ANNUAL ACTION PLAN

January 2022 to December 2022

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 2022 to December 2022

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)	10	100		
b.		OFT- Agriculture Engineering	-	-		
c.		OFT- Animal Science	3	31		
d.		OFT- Fisheries	-	-		
e.		OFT- Extension	2	20		
f.		OFT- Home Science	4	35		
		Activity	Area (ha)/number	No. of farmers/ beneficiaries	Area (ha)	No. of farmers/ beneficiaries
2		**FLD**				
a.		CFLD-Oilseed (in ha)	24	60		
b.		CFLD-Pulses (in ha)	12	30		
c.		FLD- Crop All(from KVK contingency other than CFLD & other projects) (in ha)	37	175		
c1		Oilseed (in ha)				
c2		Pulses (in ha)				
c3		Other (in ha)				
d.		FLD- Agriculture Engineering (in ha)	-	-		
e.		FLD - Animal Science (in ha for fodder/ no. of Unit/Enterprise)	2	40		
f.		FLD - Fisheries (in ha/ no. of Unit/ Enterprise)	-	-		
g.		FLD - Extension (no. of Enterprise)	-	-		
h.		FLD - Home Science (in ha/ no. of Unit/Enterprise)	5	110		

S.No.	KVK Name	Activity	Target		Achievement	
			Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries
3.		**Trainings**				
a.		Training-Farmers and farm women	**72**	**1440**		
b.		Training-Rural youths	**10**	**200**		
c.		Training- Extension functionaries	**11**	**220**		
d.		Training- Vocational	**05**	**100**		
e.		Training- Sponsored	**08**	**160**		
4.		**Extension Activities**				
a.		Extension Activities	**679**			
		Activity	**Quantity quintal/number**	**No. of farmers/ beneficiaries**	**Quantity quintal/number**	**No. of farmers/ beneficiaries**
5.		**Seed Production**				
a.		Seed Production (quintal)	**136.3**			
6.		**Planting Materials**				
a		Planting material (No.)	**18650**			
b.		Seedling Production (No.)	**460000**			
c.		Sapling Production (No.)				
7.		**Other Bio- products (Kg)**	**3750**			
8.a		**Livestock strains (No.)**	**-**			
8.b		**Fish fingerling (No.)**	**-**			
9.		**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.**)				
b.		No. of Soil health card issued by using Mini Soil Testing Kit (**Nos.**)				
c.		Soil and Water sample testing by using Soil Testing Laboratory (**Nos.**)				
d.		No. of Soil health card issued by using Soil Testing Laboratory (**Nos.**)				

ii. Summary of other activities

		Activity	Quantity quintal/number	No. of farmers/ beneficiaries	Quantity quintal/number	No. of farmers/ beneficiaries
10.		**Rainwater Harvesting System (Nos.)**				
11.		**SAC Meeting**				
a.		SAC Meeting (**Nos.)**	**01**			
b.		Proposed Date & No. of core/ official members	**26.05.2022/50**			
12.		**Nutri Smart Village**				
a.		OFTs				
b.		FLDs				
c.		Trainings				
d.		Extension activities				
13		**Technology Demonstration under Tribal Sub Plan**				
a.		**Tribal Sub Plan (TSP)**				
14.		**Literature to be Developed/Published (Nos.)**				
15 (a)		**Convergence programmes (Nos.)**				
15 (b)		**Sponsored programmes (Nos.)**				
16		**KVK Progressive Farmers interaction (Nos.)**				
17		**Outreach of KVK in the District (No. of blocks, no. of villages)**				
18		**Technology Week Celebrations**	**01**			
19		**Interventions on Drought Mitigation**				
20		**Sansad Adarsh Gram**				
21		**DFI Village**				
22		**Case study / Success Story to be developed (Nos.)**				
23		**Administrative**	**No. of days occupy**			
a.		Utilization of Farmers Hostel				
b.		Utilization of Staff Quarters				

ICT Initiative

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	
Satna	Status of KVK Website (no of monthly updates)	**12**	**Mass**			
Satna	Kisan Mobile Advisory (KVK-KMA)	**200**	**120000**			
Satna	Whatsapp (no of Massages sent per year)	**15**	**2400**			
Satna	Facebook (no of updates sent per year)	**150**	**Mass**			
Satna	KVK Portal (no of MPRs sent per year)	**24**				
Satna	Twitter (no of updates sent per year)	**150**	**Mass**			
Satna	Instragram (no of updates sent per year)	**150**	**Mass**			

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	15

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	Gen	9425887138	rsnegi007@rediffmail.com
Satna	SMS/ Scientist 1	Dr. R.P.Sharma	Animal Science	Ph.D	Animal Science	15600-39100+GP 5400	31350	13.05.1991	Gen	9425833181	ramprakashanju@radiffmail.com
Satna	SMS/ Scientist 2	Sh. Akhilesh Jagre	Plant Protection	M.Sc.	Plant Pathology	15600-39100+GP 5400	21000	08.02.2019	Gen	9425942368	akhileshjagre123@gmail.com
Satna	SMS/ Scientist 3	Dr. Ajay Chourasiya	Agronomy	Ph.D	Natural Resource Management	15600-39100+GP 5400	21000	15.02.2019	Gen	9407018060	ajaychourasiya09@gmail.com
Satna	SMS/ Scientist 4	Sh. Hemraj Diwevdi	Home Science	M.Sc	Food Science	15600-39100+GP 5400	21000	15.10.2020	Gen	8770534764	hemraj8691@gmail.com
Satna	SMS/ Scientist 5										
Satna	SMS/ Scientist 6				-	-	-	-	-		
Satna	Programme Assistant	Sh. Ashok Sharma	Lab. Techni.	M.Sc	Soil Science	9300- 39100+ GP 4200	14330	08.10.2016	Gen.	9425735157	Simpysharma01@gmail.com
Satna	Farm Manager										
Satna	Computer Programmer	Er. Harendra Kumar	Computer Science	M.Tech	Computer Science	9300- 39100+ GP 4200	13500	16.10.2020	OBC	9807434457	harendra1692@gmail.com
Satna	Programme	Sh. Uttam	AE	M.Sc	Agriculture	9300- 39100+	13500	19.10.202	Genera	739398	uttam007tripathi@gmail.co

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
	Assistant	Tripathi			Extension	GP 4200		0	l	6096	m
Satna	Accountant / superintendent	Sh.R.P. Pandey		M.COM		9300-39100+ GP 4200	15210	01.06.2014	General	9407288631	
Satna	Stenographer	Sh.A.K.Singh		MA, PGDCA		5200-20200+GP 2400	16980	01.12.1993	OBC	9425887328	
Satna	Driver	-	-	-	-	-	-	-	-	-	-
Satna	Driver	-	-	-	-	-	-	-	-	-	-
Satna	Supporting staff, if any	Sh.V.Singh		B.A, MSC		4440-7440+GP 1300	11520	01.05.1994	General	9755086164	
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	9685125113	
Satna		Sh.Bansh Gopal	Watchman	Literate		4440-7440+GP 1300	10860	01.12.1993	OBC	9425887136	
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.

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: Agronomy-1

Title of on-farm trial:	Assessment of Natural Farming practices for minimizing cost of production and higher return of Mustard
Year/Season:	Rabi 2022-23 (First Year)
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 natural preparations i.e. jeevamrit, neemastra etc
Thematic area:	Natural 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-	Seed treatment with Carboxin+ thiram @ 2 g/kg seed, Application of NPKS (32:16:12:8) Kg/ha, Application of Pendimethalin 38.7 % CS @ 700 ml/acre PE for weed control and application of Thiamethoxam @ 100 g/acre for aphid control
T2 –Recommended Practice-	Seed treatment with Beejamrit @ 20 ml/kg seed, Jeevamrit (Soil application of 200 kg /acre Ghan Jeevamrit before cumup irrigation + Taral Jeevamrit @ 500 litre/acre at cum-up irrigation + Four foliar application of Taral Jeevamrit @ 85 litre/acre at 21 days interval each spray), Straw mulching for weed management and moisture conservation) and two foliar application of Neemastra @ 12 litre/acre for aphid management.
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	Gurukul Farm, Kurukshtra (HS) (2019)
Characteristics of technology:	Jeevamrit is a promising liquid manure could act as a good soil tonic which enhanced the soil physical, chemical and biological properties. Application of Jeevamrut at very low rate act as a tonic to so improving soil health. straw mulching has been shown to reduce evaporation and increase the soil moisture available for plant use. Straw mulches were found to significantly reduce evaporation during the rainless period and weeds suppress and Neemastra use as foliar spray over one acre, useful against sucking pests
Name of Crop/Enterprises:	Mustard
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,	No			
No. of silique/plant,	No			
No. of seeds per siliqua,				
Test weight(g)	g			
Seed Yield	kg/ha			
Stover Yield (kg/ha	kg/ha			
Cost of cultivation	Rs/ha			
Net returns	Rs/ha			
B:C ratio				

2.1 Information about OFT: Agronomy-2

Title of on-farm trial:	Assessment of Integrated Farming System Module for higher and sustainable income round the year
Year/Season:	Kharif 2022 and Rabi 2022-23
Farming situation:	Irrigated condition
Problem diagnosis:	Small and marginal farmers are the core of the Satna district constituting 80.68 % of the total farming community but possessing only 42.86 % of the total operational land. Agriculture is labour oriented and requires lot of man-power and energy but even after this hard work farmers are not in a position to earn their livelihood, especially small farmers because there is very little left after they pay for all inputs (seeds, livestock breeds, fertilizers, pesticides, energy, feed, labour, etc.). Less income from single enterprise.
Thematic area:	Integrated Farming 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-	No IFS module
T2 –Recommended Practice-	One ha integrated Farming System (IFS) model comprising of cropping systems (rice-wheat-greengram or rice-Mustard/chickpea and Blackgram-Wheat) in 0.4 ha + Vegetables (Tomato, Brinjal, Potato, Cabbage, Cauliflower, okra, peas, spinach, Coriander, Fenugreek, Green chillies, Onion) in 0.4 ha + Dairy (1 cow, 1 buffalo) including vermicompost unit in 0.2 ha
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IIFSR, Modipuram
Characteristics of technology:	Improve food, nutrition, livelihood and financial security of small and marginal households through climate smart Integrated Farming Systems (to make marginal and small households as bountiful).Identification of IFS components according to prevalent farming situation in satna district. Optimization of Resource Utilization. By - products of crops / vegetables for animals and utilization of animal waste produce as a soil fertigation and raw material use to preparation of vermicompost. Introduction of appropriate management techniques for all components under the IFS.
Name of Crop/Enterprises:	IFS Module
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)**
System productivity	kg/ha/day			
System profitability	Rs./ha/day			
Cost of production	Rs./ha			
Net returns	Rs./ha			
B:C ratio				

2.1 Information about OFT: Agronomy-3

Title of on-farm trial:	Assessment of Integrated Weed Management practices for Kodo millet (I Year)
Year/Season:	Kharif 2022
Farming situation:	Rain fed
Problem diagnosis:	Low yield of kodo millet due to heavy infestation of weeds
Thematic area:	Integrated Weed 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-	No use of weedicide
T2 –Recommended Practice-	Bensulfuron ethyl 0.6 + Pretilachlor 6.0 G at 0.33 kg ha^{-1} (within 3 DAS) fb one hand weeding at 25-30 DAS
T3- Recommended Practice-	Bispyribac sodium 10 SC 0.01 or 0.015 kg/ha (within 15-20 DAS) fb one hand weeding at 35-40 DAS
Date of sowing:	
Date of harvesting:	
Source of technology:	ICAR-DWR, Jabalpur (2020)
Characteristics of technology:	Effective control of weeds at critical crop growth period is, therefore, vital important. Integrated Weed Management in kodo millet were bare minimum and needs to develop integration of chemical weed management along with hand weeding for this crop, since, these crop is considered as one of the nutri cereals. Integrated weed management through herbicide and hand weeding for higher productivity in kodo millet to achieve higher productivity.
Name of Crop/Enterprises:	Kodo 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)**
No of weeds/m2	No/m2			

Weed Control Efficiency (%)	%			
Grain yield	kg/ha			
Cost of Cultivation	Rs/ha			
Net returns	Rs/ha			
B:C ratio				

2.1 Information about OFT: Agronomy-4

Title of on-farm trial:	**Assessment of Direct Seeded Rice through drum seeder for minimizing cost of production in Rice**
Year/Season:	**Kharif 2022**
Farming situation:	Rainfed
Problem diagnosis:	**Low germination percentage, problem in intercultural operation, uneven spread of seeds and low yield under broadcast sowing of rice.**
Thematic area:	**Resource Conservation Technology**
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 rice sowing by broadcasting method**
T2 –Recommended Practice-	**Sowing of pre germinated rice seeds through drum seeder**
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	Directorate of Rice Research, Hyderabad (2012)
Characteristics of technology:	**The labour involved in cultivation of rice raising, uprooting, cleaning, transport and transplanting of seedlings is 100-110 mandays/ha. This labour requirement is very intense at the time of transplanting season. Wet paddy seeding can reduce the labour requirement during transplanting season. The direct wet rice seeding also reduces the water requirements of crop and it saves at least 10- 15 days in the crop growth period.**
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)
Field capacity	hr/ha			
Plant Height	cm			
Tillers/Plant,	No			
Ear Heads/Plant,	No.			
Seed Yield	q/ha			
Cost Of Cultivation	Rs/ha			
Net Return	Rs/ha			
B:C ratio				

2.1 Information about OFT: Horticulture-1

Title of on-farm trial:	Assessment of foliar application of micronutrients on Yield and quality of Bitter gourd.
Year/Season:	Kharif2022(Ist Year)
Farming situation:	Irrigated
Problem diagnosis:	Productivity of bitter gourd is adversely affected by micronutrient deficiencies
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 urea 0.5 % along with boric acid @ 25 ppm at 15 days interval after 25 days after planting.
T3- Recommended Practice-	Foliar application of urea 1.0 % along with boric acid @ 25 ppm at 15 days interval after 25 days after planting.
Date of sowing:	
Date of harvesting:	
Source of technology:	IIHR, Banglore(2018)

Characteristics of technology:	Boric acid at 25 ppm concentration applied as foliar spray thrice prior to early fruiting stage helps in improving pollen health and also results in marked increase in vigor of the vine, fruit set and size of fruit leading to enhance yield over 25 – 35 %. Adding urea at 0.5 % or 1.0 % improves the absorption of boron by leaves.
Name of Crop/Enterprises:	Bitter gourd
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)
Vine Length(m				
No. of primary branches/plant				
No. of days to first male flower emergence,				
No. of days to first female flower emergence,				
No. of days to first picking,				
No. of fruits per vine fruit diameter(cm),				
Av. fruit weight(g) fruit yield(kg/ plant,				
Yield(kg/ha), Net returns(Rs/ha),				
B:C ratio.				

2.1 Information about OFT: Horticulture-2

Title of on-farm trial:	Assessment of processing varieties of potato for their growth and yield parameters in Satna District..
Year/Season:	2022
Farming situation:	Irrigated
Problem diagnosis:	Farmers generally use locally available tubers as planting material, which is not suitable for processing purpose

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-	Locally available seed as
T2 –Recommended Practice-	Kufri Chipsona 4
T3- Recommended Practice-	Kufri Frysona
Date of sowing:	CPRI(2019)
Date of harvesting:	
Source of technology:	University of Agricultural Sciences, banglore(2017)
Characteristics of technology:	Varieties having high dry matter content (21-23 %), acceptable reducing sugar level between 60-140 mg/100g fresh weight, Good for processing (chips and namkeen making
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,	leaves/plant			
tuber size(cm2)	(cm/plant),			
av. tuber weight(g)	(g/plant)			
tuber yield((kg/ha),	(q/ha),			
Net returns(Rs/ha),	(cm/plant),			
B:C ratio				

2.1 Information about OFT: Animal Science-1

Title of on-farm trial:	Evaluation of poultry breed-Sonali
Year/Season:	2022,Kharif
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-	Sonali breed of Poultry.
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	*CARI, Izzatnagar , Bareilly*
Characteristics of technology:	The average egg production was 275 eggs up to 72 weeks of age
Name of Crop/Enterprises:	Poultry Farming
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)**
Eggs productivity per bird per year (during six moth to one and half year of age)				
Mortality percent up to 18 months of age,				
B: C ratio				

2.1 Information about OFT: Animal Science-2

Title of on-farm trial:	Assessment of Combination of flower juice and powdered seeds of *Cassia tora (Sanay) for* treatment of diarrhoeic goats.
Year/Season:	2022 , Rainy
Farming situation:	Grazing
Problem diagnosis:	Poor body weight gain and high mortality (up to 25 %).
Thematic area:	Animal Disease management
No of trials:	5
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:	Anti 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 at 6 month of age (Kg/ Goat)	(Kg/ Goat)			
Success rate of diarrhoea cure ,mortality rate up to 6 month of age				
B: C ratio				

2.1 Information about OFT: Animal Science-3

Title of on-farm trial:	Assessment of Palas (*B. frondosa)* seeds as a anthelmintic in buffalo calves.
Year/Season:	Kharif, 2022
Farming situation:	Semi grazing.
Problem diagnosis:	Poor Vet. Services and lack of awareness in farmers community and result of it is Poor body weight gain and high 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):	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-	*B. frondosa (Palas)* seed's power 10 gm orally with water O.D. for 10 days to treat parasitail infestation at the age of one month.
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
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)**
Change in body weight (kg)at 90 days of age , and				
Mortality (%),				
B: C ratio				

2.1 Information about OFT: Plant Protection -1

Title of on-farm trial:	**Assessment of integrated module of *Fusarium* wilt management in chickpea**
Year/Season:	Rabi 2022-23
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	m^2			
Yield	kg/ha			
Cost of cultivation	Rs/ha			
Net returns	Rs/ha			
B:C ratio.				

2.1 Information about OFT: Plant Protection -2

Title of on-farm trial:	**Assessment of integrated module of late blight management in tomato crop.**
Year/Season:	Rabi-2022-23
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**		
Disease incidence	m^2	**T1 (Farmers Practice)**	**T2(Recommended Practice)**	**T3(Recommended Practice)**
No. of healthy fruit / plant	No			

Yield	kg/ha.			
Cost of cultivation	Rs/ha			
Net returns	Rs/ha			
B:C ratio				

2.1 Information about OFT: Plant Protection -3

Title of on-farm trial:	Assessment of efficacy of bio pesticide against, Pod borer, Bihar hairy, caterpillar &Blister beetles Green Gram.
Year/Season:	Kharif/2022
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop yield due to different pests of Green gram up to 25-30 %. Several insecticides recommended for management of Pod borer, Bihar hairy caterpillar &Blister beetles are showing resistance to insectides.
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-	Foliar Spray of Thiomethoxam 10 % WG insecticides after the pests infestation
T2 –Recommended Practice-	Foliar Application of Agniastra biopesticide @ 6 % at 35 and 45 DAS
T3- Recommended Practice-	Foliar Application of Bramastra biopesticide @ 6 % at 35 and 45 DAS
Date of sowing:	-
Date of harvesting:	-
Source of technology:	University of Agriculture Sciences, Karnatka (2014)
Characteristics of technology:	Foliar application of Bramastra@ 6 % effectively check Pod borer, Bihar hairy caterpillar &Blister beetle pest in Green gram . Bio-pesticide application which are effective and biodegradable and do not leave any harmful effect on environment.
Name of Crop/Enterprises:	Green gram
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 pest per plant ,	No			
Grain yield/ ha.	Kg/ha			
Cost of cultivation	**Rs/ha**			
Gross return	**Rs/ha**			
Net returns	**Rs/ha**			
B:C ratio.				

2.1 Information about OFT: Plant Protection -4

Title of on-farm trial:	**Assessment of efficacy bio pesticide against aphid (Sucking pest) in Mustard . .**
Year/Season:	Rabi-2022-23
Farming situation:	Irrigated
Problem diagnosis:	Loss of crop up to 25-30% yield due to severe infestation of sucking pests(Aphids)
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-	Foliar application of Thiamethoxam 25 wg @ 100 gram/ acre .
T2 –Recommended Practice-	Foliar application of Aganistra biopesticide@ 6 % at 25,40 & 50 DAS
T3- Recommended Practice-	Foliar application of Neemastra biopesticide @ 6 % at 25,40& 50 DAS
Date of sowing:	-
Date of harvesting:	-
Source of technology:	Tamil Nadu Agricultural university, Coimbatore(2017).
Characteristics of technology:	Spraying of Neemastra @ 6 % effectively check Whitefly, Mite, Jassids and even fruit borer in okra up to seventh day after application.
Name of Crop/Enterprises:	Mustard
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 per three terminal leaves,				
Insect control (%)				
Yield(kg/ha)				
Cost of cultivation (Rs/ha.)				
Net returns(Rs/ha),				
B:C ratio				

2.2. Information about Extension OFT: Agriculture Extension-1

Title	**Assessment of adoption of Soil Health Card based fertilizer application in Wheat Crop.** (II) Year
Season & Year	2022
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)	10

Results / findings

Performance indicators/ parameters	Unit/ details
Cost of cultivation	
Increment of yield	
Social Participation	
Extension Participation	
Land holding	
Understanding of Soil health card	

Ability of recommended fertilizer												
Impact of use of Soil health Card												
Crop (Rabi Wheat)	**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 & unit of Parameter	**FP (T_1)**	**RP (T_2)**	**% Change**	**FP (T_1)**	**RP (T_2)**	**FP (T_1)**	**RP (T_2)**	**FP (T_1)**	**RP(T_2)**	**FP (T_1)**	**RP (T_2)**

2.2. Information about Extension OFT: Agriculture Extension-2

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. (II) Year
Year	2022
Problem identified	Less motivation towards participation and attention in off campus training programmes among farmers
Thematic Area	Capacity building (CBD)
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
No. of replication (Farmers)	10

Results / findings

Performance indicator/ parameter (N=10)						
S. No	**Name of Indicators used**	**Responses of selected Farmers**				
01	Per cent increase/decrease in participation of Farmers	Year	No of Extension Activity	Participation without PAS (Avg. No)	Participation with PAS (Avg. No)	Result

02	Increase/decrease time taking by farmers to assemble at event spot	Avg. time taken during 20-21			
03	Change in attitude of farmers towards KVK Extension Activity	1. Positive			
		2. Negative			
		3. Undecided			
04	Farmers feedback	.			

2.3. Information about Home Science OFT: Home Science-1

Title of on-farm trial:	Assessment of nutri-cereal (DWB 187) for enhancing nutritional value of farm family.
Year/Season:	2022 Rabi
Problem diagnosis:	Malnutrition.
Thematic area: (Focus area in DFI and nutri smart initiatives)	Nutritional security/ Availability of nutritional food/ Wheat. DWB 187 (zinc & iron rich variety).
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-	Traditional variety
T2 –Recommended Practice-	Wheat DWB 187 (zinc & iron rich variety).
Source of technology:	IIWBR
Characteristics of technology:	DWB **187** (anthocyanin, antioxidant & also rich in Iron contain.
Name of Crop/Enterprises:	wheat
Farming situation:	Rainfed + irrigated
Date of sowing:	Rabi 2022
Date of harvesting:	March 2023
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3. Information about Home Science OFT: Home Science-2

Title of on-farm trial:	Assessment of value addition of aonla on tribal farm family income
Year/Season:	Rabi ,2022
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 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:	Rain fed
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3. Information about Home Science OFT: Home Science-3

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 dried at a temperature of 45 °C for 2 days. Fast grinding to prepare quality mushroom powder
Name of Crop/Enterprises:	Composition of product, Average Cost of input (Rs/unit), Average Gross Return (Rs/unit), Average Net Return (Rs/unit), Benefit-Cost Ratio (Gross Return / Gross Cost)
Farming situation:	Mushroom powder
Date of sowing:	Irrigation
Date of harvesting:	Low use of mushroom
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2.3. Information about Home Science OFT: Home Science-4

Title of on-farm trial:	Assessment of green leafy vegetable with multigrain flour chapati for improvement of hemoglobin 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 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	

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

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

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

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

Name of Enterprise : -……..

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T_1(Farmers Practices)						
T_2 (Recommended Practices)						
T_3(Recommended Practices)						

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

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)

T_1(Farmers Practices)						
T_2 (Recommended Practices)						
T_3(Recommended Practices						

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

Name of Enterprise /product: -…….

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

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop other than CFLD to be implemented during Jan-2022 to Dec-2022

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/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	**2022**			**Agronomy**														
Satna	2022	Kharif & Rabi	Cropping System	Demonstration on Rice- Mustard through conservation agricultural practices under Rice- Fallow cropping system	Cereal & oilseed	Rice & Mustard	MTU 1010 & PM 28	Rainfed & semi-irrigated		6								15
Satna	2022	Kharif & Rabi	Cropping System	Demonstration on Kodo millet-Linseed cropping system by utilizing kharif fallow and wastelands	Cereal & oilseed	Kodo millet-Linseed	TNAU 86 & JLS 66	Rainfed & semi-irrigated		6								15
Satna	2022	Kharif	Integrated Crop Manageme	Demonstration on Integrated Crop Management of Maize for higher Productivity and Profitability	Cereal	Maize	Jawahar Maize 2016	Rainfed		6								15

			nt																
Satna	2022	Kharif	Nutrient Management	Demonstration of microbial culture (Jeevamrit) on growth and yield attributing characteristics of Blackgram	Pulses	Blackgram	Pant Urd 30	Rainfed		6									15
Satna	2022	Kharif	Integrated Crop Management	Demonstration on Integrated Crop Management of Sesame under upland shallow soil conditions	Oilseed	Sesame	TKG 308	Rainfed		6									15
Satna	2022	Rabi	Varietal Evaluation	Demonstration of high fibre and beta glucan variety of Barley for quality malt production	Cereal	Barley	DWRB 137	irrigated		6									15
Satna	2022	Rabi	Varietal Evaluation	Demonstration of high fibre and beta glucan variety of Oat for good quality flakes production	Cereal	Oat	Jwahar Oat 1	irrigated		6									15
Satna	2022	Rabi	Integrated Crop Management	Demonstration on irrigation scheduling and nipping management in mustard (Giriraj) for higher yield and economic returns	oilseed	Oilseed	Giriraj	irrigated		6									15
Satna	2022	Rabi	Climate Resilient Technology	Demonstration of Zero tillage technology of wheat under semi-irrigated condition in rice-wheat cropping sequence	Cereal	wheat	HI1605	semi-irrigated		6									15
Satna	2022	Rabi	Varietal Evaluation	Demonstration of late sown variety of Chickpea under rice-chickpea cropping system	Pulses	Chickpea	JG 36	semi-irrigated		6									15
				Horticulture															
Satna	2022	Rabi 2022	Nutrient Management	Demonstration of foliar application of liquid organic manure (Jeevamrit) on yield and quality of tomato.	vegetable	Tomato	Kashi Aman	irrigated		1									**20**
Satna	2022	Rabi 2022	Crop Diversification and intensification	Demonstration of vegetable intercropping (Cabbage +Pea) for ensuring higher returns under Okra- Cabbage- Onion cropping sequence..	vegetable	Cabbage & Pea	Cabbage (Pusa Drum head) + Pea(Kashi Unnati)	irrigated		1									**20**
Satna	2022	Rabi 2022	Nutrient Management	Demonstration of organic fertilizers (Beejamrit &Jeevamrit) on growth and yield of Potato.	vegetable	Potato	Kufri Chipsona 2	irrigated		1									**20**
				Plant Protection															
Satna	2022	Kharif	IPM	Demonstration of bio pesticide against BPH, Stem borer, Leaf folder and Gundhi bug pest in Rice.	Cereals	Rice	Pant -11	Irrigated	-	4									**20**

Satna	2022	Kharif	IPM	Demonstration of Trichoderma species in management of Rice false smut	Cereals	Rice	MTU-1010	Irrigated	-	4.								**20**
Satna	2022	Kharif	IPM	Demonstration of bio pesticide against sucking pest in Okra	Vegetable	Okra	Arka anmole	Irrigated	-	2								**20**
Satna	2022	Rabi	Income generation	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers	Mushroom	Oyster mushroom	Pleurotus sajor-caju.	-	-	15 farmers								**15**

3.2 Economic Impact of Crop FLD other than CFLD

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)
	Agronomy												
Satna	Demonstration on Rice- Mustard through conservation agricultural practices under Rice- Fallow cropping system	Rice & Mustard											
Satna	Demonstration on Kodo millet-Linseed cropping system by utilizing kharif fallow and wastelands	Kodo millet-Linseed											
Satna	Demonstration on Integrated Crop Management of Maize for higher Productivity and Profitability	Maize											
Satna	Demonstration of microbial culture (Jeevamrit) on growth and yield attributing characteristics of Blackgram	Blackgram											
Satna	Demonstration on Integrated Crop Management of Sesame under upland shallow soil conditions	Sesame											
Satna	Demonstration of high fibre and beta glucan variety of Barley for quality malt production	Barley											

Satna	Demonstration of high fibre and beta glucan variety of Oat for good quality flakes production	Oat											
Satna	Demonstration on irrigation scheduling and nipping management in mustard (Giriraj) for higher yield and economic returns	Oilseed											
Satna	Demonstration of Zero tillage technology of wheat under semi-irrigated condition in rice-wheat cropping sequence	wheat											
Satna	Demonstration of late sown variety of Chickpea under rice-chickpea cropping system	Chickpea											
	Horticulture												
Satna	Demonstration of foliar application of liquid organic manure (Jeevamrit) on yield and quality of tomato.	Tomato											
Satna	Demonstration of vegetable intercropping (Cabbage +Pea) for ensuring higher returns under Okra-Cabbage- Onion cropping sequence..	Cabbage & Pea											
Satna	Demonstration of organic fertilizers (Beejamrit &Jeevamrit) on growth and yield of Potato.	Potato											
	Plant Protection												
Satna	Demonstration of bio pesticide against BPH, Stem borer, Leaf folder and Gundhi bug pest in Rice.	Cereals	Rice										
Satna	Demonstration of Trichoderma species in management of Rice false smut	Cereals	Rice										
Satna	Demonstration of bio pesticide against sucking pest in Okra	Vegetable	Okra										
Satna	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers	Mushroom	Oyster mushroom										

3.3 Details of FLDs on Agriculture Engineering to be implemented during Jan-2022 to Dec-2022

KVK Name	Year	Season	Thematic area	Technology demonstrat	Crop/ Enterp	Name of	Name of Variety/Tec	Farming Situation (rainfed/irrigated	Completed/Ongo	Crop- Area (ha) / Entrep	Results (q/ha)	% chang	No. of farmers

				ed	rise Category	Crop/ Enterprise	hnology/ Enterprise	/semi-irrigated)	ing	- No.	FP (T_1)	RP (T_2)	e	SC	S T	Others	General	Total

3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

3.5 Details of FLDs on Animal Science to be implemented during Jan-2022 to Dec-2022

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	S T	Others	General	Total
Satna	2022	Kharif	Poultry Production and management	Improved poultry birds in back yard system	Poultry	Poultry	Kegg Golden	Semi scavenging		8								**20**
Satna	2022	Kharif	Animal Health Management	Management of ecto-parasite infestation in cattle.	Dairy	Dairy	Anthelmintic drug.	semi-irrigated										**20**

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	Kegg Golden farming in back yard System.	Poultry	Live weight (kg/bird) at 3 Month										

Satna	Anthelmintic drug management to minimize the Ecto parasite infestation in heifers.	Dairy	Average Milk yield (Lit/day/animal) in first three month of lactation, B: C ratio.										

3.7 Details of FLDs on Fishery to be implemented during Jan-2022 to Dec-2022

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	2022	Rabi	Nutritional security	Nutritional kitchen garden	All	All vegetables	0.0025								30
Satna	2022		Drudgery Reduction	Demonstration of Drudgery Reduction in Potato Chips	Potato										20

Satna	2022			Development of healthy multigrain biscuits from pearl millet and Finger millets	Finger millets										20
Satna	2022			Demonstration on sprouted cowpea feeding to malnourished children	cowpea										20
Satna	2022			Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement	vegetables										20

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	Demonstration of Drudgery Reduction in Potato Chips														

***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
	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
	Demonstration on sprouted cowpea feeding to malnourished children	General diet	General diet+ sprouted cowpea 40 g/day for one month										

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
	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement																		

3.10 Training and Extension activities to be 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	
	Kodo millet	Field days	01	50	
		Farmers Training	01	90	
		Media coverage	01	Mass	
	Maize	Field days	01	50	
		Farmers Training	01	90	
		Media coverage	01	Mass	
Satna	Blackgram	Field days	01	50	
		Farmers Training	01	60	
		Media coverage	01	Mass	
Satna	Sesame	Field days	01	50	
		Farmers Training	01	90	

		Media coverage	01	Mass	
Satna	Wheat	Field days	01	50	
		Farmers Training	01	90	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
	Barley	Field days	01	50	
		Farmers Training	01	90	
		Media coverage	01	Mass	
	Oat	Field days	01	50	
		Farmers Training	01	90	
		Media coverage	01	Mass	
Satna	Chickpea	Field days	01	50	
		Farmers Training	01	90	
		Media coverage	01	Mass	
Satna	Mustard	Field days	01	50	
		Farmers Training	01	30	
		Media coverage	01	Mass	
	Linseed	Field days	01	50	
		Farmers Training	01	30	
		Media coverage	01	Mass	
Satna	Tomato	Field days	01	35	
		Farmers Training	01	70	
		Media coverage	01	Mass	
		Training for extension functionaries	01	40	
Satna	Cabbage & Pea	Field days	01	50	
		Farmers Training	01	30	
		Media coverage	01	Mass	
Satna	Potato	Field days	01	50	
		Farmers Training	01	30	
		Media coverage	01	Mass	
Satna	Okra	Field days	01	50	
		Farmers Training	01	30	
		Media coverage	01	Mass	
Satna	Oyster mushroom	Field days	01	50	
		Farmers Training	01	30	

		Media coverage	01	Mass	

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 to be 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	F &FW/FW	OFC	Crop Production	Weed Management	Integrated weed management practices for Kodo millet	01	02								
Satna	F &FW/FW	OFC	Crop Production	Weed Management	Integrated weed management practices for Chickpea	01	02								
Satna	F &FW/FW	ONC	Crop Production	Resource Conservation Technologies	Improved sowing techniques for enhancing productivity of kharif pulses and oilseed crops	01	02								
Satna	F &FW/FW	OFC	Crop Production	Resource Conservation Technologies	Direct Seeded Rice through drum seeder for minimizing cost of production in Rice	01	02								
Satna	F &FW/FW	OFC	Crop Production	Resource Conservation Technologies	Zero tillage technology of wheat under semi-irrigated condition in rice-wheat cropping sequence	01	02								
Satna	F &FW/FW	ONC	Crop Production	Cropping Systems	Efficient and profitable cropping pattern for rain fed and limited irrigation farming situation	01	02								
Satna	F &FW/FW	ONC	Crop Production	Integrated Farming	Integrated farming system module for improving nutritional and economic security of small and marginal farmers.	01	02								
Satna	F &FW/FW	ONC	Crop Production	Micro irrigation/irrigation	Water saving and micro irrigation technology or Wheat	01	02								
Satna	F &FW/FW	ONC	Crop Production	Integrated Crop Management	Natural Farming practices for minimizing cost of production and higher net return of Mustard	01	02								
Satna	F &FW/FW	ONC	Crop Production	Integrated Crop Management	Summer cultivation of Greengram and Blackgram for crop intensification and soil fertility in rice-wheat cropping system	01	02								
Satna	F &FW/FW	ONC	Crop Production	Integrated Crop Management	Integrated Crop Management Practices in Maize	01	02								
Satna	F &FW/FW	ONC	Crop Production	Soil & water conservation		01	02								
Satna	F &FW/FW	OFC	Crop Production	Integrated nutrient Management	Foliar application technology of Nano fertilizers in Barley and Oats	01	02								
Satna	F &FW/FW		Crop Production	Others(Pl. Specify)		01	02								
Satna	F &FW/FW	ONC	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Profitable cereal and vegetable based cropping patterns for small land holders under irrigated conditions	01	02								
Satna	F &FW/FW	ONC	Horticulture (Vegetable Crops)	Off season vegetables	Planning for year round production of vegetables	01	02								
Satna	F &FW/FW	ONC	Horticulture (Vegetable Crops)	Export potential vegetables	Improved production technology for Leafy coriander and radish .	01	02								
Satna	F &FW/FW	ONC	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Profitable vegetable based cropping patterns for marginal farmers under irrigated conditions	01	02								
Satna	F &FW/FW	ONC	Horticulture(Spices)	Production and Management technology	Improved production and management practices in Zinger and Turmeric.	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
Satna	F &FW/FW	ONC	Horticulture(Spices)	Processing and value addition	Improved cultivation technology for garlic and onion.	01	02								
Satna	F &FW/FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising technique of cucurbitaceous vegetables in poly bags.	01	02								
Satna	F &FW/FW	OFC	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising techniques for Kharif season vegetables.	01	02								
Satna	F &FW/FW	OFC	Horticulture (Vegetable Crops)	Grading and standardization	Improved production technology of cauliflower during rainy season	01	02								
Satna	F &FW/FW	OFC	Horticulture (Vegetable Crops)	Protective cultivation	Foliar application of water soluble nutrients in onion and garlic	01	02								
Satna	F &FW/FW	OFC	Horticulture (Fruits)	Layout and Management of Orchards	Layout, planting technique and moisture conservation methods for planting fruit trees on farm bunds and wastelands	01	02								
Satna	F &FW/FW	OFC	Soil Health and Fertility Management	Soil fertility management	Techniques of improving fertility status of soil	01	02								
Satna	F &FW/FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Foliar application of nutrients in field crops	01	02								
Satna	F &FW/FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Different techniques of composting	01	02								
Satna	F &FW/FW	OFC	Soil Health and Fertility Management	Management of Problematic soils	Reclamation of problematic soils	01	02								
Satna	F &FW/FW	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Foliar application of nutrients in field crops	01	02								
Satna	F &FW/FW	ONC	Soil Health and Fertility Management	Balance Use of fertilizer	Soil Testing through Mini Soil Kit.	01	02								
Satna	F &FW/FW	ONC	Soil Health and Fertility Management	Soil & water testing	Technique of collecting soil sample for testing	01	02								
Satna	F &FW/FW	OFC	Livestock Production and Management	Animal Nutrition Management	Feeding management of pregnant goat	01	02								
Satna	F &FW/FW	ONC	Livestock Production and Management	Animal Nutrition Management	Low cost housing for goat to minimize adverse effect of climate.	01	02								
Satna	F &FW/FW	OFC	Livestock Production and Management	Animal Nutrition Management	Nutrient supplementation in poultry feeding.	01	02								
Satna	F &FW/FW	OFC	Livestock Production and Management	Disease Management	Integrated management of infectious diseases in small animals	01	02								
Satna	F &FW/FW	OFC	Livestock Production and Management	Disease Management	Disease management of dairy animals	01	02								
Satna	F &FW/FW	OFC	Livestock Production and Management	Feed & fodder technologies	Production technology of berseem	01	02								
Satn	F &FW/FW	OFC	Livestock Production and	Feed & fodder technologies	Forage management in lean period	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
a			**Management**												
Satna	**F &FW/FW**	OFC	**Livestock Production and Management**	Feed & fodder technologies	Care and feeding of upgraded progeny of Goat.	01	02								
Satna	**F &FW/FW**	OFC	**Livestock Production and Management**	Feed & fodder technologies	Feeding of pregnant goat	01	02								
Satna	**F &FW/FW**	OFC	**Livestock Production and Management**	Feed & fodder technologies	Forage management in lean period for buffalo.	01	02								
Satna	**F &FW/FW**	OFC	**Livestock Production and Management**	Others (Animal Health Care)	Care and management of newly borne calves in winter season	01	02								
Satna	**F &FW/FW**	OFC	**Livestock Production and Management**	Others (Animal Health Care)	Importance of de- worming and vaccination in goat.	01	02								
Satna	**F &FW/FW**	OFC	**Home Science/Women empowerment**	Household food security by kitchen gardening and nutrition gardening	Nutritional kitchen Garden use and importance	01	01								
Satna	**F &FW/FW**	OFC	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Preparation of balanced diet for farm family through seasonally available local foods	01	01								
Satna	**F &FW/FW**	OFC	**Home Science/Women empowerment**	Designing and development for high nutrient efficiency diet	Design and development of low/minimum cost diet for pregnant women	01	01								
Satna	**F &FW/FW**	OFC	**Home Science/Women empowerment**	Minimization of nutrient loss in processing	Value addition of Ber	01	01								
Satna	**F &FW/FW**	ONC	**Home Science/Women empowerment**	Processing & cooking	Processing of Anola pickles	01	01								
Satna	**F &FW/FW**	ONC	**Home Science/Women empowerment**	Storage loss minimization techniques	Safe storage of food grains	01	01								
Satna	**F &FW/FW**	ONC	**Home Science/Women empowerment**	Value addition	Tomato value addition	01	01								
Satna	**F &FW/FW**	ONC	**Home Science/Women empowerment**	Women and child care	Awareness about health and hygiene	01	01								
Satna	**F &FW/FW**	ONC	**Plant Protection**	Integrated Pest Management	Integrated pest management in kharif pulse crops	01	01								
Satna	**F &FW/FW**	ONC	**Plant Protection**	Integrated Pest Management	Integrated pest management in Rice crop	01	02								
Satna	**F &FW/FW**	ONC	**Plant Protection**	Integrated Disease Management	Integrated Disease management in kharif pulse crops	01	02								
Satna	**F &FW/FW**	ONC	**Plant Protection**	Production of bio control agents and bio pesticides	Preparation of eco friendly bio- pesticides i.e. Neemastra,Bramstra & Aganistra	01	02								
Satna	**F &FW/FW**	ONC	**Plant Protection**	Integrated Pest Management	Integrated pest management in Mustard crop	01	02								
Satna	**F &FW/FW**	ONC	**Plant Protection**	Integrated Pest Management	Method of seed treatment in rabi crops	01	02								
Satna	**F &FW/FW**	OFC	**Plant Protection**	Integrated Pest Management	Plant Protection measures in summer vegetables	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
Satna	F &FW/FW	OFC	Plant Protection	Integrated Disease Management	Management of Bacterial Leaf blight Disease in Rice crop	01	01								
Satna	F &FW/FW	OFC	Plant Protection	Integrated Pest Management	Integrated Pest management in potato	01	01								
Satna	F &FW/FW	OFC	Plant Protection	Integrated Pest Management	Management of red pumpkin beetle and fruit fly in cucurbits	01	01								
Satna	F &FW/FW	OFC	Plant Protection	Integrated Pest Management	Integrated Pest management in onion	01	01								
Satna			Production of Input at site	Seed Production											
Satna			Production of Input at site	Planting material production											
Satna			Production of Input at site	Bio0agents production											
Satna			Production of Input at site	Bio0pesticides production											
Satna			Production of Input at site	Bio0fertilizer production											
Satna			Production of Input at site	Vermi0compost production											
Satna			Production of Input at site	Organic manures production											
Satna			Production of Input at site	Production of fry and fingerlings											
Satna			Production of Input at site	Production of Bee0colonies and wax sheets											
Satna			Production of Input at site	Small tools and implements											
Satna			Production of Input at site	Production of livestock feed and fodder											
Satna			Production of Input at site	Production of Fish feed											
Satna			Production of Input at site	Mushroom production											
Satna			Production of Input at site	Apiculture											
Satna			Production of Input at site	Others (Pl. Specify)											
Satna	F &FW/FW	ONC	Capacity Building and Group Dynamics	Others (Extension Management)	Training program on FPO Formation	1	1								
Satna	F &FW/FW	ONC	Capacity Building and Group Dynamics	Other (Extension Management)	Training program on FIG Formation and Product Marketing	1	1								
Satna	F &FW/FW	ONC	Capacity Building and Group Dynamics	Other (Capacity building (CBD))	Training Program FPO Business orientation &the delivery mechanism	1	1								
Satna	F &FW/FW	ONC	Capacity Building and Group Dynamics	Other (Capacity building (CBD))	Export opportunities in Agriculture Products	1	1								
Satna	F &FW/FW	ONC	Capacity Building and Group Dynamics	Other (Capacity building (CBD))	Management of Equity and other funding for FPO	1	1								
Satna	F &FW/FW	OFC	Capacity Building and Group Dynamics	Other (Extension Management for Marketing Linkage)	Extension Strategies for Management of seed society formulation	1	1								
Satna	F &FW/FW	OFC	Capacity Building and Group Dynamics	Other (Extension Management)	Use of Social Media For Agriculture	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	F &FW/FW	OFC	Capacity Building and Group Dynamics	Other (Capacity building (CBD))	Training programme on FPO Business Management	1	1								
Satna	F &FW/FW	OFC	Capacity Building and Group Dynamics	Other (Extension Management for Marketing Linkage)	Agribusiness Entrepreneurship Opportunities in FPO	1	1								
Satna	F &FW/FW	OFC	Capacity Building and Group Dynamics	Capacity building (CBD)	Branding and publicity of our trade product.	1	1								

Table 5.2. Details of Training Programmes to be 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	Nursery Management of Horticulture crops	Various propagation techniques involved in raising nursery of fruit plants	01	05								
Satna	RY	ONC	Protected cultivation of vegetable crops	Off Season Cultivation of vegetables	01	05								
Satna	RY	ONC	Integrated farming	Integrated farming system module for rural youth	01	05								
Satna	RY	ONC	Seed production	Quality seed production technology in Wheat	01	05								
Satna	RY		Production of organic inputs	Bio-pesticide & Bio-fertilizer Production	01	05								
Satna	RY		Mushroom Production	Mushroom Production.	01	05								
Satna	RY		Value addition	Value addition of Mushroom	01	05								
Satna	RY		Small scale processing	Value addition of ash guard	01	05								
Satna	RY		Post Harvest Technology	Value addition of tomato	01	05								
Satna	RY		Poultry production	Poultry Production and management	01	05								
Satna	RY		Others(Pl. Specify)											

Table 5.3. Details of Training Programmes to be 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	Recent Agronomic Interventions for Kharif field crops	01	02								
Satna	IS	ONC	Productivity enhancement in field crops	Recent Agronomic Interventions for Rabi	01	02								

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
				field crops										
Satna	**IS**	ONC	Integrated Pest Management	identification, diagnosis and management of major insect pest in Kharif crops	01	02								
Satna	**IS**	ONC	Integrated Pest Management	Identification, diagnosis and management of major insect pest in Rabi crops	01	02								
Satna	**IS**	ONC	Rejuvenation of old orchards	Multi storied cropping and intercropping system in Horticultural crops	01	02								
Satna	**IS**	ONC	Protected cultivation technology	Recent technologies in high valued horticultural crops for enhancing farmers income.	01	02								
Satna	**IS**	ONC	Formation and Management of SHGs	Agriculture Extension Approaches for FPO Formation	01	02								
Satna	**IS**	ONC	Capacity building for ICT application	Agriculture Extension Approaches for FIG Formation	01	02								
Satna	**IS**	ONC	Livestock feed and fodder production	Selection, Care and handling of hatching eggs and chicks	01	02								
Satna	**IS**	ONC	Integrated Nutrient management											
Satna	**IS**	ONC	Production and use of organic inputs											
Satna	**IS**	ONC	Care and maintenance of farm machinery and implements											
Satna	**IS**	ONC	Gender mainstreaming through SHGs											
Satna	**IS**	ONC	Women and Child care	Techniques of storing safe drinking water	01	02								
Satna	**IS**	ONC	Low cost and nutrient efficient diet designing	Preparation of weaning food from locally available seasonal foods	01	02								
Satna	**IS**	ONC	Group Dynamics and farmers organization											
Satna	**IS**	ONC	Information networking among farmers											
Satna	**IS**	ONC	Management in farm animals											
Satna	**IS**	ONC	Household food security											
Satna	**IS**	ONC	**Others(Pl. Specify)**											

Table 5.4. Details of Vocational training programmes to be 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

Name of KVK	Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
	Crop production and management	Commercial floriculture													
	Crop production and management	Commercial fruit production													
	Crop production and management	Commercial vegetable production													
	Crop production and management	Integrated crop management													
Satna	**Crop production and management**	Organic farming	Organic crop Production Technology for kodo & Finger Millets	for kodo & Finger Millets	Organic production	01	05								
	Crop production and management	**Others(Pl. Specify)**													
Satna	**Post harvest technology and value addition**	Value addition	Value addion of karonda	karonda		01	05								
Satna	**Post harvest technology and value addition**	**Others(Pl. Specify)**	Value addition of bitter guard	bitter guard		01	05								
	Livestock and fisheries	Dairy farming													
	Livestock and fisheries	Composite fish culture													
	Livestock and fisheries	Sheep and goat rearing													
	Livestock and fisheries	Piggery													
Satna	**Livestock and fisheries**	Poultry farming	Commercial Poultry Farming	Poultry Farming	Poultry farming	1	05								
	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													
Satna	**Income generation activities**	Seed production	Quality Seed Production in Barley & Oats	Barley & Oats	Seed Production	1	05								
	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 training													
	Income generation activities	**Others(Pl. Specify)**													
	Agricultural Extension	Capacity building and													

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
		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			**Agronomy**														
Satna	F &FW		**Crop production and management**	Increasing production and productivity of crops	Climate Resilient Technologies for field crops	01	02										
Satna	F &FW		**Crop production and management**	Increasing production and productivity of crops	Weed management in kharif crops	01	02										
Satna	F &FW		**Crop production and management**	Increasing production and productivity of crops	Irrigation management in Rabi crops	01	02										
Satna	F &FW		**Crop production and management**	Increasing production and productivity of crops	Organic crop production Practices in Kharif crops	01	02										
Satna			**Crop production and management**	Commercial production of vegetables													
Satna			**Post harvest technology and value addition**	Processing and value addition	Value addition of mango	01	02										
			Post harvest technology and value addition	**Others(Pl. Specify)**													
			Farm machinery	Farm machinery, tools and implements													
			Farm machinery	**Others(Pl. Specify)**													
			Livestock and fisheries	Livestock production and management													
			Livestock and fisheries	Animal Nutrition Management													
			Livestock and fisheries	Animal Disease Management													
			Livestock and fisheries	Fisheries Nutrition													
			Livestock and fisheries	Fisheries Management													
			Livestock and fisheries	**Others(Pl. Specify)**													
			Home Science	Household nutritional security													
S			**Home Science**	Economic empowerment of women													
Satna			**Home Science**	Drudgery reduction of women	Value addition of potato												

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		
			Home Science	**Others(Pl. Specify)**													
Satna			**Agricultural Extension**	Capacity Building and Group Dynamics	BODs Training for Implementation FPO	01	02										
Satna			**Agricultural Extension**	**Others(Pl. Specify)**	CEOs Training for Monitoring & Implementation FPO	01	02										
Satna			**Agricultural Extension**	**Others(Pl. Specify)**	Management of Seed and planting materials grower	01	02										

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

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Satna	Poultry Production and management				
Satna	Integrated management of infectious diseases in small animals				
Satna	Disease management of dairy animals				
Satna	Production technology of berseem				
Satna	Forage management in lean period				
Satna	Care and feeding of upgraded progeny of Goat.				
Satna	Forage management in lean period for buffalo.				

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

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

Satna	Model and implementation of Rainwater Harvesting plan	Rain Water harvesting	Rain Water harvesting	FW/IS	1	1										
Satna	Model and implementation Vermi/ NADEP Compost Pit	Capacity building (CBD)	Swachhata Hi Sewa	FW/IS	1	1										

Table 5.8 Subject area wise details of women farmer specific training programmes to be organized by KVKs during Jan-Dec-2022

Area of Training	Jan-Dec-2022	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	01	25
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
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 to be organized by KVKs during Jan-Dec-2022

Area of Training	Jan-Dec-2022	
	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			

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												
	Awareness programme	4												
Satna	Celebration of important days	12												
	Diagnostic visits	96												
Satna	Exhibition	6												
	Exposure visits	2												
Satna	Ex-trainees Sammelan	1												
	Farm advisory Services	200												
Satna	Farmers visit to KVK	10000												
	Field Day	20												
Satna	Group meetings	10												
	Kisan Ghosthi/Sammelan	30												
Satna	Kisan Mela	2												
	Krishi Mahotsav	1												
Satna	Lectures delivered as resource persons	24												
	Mahila Mandals conveners meetings	1												
Satna	Method Demonstrations	24												
	Pradhanmantri phasal beema yojana	1												
Satna	Scientific visit to farmers field	96												
	Self Help Group conveners meetings	2												
Satna	Soil health Camp	4												
	Soil test campaigns	3												
Satna	Radio talks	1												
	Extension literature	5												

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	TV talks	20												
	Newspaper coverage	5												
Satna	Film Show	40												
	Others	60												
		2												

Mass media to be used for wide publicity

Name of media	Number of events (Targeted)	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. Production and supply of Technological products

7.1 SEED production

KVK Name	Crop Category	Name of Crop	Name of Variety (pl. give the name instead of local)	Quantity (qt.)/No.	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	0.050	10000	400	
Satna		Turmeric	Pant Pitambh, Shoruma , Barua Sagar	4	10000	100	
Satna		Zinger	Suruchi	0.5	20000	20	
Satna		Coriander	Pant Haritima	1.0	8000	50	
Satna		Fenugreek	Pusa Early Bunching	0.25	2500	50	
Satna		Garlic	G-282,G-323	2.0	16000	50	
Satna	Floriculture	Marigold	Pusa Basanti & Pusa Narangi	0.05	1000.00	200	
Satna	Vegetables	Tomato	Kashi Aman,	0.05	9000	160	
Satna		Brinjal	Kashi Taru,.NB5	0.05	3600	40	
Satna		Okra	Kashi Vibhuti, Azad-1	0.50	5000	50	
Satna		Cowpea	Kashi Unnati	0.15	13000	25	
Satna		Spinach	All green	0.25	1000	50	
Satna		Radish	Japanese white/VRR-1	0.05	800	40	
Satna		Onion	Agri Found Light Red	0.50	50000	50	
Satna		Pea	Kashi unnati	0.50	10000	10	
Satna		Pumpkin	Azad Harit	0.02	1200	60	
Satna		Sponge gourd	S-1	0.02	500	26	

Satna		Bottlegourd	Pusa naveen	0.02	2000	26	
Satna		Bittergourd	Kashi Harit	0.02	2000	20	
Satna		Tomato	Kashi Aman	100000	30000	2500	
Satna		Brinjal	Kashi Taru, NB-5	40000	6000	1400	
Satna		Chillies	Kashi Anmol	50000	6000	2000	
Satna		Cabbage	Golden Acre, Mukta	6000	1800	100	
Satna		Cauliflower	Pusa Shubra, Snowball-16	10000	3000	100	
Satna		Broccoli	Fiasta	2000	600	20	
Satna		Red Cabbage	Primro	1500	450	24	
Satna		Onion	Agri Found Light Red	250000	4000	50	
Satna		Capsicum	California wonder	500	1600	03	

7.2 Planting Materials 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	Harr		200	2000	100	
Satna		Bahera		200	2000	100	
Satna		Chironji		2000	40000	200	
Satna		Sagon		500	5000	500	
Satna		Shisham		500	5000	100	
Satna		Tendu		500	5000	100	
Satna		Kaintha		500	5000	100	
Satna		Bamboo		500	5000	100	
Satna		Arjun		500	5000	100	
Satna		Mahua		500	5000	100	
Satna	Fruits	Mango Budded	Dushehari, langra, Amarpali	200	8000	40	
Satna		Mango Seedling	Seedling	500	5000	0	
Satna		Aonla Budded	NA-7 & NA-6	500	16000	100	
Satna		Aonla seedling	Seedling	1500	50000	160	
Satna		Karounda seedling	Pant Manohar, Pant Swarna	1200	20000	160	
Satna		Lemon Budded	Sweet Lime	500	5000	50	

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		Lemon seedling	Kagzi	500	2500	100	
Satna		Papaya ssedling	Coorg Honey Dew	1500	8000	200	
Satna		Guava budded	Apple colour and Allahabadi Safeda	200	12000	300	
Satna		Guava seedlings	Apple colour and Allahabadi Safeda	2000	12000	500	
Satna		Pomegrannate	Bhagua	500	10000	100	
Satna		Custard Apple	Dharur-6	500	2500	200	
Satna		Jack fruit	Khwaja	200	1000	60	
Satna		Jackfruit	Khwaja	200	4500	50	
Satna		Munga(Morringa)	PKM-2	500	5000	100	
Satna		Passion fruit		300	7500	25	
Satna	Ornamental crops	Manokamani		150	2500	100	
Satna		Chandani		200	2000	50	
Satna		Chameli		150	1600	50	
Satna		Gurhal		250	1000	50	
Satna		Ficus		200	1000	50	
Satna		Croton		100	500	50	
Satna		Bottle palm		50	500	50	
Satna		Arecapalm		50	1000	25	
Satna		Coleus		400	8000	200	
Satna		Morpankhi		200	4000	100	
Satna		Rose		200	1000	50	

7.3 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
Satna	**Bio Fertilizers**	Non Symbiotic Azotobacter					

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
Satna		Vermicompost	2000 kg				
Satna		Azolla					
Satna		Earthworms	50 kg				
Satna		Compost	1000 kg				
Satna		Blue green algae					
Satna		NADEP	500 kg				
Satna		Sanjeewani Khad					
Satna		Acetobactor					
Satna		Aspergillius					
Satna		Azatobactor					
Satna		Azospirillum					
Satna		Phosphate solublizing Bacteria					
Satna		Rhizobium					
Satna		Other (pl. sp.)					
Satna	**Bio-Food**	Spirulina					
Satna		Honey					
Satna		Any Other (pl. sp.)					
Satna	**Bio Pesticides**	Neem extract	1500 litre				
Satna		Neem powder	100 kg				
Satna		Tobacco extract	-				
Satna		Trichoderma viride	50 kg				
Satna		Trichoderma harjinum	-				
Satna		Trichogramma chilonis	-				
Satna		Beauveria bassiana	**200 litre**				
Satna		Metarhizium anisopliae	-				
Satna		Pseudomonas fluorescens	50 kg				
Satna		SlNPV	-				
Satna		HaNPV	-				

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
Satna		GF1	-				
Satna		Baco Lures	-				
Satna		Heli Lures					
Satna		Leucin Lures	-				
Satna		Paeciliomyces					
Satna		Panchagavya	25 litre				
Satna		Verticillium					
Satna	**Bio Agents (Tricho card)**	Trichogramma chilonis					
Satna		Chrysoperla carnea					
Satna		Tricho card					
Satna		Any other **(Pl. Specify)**					
Satna	**Bio Agents (Pyrilla parasitoids)**	Ooincirtus papilionis					
Satna		Epiricania melanolauca					
Satna	**Bio Agents(Worms)**	Assinia foetida					
Satna		Eudrilus eugeniae					
Satna		Euclnia Uginae					
Satna		Eisenia foetida					
Satna		Earth worm					
Satna		Any other **(pl. specify)**					
Satna	**Others**	Mushroom spawn	450 kg				
Satna		Mineral Mixture					
Satna		Cow dung (dry)					
Satna		Fresh mushroom	3.5 kg				
Satna		Neemastra	1000 litre				
Satna		Bramastra	1000 litr				
Satna		Aganiastra	1000 litre				
Satna		Liquate jeevamrit	500 litre				
Satna		Ghanjeevamrit	1000 kg				

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
Satna		Beejamrit	250 litre				

7.4 Livestock and fisheries production

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					Unit of Quantity (kg/qt./liter/no)	Qty.		
	Dairy animals	Cow						
		Calves						
		Goats						
		Buffaloes						
		Sheep						
		Breeding bull						
		Other **(pl specify)**						
	Poultry	Poultry						
		Japanese quail						
		Japanese quail eggs						
		Ducks						
		Turkey						
		Other						
	Piggery	Piglets						
		Boar						
		Sow						
		Other **(pl specify)**						
	Fisheries	Indian carp						
		Exotic carp						
		Other **(pl specify)**						

8. Activities of Soil and Water Testing Laboratory

8.1 Details of soil samples to be analyzed during Jan to Dec. 2022 :

KVK Name	Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No. of Samples to be analyzed by KVKs		No. of Villages covered	Soil health card to be distributed to the farmers by KVK (Nos)	
		Sanctioned	Procured	Mini Soil Testing kit	Soil testing laboratory		Through Mini Soil Testing kit	Through Soil testing laboratory

8.2 Details of water samples to be analyzed so far :

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

9. Details of SAC Meeting -Jan to Dec. 2022

KVK Name	Date of SAC meeting 2022	No. of SAC members (only) attended	Major action points*
Satna	26.05.2022		

10. 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
Satna	1	Crop Management	Crop Production Technology	40	20			
			Integrated Farming	40	20			
			Field Preparation	40	20			
			Any Other (Specify)	40	20			
	2	Weather	Advisory	40	20			
			Change in variety	40	20			
			Change in Sowing technique	40	20			

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
			Climate forecast	40	20			
			Any Other (Specify)	40	20			
	3	Soil Management	Soil Testing	40	20			
			INM					
			Fertilizer Application	40	20			
			Vermicomposting/ bio-waste recycling	40	30			
			Bio-fertilizer	40	20			
			Any Other (Specify)	40	20			
	4	Disease & Pest Management	Disease Management	60	40			
			Pest Management	50	40			
			Preventive Advisory Disease Management	30	20			
			Preventive Advisory Pest Management	30	20			
			Bio-pesticides	40	20			
			Any Other (Specify)	30	20			
	5	Nutrition Security & Women Empowerment	Nutrition Awareness	50	20			
			Kitchen garden	60	20			
			Value Addition and Processing	40	20			
			Drudgery Reduction					
			Entrepreneurship & Income Generation	60	20			
			Advisory	60	20			
			Any Other (Specify)	20	20			
	6	Horticulture	Vegetable	70	40			
			Fruit	40	40			
			Hi Tech Horticulture	40	20			
			Any Other (Specify)	50	20			
	7	Livestock	Feed and Fodder	40	10			
			Dairy Management	50	10			
			Fisheries	10	-			

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
			Poultry Management	60	20			
			Vaccination & Disease management	60	20			
			Any Other(Specify)	20	20			
	8	Farm Mechanization		40	10			
	9	Extension		60	60			
	10	Organic Farming		60	40			
	11	Marketing		30	10			
	12	Awareness		50	40			
	13	Other Enterprise		20	20			
	14	Any Other(Specify)		40				

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

KVK 2Name	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*

12. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Satna	Gosthies	02	60	
Satna	Lectures organized	03	60	
Satna	Exhibition	01	Mass	
Satna	Film show	04	120	
Satna	Fair	01		
Satna	Farm/ Field Visit	04	30	
Satna	Diagnostic Practices	06	30	
Satna	Distribution of Literature (No.)	04	Mass	
Satna	Distribution of Seed (q)	0.04	200	
Satna	Distribution of Planting materials (No.)	10000	300	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Satna	Bio Product distribution (Kg)	02	40	
Satna	Distribution of Bio Fertilizers (q)	02	40	
Satna	Distribution of fingerlings	5000		
Satna	Distribution of Livestock specimen (No.)			
Satna	Total number of farmers visited the technology week	04		
Satna	Animal health camp	02	150	
Satna	Awareness programme	06	Mass	
Satna	Demonstration			
Satna	Exposure visit	02		
Satna	Ex-trainees Meet	01		
Satna	Farmer scientist interaction	01		
Satna	Farmers Training	02		
Satna	Gajarghans Unmulan Pakhwada	01		
Satna	Group Meeting	02	Mass	
Satna	Jai Kisan Jai Vigyan Sangoshthi	02	150	
Satna	Plant Protection Week	01	150	
Satna	Seed treatment campaign	03	120	
Satna	Self Help Group convener meet	0		
Satna	Soil health Camp	01		
Satna	Swachha Bharat Abhiyan	02	Mass	
Satna	Others (Pl. Specify)			

13. Activities proposed in Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village

1. **Technologies to be Demonstrated**

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Direct Seeding of Rice	Rice				
Zero tillage in Wheat	Wheat				
Vermi Composting	Vermicompost				

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

14. Activities proposed in DFI Village

Information about DFI Village

Name of KVK	Block	Name of DFI Village	Total geographical area (ha)	House hold	Population
Satna	**Majhgawan**	**Bhargawan, Motwa**			

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
Satna	Increase in productivity of crops				
Satna	Increase in production of livestock				
Satna	Improvement in efficiency of input use (cost saving)	**Assessment of Direct Seeded Rice through drum seeder for minimizing cost of production in Rice**	5	2	5
Satna	Increase in crop intensity				
Satna	Diversification towards high value crops				
Satna	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
Satna	Increase in productivity of crops				
Satna	Increase in production of livestock				
Satna	Improvement in efficiency of input use (cost saving)				
Satna	Increase in crop intensity				
Satna	Diversification towards high value crops				
Satna	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	
Satna												

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	
Satna	Awareness programme	03									
Satna	Celebration of important days	02									
Satna	Diagnostic visits	03									
Satna	Field Day	03									
Satna	Group meetings	04									
Satna	Kisan Ghosthi/Sammelan	05									
Satna	Pradhanmantri phasal beema yojana	1									
Satna	Scientific visit to farmers field	10									
Satna	Soil health Camp	01									
Satna	Extension literature	04									
Satna	Film Show	02									

15. 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) (m2)				
Satna	Bio-fortified Crops (activity in no. of Unit) (ha)	Assessment of nutri-cereal (DWB 187) for enhancing nutritional value of farm family.	2	1 ha	5
Satna	Value addition (activity in no. of Unit/Enterprise)				
Satna	Other Enterprises (activity in no. of Unit/Enterprise)	Assessment of green leafy vegetable with multigrain flour chapati for improvement of hemoglobin levels in farmwomen	3		10
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	Thematic area	Name of Intervention	No. of Activity	Area	No. of

KVK					beneficiaries
Satna	Nutritional Garden (activity in no. of Unit) (m2)	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement	2		30
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	Nutritional kitchen Garden use and importance	01	01									20
Satna	Preparation of balanced diet for farm family through seasonally available local foods	01	01									20
Satna	Design and development of low/minimum cost diet for pregnant women	01	01									20
Satna	Processing of Anola pickles	01	01									20
Satna	Safe storage of food grains	01	01									20
Satna	Tomato value addition	01	01									20
Satna	Awareness about health and hygiene	01	01									20

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	Awareness programme	03									
Satna	Celebration of important days	02									
Satna	Diagnostic visits	03									
Satna	Field Day	03									
Satna	Group meetings	04									
Satna	Kisan Ghosthi/Sammelan	05									
Satna	Pradhanmantri phasal beema yojana	1									

Satna	Scientific visit to farmers field	10									
Satna	Soil health Camp	01									
Satna	Extension literature	04									
Satna	Film Show	02									