution of fingerlings	-		
	Distribution of Livestock specimen (No.)	-		
	Total number of farmers visited the technology week	1000		
	Animal health camp	04		
	Awareness programme	04		
	Demonstration	08		
	Exposure visit	01		
	Ex-trainees Meet	01		
	Farmer scientist interaction	04		
	Farmers Training	06		
	Gajarghans Unmulan Pakhwada	01		
	Group Meeting	02		
	Jai Kisan Jai Vigyan Sangoshthi	01		
	Plant Protection Week	01		
	Seed treatment campaign	01		
	Self Help Group convener meet	01		
	Soil health Camp	02		
	Swachha Bharat Abhiyan	01		
	Krishi Gyan Doot Workshop	01		
	Progressive farmers Workshop	01		
	Others (Pl. Specify)			

38. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Satna	Greengram (IPM 2-3)	10		
Satna	Blackgram(PU-40)	25		
Satna	Sesame(TKG22)	40		
Satna	Kodon Millet	05		

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breading/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Satna	Breed Upgradation- AI		
Satna	Health Management		
Satna	Feed & Fodder management		
Satna	Poultry management		

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Satna	**04**		

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Satna	Blackgram	4.5		
Satna	Greengram	1.2		
Satna	Sesame	2.5		
Satna	Kodon Millet	0.50		

Seedlings and Saplings distributed

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

Satna	Tomato	50000	50000	
Satna	Brinjal	20000	20000	
Satna	Chillies	20000	20000	
Satna	Cabbage	6000	6000	
Satna	Cauliflower	6000	6000	
Satna	Broccoli	2000	2000	
Satna	Red Cabbage	1500	1500	
Satna	Onion	150000	150000	
			255500	
Saplings				
Satna	Guava	500		
Satna	Aonla	500		
Satna	Karonda	1000		
Satna	Drumsticks	500		
Satna	Custard apple	500		

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Satna	*Trichoderma virdae*	0.5		

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Satna	Rizobium	50		

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Satna	*Icenea foetida*	0.5		

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Satna	Direct Seeding Technology in Rice				

Satna	Zero tillage in Wheat				
Satna	Raised Bed Planting of Vegetables				
Satna	Ridge and Furrow				

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
Satna	02		04		02		01		04		12	

39. Activities proposed in Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Satna	Maihar	Itma

1. Technologies to be Demonstrated

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Direct Seeding of Rice	Rice	2.0			
Zero tillage in Wheat	Wheat	2.0			
Improved Production technology of tomato	Tomato	2.0			
Improved production technology of onion	Onion	2.0			
Foliar application of water soluble nutrients in vegetables	Bittertgourd	2.0			
Soil Health Card					
Vermi Composting	Vermicompost				
Ridge and Furrow Sowing	Greengram & Backgram	2.0			
Introduction of low water requiring crop	Mustard	2.0			
Intercropping	Pegionpea + greengram	2.0			
Intercropping	Wheat + Mustard	2.0			
Mushroom Cultivation		20 no			

Nutritional Kitchen garden		20 no			

2. Extension Activities

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Exposure visit of farmers to KVK				
Field Day				
Farmers Scientist interaction				
Exhibition				
Farmers Workshop				
Animal camps and Vaccination				

3. Training Programme

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Resource conservation technologies for rain fed farming				
Weed Management in Kharif crops				
Improved sowing technique for rain fed areas viz Ridge and furrow, Raised bed technique				
Organic manure and bio pesticide preparation techniques				
Sowing technique of Rabi crops				
Improved agronomic practices in vegetable production				
Foliar application of water soluble nutrients on vegetable crops				
Safe storage of food grains and seed				

40. Activities proposed in DFI Village

Information about DFI Village

Name of KVK	Block	Name of DFI Village	Total geographical area (ha)	House hold	Population

1. Technologies to be Assessed (OFT) in DFI Village

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

2. Technologies to be Demonstrated (FLD) in DFI Village

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

3. **Training Programme to be proposed in DFI Village**

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	

4**. Extension Activities to be proposed in DFI Village**

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	

41. Activities proposed in Nutri-Smart Village

Information about Nutri-Smart Village

Name of KVK	Block	Name of Nutri Smart Village
Satna	**Majhgawan**	**Bhargawan**

1. **Technologies to be Assessed (OFT) in Nutri Smart Village**

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

2. **Technologies to be Demonstrated (FLD) in Nutri Smart Village**

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

	Unit/Enterprise)				

3. **Training Programme to be proposed in Nutri Smart Village**

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	
Satna												

4**. Extension Activities to be proposed in Nutri Smart Village**

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	
Satna											

40. (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	

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
01	Satna	05	02