ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2023

(January 2023 to December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
	Office	FAX		
Krishi Vigyan Kendra, Lakhandur Road,Sakoli, Distt. Bhandara(MS) 441 802	07186-295018	--	kvkbhandara@gmail.com	www.kvksakoli.pdkv.ac.in

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail	Website address
	Office	FAX		
Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	0724 -2258200 to 2258217	0724-2258219,2259248	vc@pdkv.ac.in	www.pdkv.ac.in

1.3. Name of the Senior Scientist and Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Usha R. Dongarwar	07186/295018	9403617113	udongarwar@gmail.com

1.4. Year of sanction: 17 March, 2002

1.5. Staff Position (as on December, 2023)

					If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	Current Pay Band	Current Grade Pay	Date of joining	
1.	Senior Scientist and Head	Dr. Usha. R. Dongarwar	9403617113	Agronomy	37400-67000	59220+ 10000 GP	02.09.2021	-
2.	Subject Matter Specialist	Shri.P.P.Parwate	7588191560	Extension Education	15600-39100	17550+ 5400 GP	17.09.2016	-
3.	Subject Matter Specialist	Shri Y.R.Mahalle	9326279798	Agril. Engineering	15600-39100	17550+ 5400 GP	23.09.2016	-
4.	Subject Matter Specialist	Dr.P.B.Khirari	9172151025	ASDS	15600-39100	17550+	28.09.2016	-

						5400 GP		
5.	Subject Matter Specialist	Dr. P.S. Umbarkar	9421138936	Plant Protection	15600-39100	17550+ 5400 GP	16.12.2021	-
6.	Subject Matter Specialist	Mrs. Kanchan Tayade	Horticulture	15600-39100	15600-39100	17550+ 5400 GP	11.08.2022-	-
7.	Subject Matter Specialist	Vacant	-	Home Science	-	-	-	-
8.	Programme Assistant	Vacant	-	Lab Technician	-	-	-	-
9.	Computer Programmer	Shri. K.S.Gaikwad	9511674992	Computer Science	9300-34800	10560+ 4200 GP	19.08.2016	-
10.	Farm Manager	Vacant	-	-	-	-	-	-
11.	Accountant/Superintendent	Vacant	-	-	-	-	-	-
12.	Stenographer	Shri.G.B. Gavate	7756891949	BA	7510-20200	20200+2400 GP	10.10.2022	-
13.	Driver 1	Shri.M.P.Sukhdeve	7286616660	HSC	5200-20200	7250+2000 GP	10.10.2016	-
14.	Driver 2	Vacant		-	-	-	-	-
15.	Supporting staff 1	Miss A. R. Idhole	7796789987	BA	5200-20200	5410+1800 GP	29.10.2018	-
16.	Supporting staff 2	Shri. N. G. Dongare	9702709933	BA	5200-20200	5410+1800 GP	04.10.2018	-

1.6. Total land with KVK (in ha) : 17.30 ha

S. No.	Item	Area (ha)
1.	Under Buildings	4.0
2.	Under Demonstration Units	1.0
3.	Under Crops	11.60
4.	Horticulture	0.15
5.	Pond	0.30
6.	Others if any	0.25

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	--	Not available. working in university old building	--	-- --	Not available. working in university old building	--	--
2.	Farmers Hostel	--	Not available	--		Not available	--	--
3.	Staff Quarters	--	Not available	--	--	Not available	--	--
4.	Fencing		Only one side , 600 mt	--	--	Only one side , 600 mt	--	--
5	Rain Water harvesting system	--	--	--	--	--	--	--
6	Threshing floor	--	Not available	--	--	Not available	--	--
7	Farm godown	--	Not available	--	--	Not available	--	--
8	Soil and water testing lab	--	Available	--	--	--	--	--
9	Mini soil testing Kit	--	Available	--	--	--	--	--
10	Sell Contour	--	Available	--	--	2022	--	--
11	Demo unit	--	Not available	--	--	Not available		
12	ICT lab	--	Not available	--	--	Not available	--	--
13	Solar Panel	--	Not available	--	--	Not available	--	--
14	Other pl mention	--	Not available	--	--	Not available	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor MH- 36- 6201	2002	3,69,965	632	Not Working
LMV- Tata Sumo /MH36/4636	2004	3,69,045	2,34,949	Not Working
Mobile Soil Testing Lab MH36/2167	2012	3500000	28,760	Working
Mobile Soil Testing Lab MH36/2168	2012	3500000	44,613	Working
Tractor MH-36 2556	2012	5,00,000	1755.8	Working
Mahindra Bolero/ MH-36Z-8615	2019	8,00,000	79,318	Working

C) Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Cultivator (Tractor operated)	5.12.2002	12,500	Working
Multicrop Thresher	26.3.2003	13,950	Not Working
Chaff Cutter 2 Hp	26.3.2003	10,925	Working
Groundnut Decorticator	26.3.2003	5,132	Working
Krushivator	26.3.2003	63,280	Not Working
Honda Genset	31.3.2004	55,597	Not Working
United Genset	2009	247000	Not Working
Tractor trailer	2009	125030	Working
Seed cum fertilizer Drill	2009	42,456	Not Working
Reaper	2009	83574	Not Working
Petro kerosene 2HP Engine	2009	14606	Not Working
5 HP Electric Pump	2009	16520	Stolen
Mould Board Plough	2009	23681	Working
Pankaj Puddler	2009	6600	Not Working
HDPE Pipes	2009	42735	Working
Zero Till Drill	2012	--	Not Working
BBF Planter	2012	--	Not Working
Rain Gun	2012	--	Working
Rice Grain Planter	2012	85000	Working
Power Weeder (2)	2012	88000	Not Working
Brush cutter	2017	48OOO	Working
A.V. Aids			
LCD	31.3.2004	1,07,000	Working
Digital Camera	31.3.2004	21,900	Working
Video Camera (Sony)	27.3.2006	35,000	Working
Onida CTV 29'' Oxy Thunder	27.3.2006	25,490	Working
Onida DVD Player	27.3.2006	4,490	Working
Public Address System	31.3.2004	26,480	Working
Canaon Xerox machine	28-3-2017	68,093	Working
DELL Laptop	31-03-2017	26,000	Working
Water Cooler	27.07.2019	76000	Working
CCTV	26.07.2019	28170	Working
Conon-G3010 Printer	24.07.2019	12500	Working
Dell Laptop (Inspiron 3584)	03.02.2020	38500	Working
Conon-MF 241 D	03.02.2020	21000	Working

1.8. Details SAC meeting conducted in the year : 2023

Date	Name and Designation of Participants	Salient Recommendations	Action taken
05.02.2024	Hon. Dr. S.R. Gadakh, Vice Chancellor, Dr.PDKV, Akola, Hon. Dr. D.B. Undirwade, Directors of Extension Education, Dr.PDKV, Akola,	• Each SMS should publish 12 popular articles in a year • Establish demo unit at KVK	Action will be taken

2. DETAILS OF DISTRICT

2.1. Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Rice based farming system (Rice-Animal husbandry, Vegetables, Fishery)
2	Rice based farming system (Rice- Vegetables)

2.2. Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	Rice –Pulses sub zone	Annual precipitation 1400-1650 mm
2	Rice –Rabi sorghumsub zone	1250-1400 mm
3	Multi crop rabi dominated sub zone	1250-1300 mm

b)Topography

S. No.	Agro ecological situation	Characteristics
1	Rice –Pulses sub zone	Annual precipitation 1400-1650 mm
2	Rice –Rabi sorghumsub zone	1250-1400 mm
3	Multi crop rabi dominated sub zone	1250-1300 mm

2.3 Soil Types

S. No.	Soil type	Characteristics	Area in ha
1	Entisols (Shallow soil)	Gray in colour, Depth - 7.5 CM, pH- 7-8, well-drained, WHC less, Very low in org. C, avail. N & P & medium in avail. K. Suitable for forest plant like Neem, Subabhul, Eucalyptus, Bamboo.	3.62 lakh ha.
2	Alfisols (Reddish brown)	pH-6.5-7.5, WHC medium, low in available nutrient. Suitable for rice, teak, bamboo, and eucalyptus etc.	3.37 lakh ha.
3	Inceptisols (Medium deep black)	Depth-25-5 cm, Depth- 7.5-25 cm; pH- 7.5-8.5, well drained, WHC less, Low in organic C, Available N, & P. Available K is very high. Suitable for pulses & oilseeds	2.51 lakh ha.

2.4 Area, Production and Productivity of major crops cultivated in the district (2023)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
	Major Field crops			
1	Paddy	175403	239775	13.67
2	Wheat	19056	19056	10.00
3	**Total Cereals**	**194459**	**258831**	**23.67**
4	Gram	8100	6480	8.00
5	Tur	8200	5059	6.17
6	**Total Pulses**	**16300**	**11539**	**14.17**
7	Linseed	3800	1292	3.40
8	Sesamum	500	174	3.49
9	Soyabean	8061	5844	7.25
10	**Total oilseeds**	**10046**	**6340**	**9.75**
11	Sugarcane	1600	112000	70.00
12	Major Horticultural crops	--	--	--

Source: District agriculture department. Bhandara

2.5. Weather data (2023)

Month	Normal RF(mm)	Normal Rainy days (number)	Temperature 0 C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
Jan-2023	2.50	1	32.8	7	100	15
Feb-2023	0.00	0	35.7	8.4	100	12
March-2023	29.00	4	36.9	15.1	100	15
April 2023	37.50	5	43.3	17.9	100	13
May-2023	42.50	2	42.2	18.4	100	10
June 2023	266.50	6	43.3	22.7	100	9
July 2023	407.50	17	23.6	23.6	100	48
August-2023	152.50	10	34.4	23.6	100	56
Sept-2023	259.50	17	35.5	22.9	100	56
Oct-2023	17.50	1	36.3	15.1	100	28
Nov-2023	12.50	1	33.4	15.2	100	24
Dec-2023	9.50	2	32.2	8.2	100	19
Total	**1237.0**	**66**	**-**	**-**	**-**	**-**

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	39578	237468 Lit.	--
Indigenous	33438	50157 Lit.	--
Buffalo	90161	45122 Lit.	--
Sheep	2684	--	--
Goats	161528	--	--
Pigs	249	--	--
Crossbred	--	--	--
Indigenous	--	--	--
Rabbits	--	--	--
Poultry			
Hens	270259	--	--
Desi	--	--	--
Category	--	Production (Q.)	Productivity
Fish (Reservoir)	--	--	--

2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Sakoli	Sakoli	Parastola, Papada khurd, Mundipar	Paddy, Pigeonpea, Chickpea, Sesame, Dairy ,Poultry, Horticultural crop	Low productivity	Integrated Nutrient Management in all crops, Integrated Pest Management in all crops, Crop diversification, Agri entrepreneurship development, Multi resistant varieties of crops, Lack of knowledge about new technologies
Lakhani	Lakhani	Salebhata, Mundipar	Paddy, Pigeonpea, Chickpea, Sesame, Dairy ,Poultry, Horticultural crop	Low productivity	

2.8. Discipline-wise Priority thrust areas: 2023

Crop/Enterprise	Thrust area
Agronomy/Entomology	Integrated Nutrient Management in all crops
	Integrated Pest Management in all crops
	Crop diversification
	Agri entrepreneurship development
	Lack of irrigation water
	Multi resistant varieties of crops

	Poor economic condition
	Lack of knowledge about new technologies
	Need implements for rabi cultivation
	More pest infestation in kharif paddy
Livestock& Dairy	Needs upgradation of local breeds of cow, buffalo, goat, etc.
	Need Improvement in milk productivity of milch animals.
	Improvement in health of milch animal.
	Need to increase area under forage crop.
	Commercialization of dairy enterprise.
	Reduction in cost of feed through enrichment of poor quality roughages and preparation of own feed mixed.
	Popularization of deworming and vaccination of animal
Horticulture	Improvement in productivity of horticultural crops
	Multiplication of disease free planting material.
	Knowledge about package of practices for vegetable, fruit and flower crops
	Improvement of post harvest handling of horticultural crops
Mechanization	To mechanize seed bed preparation, nursery preparation, Puddling , transplanting, Sowing,intercultural and harvesting operation in paddy cultivation To mechanize seed bed preparation, sowing/planting and harvesting operation in rabi crop cultivation
Soil water conservation	To introduce the soil and water conservation measures for storage and utilization of rain water To introduce low cost technology for Water Recyclng
Drudgery reduction	Promotion of drudgery reducing farm implements for women. Entrepreneurship development in fruit and vegetable processing and mushroom cultivation
Extension Education	Organisation of farmers group and their capacity building
	Promotion of micro financing, linkages with banks
	Market intelligence
	Promotion of agricultural insurance and subsidiary occupations
	TOT for Knowledge dissemination and boosting rate of adoption of improved technology
	Establishment, strengthening and utilization of linkages and Use of ICT
	To introduce the micro irrigation methods (drip/sprinkler irrigation methods)
Family Nutrition	Nutrition education and food security of rural families

3. TECHNICAL ACHIEVEMENTS

3.1. A. Detailsof target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
08	08	104	104	08	08	104	104

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
80	**84**	**1800**	**1973**	**200**	**397**	**15000**	**16933**

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
100	**104.23**	Nil	Nil

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Nil	Nil	Nil	Nil

3.1. B. Operational areas details during- 2023

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Intervention (OFT, FLD, Training, extension activity etc.)*
01	Paddy	Monocropping & Lack of knowledge about IPM	2370	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	OFT, FLD, Training Programme, Method Demonstration
02	Pigonpea	Lack of Knowledge about scientific technology about crop production & Lack of knowledge about IPM	425	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	OFT, FLD, Training Programme, Method Demonstration
03	Chickpea	Lack of Knowledge about scientific technology about crop production & Lack of knowledge about IPM	550	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	OFT, FLD, Training Programme, Method Demonstration
04	Paddy	Farm Mechanization	1750.6	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	OFT, Training Programme, Method Demonstration
05	Chickpea	Farm Mechanization	530.4	Papada Kh.,Parastola,	OFT,TrainingProgramme, Method

				Pindkepar,Regepar,Salebhata	Demonstration
06	Sesame	Farm Mechanization	198.5	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	FLD, Training Programme, Method Demonstration
07	Paddy	Farm Mechanization	1750.6	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	FLD, Training Programme, Method Demonstration
08	Azolla	Low milk production of local cattle	50	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	OFT,Training on cultivation of fodder crops
09	Fodder crop	Less area under fodder crop	12	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	FLD,Training on cultivation of fodder crops
10	Chilli	Locally grown varieties of Chilli are having • Inferior quality of fruits • Susceptible to pest and diseases. • Having low yield.	250 Ha.	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	OFT on Introduction of New varieties of Chilli i.e. Arka Meghana, ArkaKhyati in the district. Training programme on Package of practices in Chilli. .
11	Onion	Locally identified varieties are having less shelf life, inferior quality of bulb and low yield.	150 Ha.	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	FLD on Introduction of New varieties of Onion i.e. Akola Safed in the district. Training on Package of practices in Onion
12	Tomato	Locally grown varieties of Tomato are having • Inferior quality of fruits • Susceptible to pest and diseases. • Having low yield.	150 Ha.	Papada Kh.,Parastola, Pindkepar,Regepar,Salebhata	OFT on Introduction of New varieties of Tomato i.e. Arka Sweta, Arka Rakshaki Training programme on Package of practices in Tomato

* Support with problem-cause and interventions diagram

3.2. Technology Assessment and Refinement(Kharif 2023,Rabi 2022-23, Summer 2023)

A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	02	-	-	-	-	02
Integrated Pest Management	1	-	-	-		-	-	-	-	01
Integrated Crop Management		-		-	-	-	-	-	-	-
Integrated Disease Management	-	-	1	-	-	-	-	-	-	01

Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	01	-	-	-	-	-	-	-	01
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Nutrient management	01	-	-	-	-	-	-	-	-	01
Total	**02**	**01**	**01**	**Nil**	**02**	**Nil**	**Nil**	**Nil**	**Nil**	**06**

A2. Abstract on the number of technologies assessed in respect of livestock enterprises

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	01	-	-	-	-	01
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	01	-	-	-	-	01
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	**02**	**-**	**-**	**-**	**-**	**02**

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal performance	Paddy	Nutrient management in Paddy Variety PDKV-Tilak	15	15	6.00 Ha.
Varietal performance	Chilli	Assessment on high yield hybrid variety of chilli for improvement of yield	13	13	2.80 Ha.
Varietal performance	Tomato	Assessment on disease resistance high yield hybrid variety of tomato for	20	20	2.80 Ha.

		improvement of yield			
Integrated Pest Management					
	Paddy	Management of pest complex of paddy	13	13	5.2 Ha.
Integrated Crop Management	Chickpea	Management of Chickpea Wilt	13	13	5.2 Ha.
	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	Paddy	Assessment of Zero Till drill for sowing of Safflower	13	13	5.2 Ha.
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	**-**	**-**	**87**	**87**	**27.2**

B.2. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Health Management	-	-	-	-
Dairy Management	-	-	-	-
Nutrition management	-	-	-	-

Disease management	-	-	-	-
Dairy Management	Local Cattle	Assessment on effect of feeding of Azolla on milk production of local cattle	13	13
Nutrition management	Buffalo	Assessment on Effect of supplementation of mineral mixture in diet of buffalo	16	16
Processing &Value addition	-	-	-	-
Production and management	-	-	-	-
Composting fish culture	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Fish production	-	-	-	-
Other	-	-	-	-
Total			**29**	**29**

B.3 Technologies assessed under other enterprises

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Mushroom	-	-	-
Apiary	-	-	-
Vermicompost	-	-	-
Tailoring	-	-	-
Nutrition Garden	-	-	-
Nursery Management	-	-	-
Production and Management	-	-	-
Eentrepreneurship development	-	-	-
Engegyconsrvation	-	-	-
storage techniques	-	-	-
House hold food security	-	-	-
organic farming	-	-	-
mechanization	-	-	-
Bee keeping	-	-	-
Seed production	-	-	-
post-harvest management	-	-	-
other	-	-	-

B 4.Technologies assessed under Women empowerment assessment

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Drudgery Reduction	Nil	Nil	Nil
Entrepreneurship development	Nil	Nil	Nil
Health and Nutrition	Nil	Nil	Nil
value addition	Nil	Nil	Nil
Kitchen gardening	Nil	Nil	Nil
nutrition security	Nil	Nil	Nil
other	Nil	Nil	Nil

C1.Results of Technologies Assessed

Results of On Farm Trial (Agronomy)

OFT-1

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Paddy	Rainfed	Imbalance use of fertilizers, Use of private sector varieties, Inappropriate use of weedicide	Nutrient management and IWM in Paddy Variety PDKV-Tilak	15	INM (RDF) + IWM (Application of pre-em Pretilachlor 50 EC @ 0.7 kg a.i per ha.fb Bispyribac sodium @25ga.i per ha at 20 DAS) with improved variety PDKV-Tilak	1) Plant height (cm) 2) No. of effective tillers per plant 3) Panicle length (cm) 4) Grain yield (kg/ha) 5) B:C ratio	1. No. of effective tillers per plant 2.Grain yield (kg/ha) 3.B:C ratio	1. No. of effective tillers per plant 25 to 27 2.Grain yield (kg/ha) 3500 to 4100 3.B:C ratio 2.36	Variety is less suceptible to pest and diesesses atisfactory for yield and eating quality.	Nil	Nil

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Use of Locally available weedicide and Indiscriminate use of fertilizer locally available and private sector varieties i.e. Jai Shree Ram etc	Traditional method	3240	kg/ha	33430	1.88
INM (RDF) + IWM (Application of pre-em Pretilachlor 50 EC @ 0.7 kg a.i per ha.fb Bispyribac sodium @25ga.i per ha at 20 DAS) with improved variety PDKV-Tilak	Recommendation of Dr. PDKV, Akola in 2013-14	4167	kg/ha	52814	2.36

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

1	Title of Technology Assessed	**Nutrient management and IWM in Paddy Variety PDKV-Tilak**
2	Problem Definition	Imbalance use of fertilizers, Use of private sector varieties, Inappropriate use of weedicide
3	Details of technologies selected for assessment	INM (RDF) + IWM (Application of pre-em Pretilachlor 50 EC @ 0.7 kg a.i per ha.fb Bispyribac sodium @25ga.i per ha at 20 DAS) with improved variety PDKV-Tilak
4	Source of technology	Recommendation of Dr. PDKV, Akola in 2013-14
5	Production system and thematic area	Varietal Performance
6	Performance of the Technology with performance indicators	1.Found more No. of effective tillers per plant 25 to 27 in compare to local variety 2.Grain yield 4167(kg/ha) grain yield increased by 28.61 % over local variety 3. B:C ratio 2.36
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Variety is less suceptible to pest and diesesse satisfactory for yield and eating quality.
8	Final recommendation for micro level situation	Nil
9	Constraints identified and feedback for research	Nil
10	Process of farmers participation and their reaction	Training Programme, Method Demonstration

Results of On Farm Trial (Plant Protection)

Results of On Farm Trial -1

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Paddy	Rainfed	Severe infestation of stem borer and BPH	**Management of pest complex of paddy**	13	Chlorantraniliprole 0.4G @ 10 Kg/ha at 30 DAT+ Cartap hydrochloride 50%SP @ 20 g/10 liter of water at 50DAT	Per cent stem borer and BPH per hill	Per cent stem borer in Tech. option 1: 15.50% Per cent stem borer in Tech. option 2: 4.70% BPH per hill in Tech. option 1: 5.66% BPH per hill in Tech. option 2: 0.45	Chlorantraniliprole 0.4G @ 10 Kg/ha at 30 DAT+ Cartap hydrochloride 50%SP @ 20 g/10 liter of water at 50DAT found effective for pest complex of paddy	Effective Technology for the management of pest complex of paddy	--	--

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	--	32.40	Qt/ha	31500	1.88
Technology option 2	Dr.PDKV, Akola	41.67	Qt/ha	52974	2.36

C. 1. Results of Technologies Assessed
Results of On Farm Trial -2

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Chickpea	Rainfed	Severe infestation of Chickpea wilt	Management of Chickpea Wilt	13	Seed treatment of Trichoderma 4 gm/kg seed, Seed treatment of Tebuconazole 5.4% @ 4 ml per 10 kg seed	Per cent wilt, Yield	Per cent wilt in Tech. option 1: 13.40% Per cent wilt in Tech. option 2: 4.5% Per cent wilt in Tech. option 3: 3.20% Yield Tech option 1: 7.50 Qt/ha Yield Tech option 2: 10.23 Qt/ha Yield Tech option 3: 12.29 Qt/ha	Seed treatment of Trichoderma 4 gm/kg seed, Seed treatment of Tebuconazole 5.4% @ 4 ml per 10 kg seed found effective	Effective Technology for the management of Chickpea Wilt	--	--

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	--	7.50	Qt/ha	11600	1.63
Technology option 2	Dr.PDKV, Akola	10.23	Qt/ha	20400	1.99
Technology option 3	Dr.PDKV, Akola	12.29	Qt/ha	29660	2.52

Results of On Farm Trial (AGRIL.ENGINEERING)
OFT -1

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
safflower	Rainfed	Climate change, Maximum labour consumption Labour shortage at peak period, Maximum time consumption	Assessment of zero till seed drill for sowing of safflower	13	To assess zero till seed drill for sowing of safflower	EfectiveField Capacity (ha/h) Field Efficiency (%) Seed required (kg/ha) Time required ha/hr B:C Ratio	0.48 (ha/h) 75(%) 15 kg/ ha 03 hrs 2.13	The cost of operation was reduces Rs3920/- per ha over farmers practice and Seed (05 kg/ha) ,Time (17 hrs/ha) also less than farmers practice	farmers was satisfied with technology and Increase area under of zero till seed drill for sowing of safflower in next year

Contd..

Any refinement needed	Justification for refinement	Technology Assessed	Source of Technology	Production Kg/ha	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14	15	16	17	18
-	-	Broadcasting of safflower seed @ 20 kg/ ha	Traditional method	490	Kg/ha	1890	1.90
-	-	zero till seed drill for sowing of safflower @ 15 kg/ ha	PAU, Ludhiana	630	Kg/ha	5810	2.13

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following detail

1	Title of Technology Assessed	Assessment of zero till seed drill for sowing of safflower
2	Problem Definition	Climate change, Maximum labour consumption. Labour shortage at peak period, Maximum time consumption
3	Details of technologies selected for assessment	To assess the zero till seed drill for sowing of safflower
4	Source of technology	PAU, Ludhiana
5	Production system and thematic area	farm Machanization
6	Performance of the Technology with performance indicators	EffectiveField Capacity (ha/h,) Field Efficiency (%), Seed required (kg/ha),Time required ha/hr,Economics of the OFT
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	farmers was satisfied with technology and Increase area under of zero till seed drill for sowing of safflower in next year
8	Final recommendation for micro level situation	--
9	Constraints identified and feedback for research	--
10	Process of farmers participation and their reaction	Method Demonstration and Possitive Reaction from farmers.

C. 1. Results of Technologies Assessed (AHDS)
Results of On Farm Trial-1

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Buffalo	--	1.Low milk Production in local Buffalo	Assessment on Effect of supplementation of mineral mixture in diet of Buffalo	13	**T_1– Farmers practice** – Feeding of Buffalo by grazing them on available grass **T_2 –Technology assessed** – Supplementation of Mineral Mixture in diet of Buffalo	Milk Yield	8.50 (lit./animal/day) 9.65 (lit./animal/day)	Supplementation of Mineral mixture powder in diet of Buffalo increases 13.52 % milk production than poor quality green roughages used for feeding to animal	Supplementation of mineral mixture in diet of Buffalo better than feeding of Buffalo by grazing them on available grass	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	Traditional method	8.50	(lit./animal/day)	18700	1.53
Technology option 2	GADVASU,Ludhiyana,Punjab	9.65	(lit./animal/day)	23750	1.75

C. 2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details:

1	Title of Technology Assessed	Assessment on Effect of supplementation of mineral mixture in diet of Buffalo
2	Problem Definition	1.Low milk Production in local buffalo
3	Details of technologies selected for assessment	T_1 – Farmers practice – Feeding of Buffalo by grazing them on available grass T_2 –Technology assessed – Supplementation of Mineral Mixture in diet of Buffalo
4	Source of technology	GADVASU,Ludhiyana ,Punjab
5	Production system and thematic area	Lack of knowledge about use of mineral powder in Buffalo diet
6	Performance of the Technology with performance indicators	supplementation of mineral mixture in diet of Buffaloincreases 13.52 % milk production than feeding of Buffalo by grazing them on available grass

7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Supplementation of mineral mixture in diet of Buffalo better than traditional system
8	Final recommendation for micro level situation	--
9	Constraints identified and feedback for research	--
10	Process of farmers participation and their reaction	Supplementation of mineral mixture in diet of Buffalo better than traditional system

Results of On Farm Trial-2

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Milch cow	--	1.Low milk production in local cattle 2.Use of poor quality roughages	Assessment on effect of feeding of Azolla on milk production of local cattle	16	**T_1– Farmers practice** Feeding of paddy straw with grazing **T_2 –Technology assessed** – Supplementation of Azolla in diet of Local cattle	Milk Yield	2.78 (lit./animal/day) 3.24 (lit./animal/day)	Feeding of Azolla to local cattle increases 16.54 % milk production than poor quality green roughages used for feeding to animal	Feeding of Azolla in the diet of local cattle better for milk production than feeding of paddy straw with grazing	-	-

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	Traditional method	2.78	(lit./animal/day)	6010	1.20
Technology option 2	MAFSU,Nagpur	3.24	(lit./animal/day)	11220	1.40

1	Title of Technology Assessed	Assessment on effect of feeding of Azolla on milk production of local cattle
2	Problem Definition	1. Low milk production in local cattle 2. Use of poor quality roughages
3	Details of technologies selected for assessment	**T_1– Farmers practice-**Feeding of paddy straw with grazing **T_2 –Technology assessed** –Feeding of Azolla in diet of Local cattle
4	Source of technology	MAFSU,Nagpur
5	Production system and thematic area	Use of poor quality roughages
6	Performance of the Technology with performance indicators	Feeding of Azolla to local cattle increases 16.54 % milk production than poor quality green roughages used for feeding to animal
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Feeding of Azolla in the diet of local cattle better for milk production than feeding of paddy straw with grazing
8	Final recommendation for micro level situation	--
9	Constraints identified and feedback for research	--
10	Process of farmers participation and their reaction	Feeding of Azolla in the diet of local cattle better for milk production than feeding of paddy straw with grazing

D.2. Details of each On Farm Trial for refinement to be furnished in the following format separately as per the following details:

1. Title of Technology refined
2 Problem Definition
3 Details of technologies selected for refinement
4 Source of technology
5 Production system and thematic area
6 Performance of the Technology with performance indicators
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8 Final recommendation for micro level situation
9 Constraints identified and feedback for research
10 Process of farmers participation and their reaction
11. Good Quality Photo in JPG (separate with proper caption)

Results of On Farm Trial (Horticulture)

C. 1. Results of Technologies Assessed
Results of On Farm Trial -1

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Chilli	Irrigation	Locally and F1 Hybrid varieties are also susceptible to pest and disease	Assessment on high yielding Hybrid variety of chilli for improvement of yield	02	Arka Meghana Arka Sweta	1.No. of Picking per plant 2.Dry Chilli yield (kg/ha) 3.B:C ratio	1.No. of Picking per plant 2.Dry Chilli yield (kg/ha) 3.B:C ratio	1.No. of Picking per plant 2.Dry Chilli yield (kg/ha) 3.B:C ratio	Variety is less susceptible to pest and disease and high yielding quality.	Nil	Nil

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Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	B:C Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	--	80	Qt/ha	155500	2.84
Technology option 2	IIHR Bangalore	105	Qt/ha	228800	3.65
Technology option 3	IIHR Bangalore	112		248700	3.84

C. 2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details:

1	Title of Technology Assessed	Assessment on high yield Hybrid variety of Chilli for improvement of yield
2	Problem Definition	Locally grown varieties of Chilli are having inferior quality of Fruits, Susceptiable to pest and disease and private sector F1 Hybrid are also susceptible to pest and disease and hence results in low yield.
3	Details of technologies selected for assessment	Arka swetha, Arka Meghana high yield hybrid variety.
4	Source of technology	IIHR, Bangalore
5	Production system and thematic area	Varietal Performance
6	Performance of the Technology with performance indicators	
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Variety is less susceptible to pest and disease satisfactory for yield quality.
8	Final recommendation for micro level situation	Nil
9	Constraints identified and feedback for research	Nil
10	Process of farmers participation and their reaction	Training Programme, Method Demonstration

Results of On Farm Trial (Horticulture)
OFT-2

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Tomato	Irrigated	Locally grown varieties of Tomato are having inferior quality of fruits and low yield	Assessment of performance of Tomato disease resistance high yielding varieties of Tomato	13	Arka Samarat Arka Rakshak	1.No. of Picking per plant 2.Tomato yield q/ha) 3.B:C ratio	1.No. of Picking per plant 2. Tomato yield (q/ha) 3.B:C ratio	1.No. of Picking per plant 2. Tomato yield (q/ha) 3.B:C ratio	Variety is less susceptible to pest and disease and high yield quality.	Nil	Nil

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Technology Assessed	**Source of Technology**	**Production**	**Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)**	**Net Return (Profit) in Rs. / unit**	**B:C Ratio**
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	--	190	Qt/ha	149500	2.90
Technology option 2	IIHR Bangalore	250	Qt/ha	220800	3.78
Technology option 3	IIHR Bangalore	305	Qt/ha	262450	4.29

3.3. FRONTLINE DEMONSTRATION

A. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2022 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology

					No. of villages	No. of farmers	Area in ha
01	Pigeonpea	Varietal Performance	Varietal Performance of Pigeonpea Variety BDN-716 and seed treatment with biofertlizer (Rhizobium+ PSB+Trichoderma)	Frontline demonstration	04	15	6.0
02	Safflower	Varietal Performance	Varietal Performance of Safflower Variety AKS-207 and seed treatment with biofertlizer (Azatobactor+ PSB+Trichoderma+chemical fertilizers/ micronutrients spray)	Frontline demonstration	06	15	6.0
03	Paddy	IPM	Spraying of Flonicamid 50 % WG @ 3 gm followed Pymetrozine 50% WG @ 6 gm per 10 liter of water (Management of BPH)	Frontline demonstration	01	13	5.2
04	Pigeonpea	IPDM	Seed treatment of Carboxin + Thiram @ 3 gm and Trichoderma4gm per kg seed (Management of Pigeonpea Wilt)	Frontline demonstration	02	13	5.2
05	Safflower	Farm Mechanization	Use of seed cum fertilizer drill for Sowing of safflower	FrontLine Demonstrations	02	15	6.0
06	Paddy	Farm Mechanization	Use of Rice grain planter of paddy	Front Line Demonstrations	02	15	6.0
07	Local cattle	Fodder Management	Effect of feeding Hybrid Napier fodder crop (Variety-DHN-6) on milk production of cattle	Front Line Demonstrations	02	16	1.6
08	Giriraj Birds	Nutrition Management	Demonstration on supplementation of 3 % linseed oil on the performance of Giriraj poultry birds	Front Line Demonstrations	01	10	0.0
09	Onion	Varietal Performance	Varietal Performance of Onion Variety Akola Safed	Front Line Demonstrations	1	13	5.2

B. Details of FLDs implemented during 2023 (**Kharif 2023,Rabi2022-23, Summer 2023**) (Information is to be furnished in the following **three tables** for **each category**i.e.**cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
01	Paddy	IPM	Spraying of Flonicamid 50 % WG @ 3 gm followed Pymetrozine 50% WG @ 6 gm per 10 liter of water(Management of BPH)	Kharif-2023	5.2	5.2	6	7	13	--
02	Pigeonpea	IPDM	Seed treatment of Carboxin + Thiram @ 3 gm and Trichoderma4gm per kg seed (Management of Pigeonpea Wilt)	Kharif-2023	5.2	5.2	4	9	13	--

03	Pigeonpea	Varietal Performance	Varietal Performance of Pigeonpea Variety BDN-716 and seed treatment with biofertlizer (Rhizobium+ PSB+Trichoderma)	*Kharif -2023*	6	6	03	12	15	Nil
04	Safflower	Varietal Performance	Varietal Performance of Safflower Variety AKS-207 and seed treatment with biofertlizer (Azatobactor+ PSB+Trichoderma+chemical fertilizers/ micronutrients spray)	*Rabi - 2022-23*	6	6	03	12	15	Nil
05	Safflower	Farm Mechanization	Use of seed cum fertilizer drill for Sowing of safflower	*Rabi -2022 23*	06	06	04	11	15	Nil
06	Paddy	Farm Mechanization	Use of Rice Grain Planter for Sowing of Paddy	Kharif-2023	06	06	04	11	15	Nil
07	Local cattle	Feed and fodder	Effect of feeding Hybrid Napier fodder crop (Variety-DHN-6) on milk production of cattle	*Rabi - 2022-23*	1.6	1.6	00	16	16	Nil
08	Giriraj Birds	Poultry Management	Demonstration on supplementation of 3 % linseed oil on the performance of Giriraj poultry birds	Kharif - 2023	--	--	00	10	10	Nil
09	Onion	Varietal Performance	Demonstration on Varietal Performance of Onion Akola Safed	Rabi 2022-23	4.80	4.80	6	7	13	Nil

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	*Kharif* 2023	Rainfed	Clay loam	Low	Low	High	Chickpea	27-30 June,2023	01-08 Nov., 2022	1156.6	47
Paddy	*Kharif* 2023	Rainfed	Clay loam	Low	Low	High	Chickpea	27-30 June,2023	01-08 Nov., 2022	1156.6	47

Chickpea	*Rabi* 2022-23	Protective irrigation	Clay loam	Low	Low	High	Paddy	08-20 Nov., 2023	30 March 2022	1156.6	47
Safflower	*Rabi* 2022-23	Rainfed	Clay loam	Low	Low	High	Paddy	08-20 Nov., 2023	31 March 2022	1156.6	47
Paddy	Kharif 2023	Rainfed	Clay loam	Low	Mediu m	Medium	Paddy	June 2023	Nov. to Dec 2022	1156.6	47
Chickpea	*Rabi* 2022-23	Irrigated	Clay loam	Low	Mediu m	Medium	Paddy	7-19 Nov.2023	10 to 25 March 2022	26.6	02
Redgram	Kharif 2023	Rainfed	Clay loam	Low	Mediu m	HIgh	Paddy	June 2023	March 2022	1156.6	47
Feed and fodder	*Rabi* 2022-23	Rainfed	Clay loam	Low	Mediu m	HIgh	Paddy	Jann to Feb.2023	March /April 2022	1316.1	69

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Incidence of pests was found minimum in recommended technology when applied at ETL than farmer practice
2	use of improved variety gave higher yield than local varieties
3	Onion variety Akola safed is good in terms of yield and quality.
4	Rice varieties recommended for the district yields more, yield increases due to application of fertilizers on soil test basis
5	Due to use of Use of improved variety PDKV -Kanchan ,seed treatment and insecticide yields were higher
6	AKS-207 Safflower yields more

Farmers' reactions on specific technologies

S. No	Feed Back
1	In paddy transplanting done by line sowing at recommended spacing gave more yield than paddy sown by traditional method
2	In Chickpea yield was obtained more when sowing done by recommended spacing than broadcasting method
3	Onion variety Akola safed variety is good for yield and market.
4	Rice varieties recommended for the district yields more, yield increases due to application of fertilizers on soil test basis
5	Due to use of Use of improved variety PDKV -Kanchan ,seed treatment and insecticide yields were higher
6	AKS-207 Safflower yields more

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	04	JanuuaryFebuary,March, November	122	nil
2	Farmers Training	23	June, August, September, October, November	455	Nil
3	Media coverage	18	June, August, September, October, November	--	nil
4	Training for extension functionaries	5	June, August, September, October,November	73	nil

C. Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Groundnut																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sesame																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mustard						5												
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Sunflower																		
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soybean																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Pulses																		
Pigeonpea	IPDM	Seed treatment with combi product of fungicide Carboxin 37.5 + Thiram 37.5 @ 3 gm per kg seed followed by seed treatment with Trichodermaviride @ 4 g/kg seed	BDN 716	13	5.2	8.9	7.9	8.4	6.7	25.37	28750	58800	30050	2.04	26980	46900	19920	1.73
Pigeonpea (NFSM) Kharif 2023	INM	Use of improved Variety- BDN-716, Biomix.	BDN 716	75	30	8.6	6.4	7.5	6.2	20.96	24800	52500	27700	2.11	24500	43400	18900	1.77
Blackgram																		
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Greengram																		
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Chickpea (NFSM) Rabi 2022-23	INM, IPM	Use of improved Variety- PDKV-Kanchan, Biomix	PDKV-Kanchan	75	30	12.6	11.8	12.2	10.2	19.61	25270	25050	59475	1.92	25050	59475	49725	1.81
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Fieldpea																		
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Lentil																		
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Horsegram																		
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
Cereals																			
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Pigeonpea Kharif 2023		Varietal Performance of Pigeonpea Variety BDN-716 and seed treatment with biofertlizer (Rhizobium+ PSB+Trichoderma)	15	6	8.6	6.2	7.4	6.1	21.31	1) Plant height 147.5	1) Plant height 138.5	16750	32930	16180.00	1.97	15855	27145	11290.00	1.71
Rabi 2023 Safflower		Varietal Performance of Safflower Variety AKS-207 and seed treatment with biofertlizer (Azatobactor+ PSB+Trichoderma+chemical fertilizers/ micronutrients spray)	15	6	8.42	6.72	7.57	5.72	32.34	Plant height 81.93	Plant height 76.8	11445	47618.2	36173.20	4.16	9875	32346.25	22471.25	3.28
Paddy	IPM	Spraying of Flonicamid 50 % WG @ 3 gm followed Pymetrozine 50% WG @ 6 gm per 10 liter of water	13	5.2	43.5	36.9	40.2	30.5	31.8	1.4 BPH per hill	8.20 BPH per hill	35100	88440	53340	2.52	35900	67100	31200	1.86

		(Management of BPH)																
Waterlogged Situation																		
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Coarse Rice																		
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Scented Rice																		
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Wheat Timely sown																		
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Wheat Late Sown																		
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Barley																		
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Maize																		
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Amaranth																		
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Millets																		

Jowar																			
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Bajra																			
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Barnyard millet																			
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Finger millet																			
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Vegetables		**Varietal performance of Onion variety Akola Safed**	15	**2.80**	**213.82**	**182.20**	**190.25**	**186.20**	**14.83**	**-**	**-**	**72150**	**213820**	**141670**	**2.96**	**69200**	**186200**	**117000**	**2.69**
Bottlegourd																			
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Bittergourd																			
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Cowpea																			
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Spongegourd																			
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Petha																			
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Tomato																			
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Frenchbean																			
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Capsicum																		
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Chilli																		
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Vegetable																		
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Softgourd																		
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Colocasia (Arvi)																		
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Broccoli																		
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Cucumber																		
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Lettuce																		
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Cabbage																		
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Cauliflower																		
Elephant fruit																		
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Flower crops																		
Marigold																		
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Bela																		
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Tuberose																		
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Gladiolus																		
Fruit crops																		
Mango																		
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Strawberry																		
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Guava																		
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Banana																		
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Papaya																		
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Muskmelon																		
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Watermelon																		
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Spices & condiments																			
Ginger																			
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Garlic																			
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Turmeric																			
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Commercial Crops																			
Sugarcane																			
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Potato																			
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Medicinal & aromatic plants																			
Mentholment																			
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Kalmegh																			
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Ashwagandha																			
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Fodder Crops																			
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Cowpea (F)																			
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Maize (F)																			
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Lucern																			
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Berseem																			
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Oat (F)																			
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Frontline Demonstration on Nutri cereals

Crop	Thematic Area	Technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Local Cattle	Feed and fodder	Effect of feeding Hybrid Napier fodder crop (Variety-DHN-6) on milk production of cattle	16	16	3.45	3.04	13.49	--	--	34700	52400	17700	1.51	40100	44800	4700	1.117206
Buffalo																	
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Buffalo Calf																		
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Dairy																		
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Poultry																		
Kaweri Birds	Poultry Management	Demonstration on supplementation of 3 % linseed oil on the performance of Giriraj poultry birds	10	100	1.06	0.94	12.77	--	--	20000	35000	15000	1.75	15000	22000	7000	1.466667
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Sheep & Goat																		
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Vaccination																		
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
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Composite fish culture																	
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Feed Management																	
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oyster Mushroom																
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Button Mushroom																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize Sheller																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Value Addition																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermi Compost																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Rice Grain planter	Paddy	Use of Ricegrain planterfor sowing paddy crop	15	6	Labor reduction (man days) Cost reduction (Rs./ha or Rs./Unit etc.)	3	18	The Save the Cost of operation and labour was reduce 16 man/hr over farmers practice	-	15	-	15	-	7390/- Rs/ha		
Seed cum Fertilizer Drill	Safflower	Use of improved variety with Seed cum Fertilizer Drill	15	06	Labor reduction (man days) Cost reduction (Rs./ha or Rs./Unit etc.)	1.5	10	The Save the Cost of operation and labour was over farmers practice.	-	6.5	-	6.5	-	6500/- Rs/ha	-	-

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Demonstration details on crop hybrids

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average						
Oilseed crop													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulse crop													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cereal crop													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetable crop													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit crop													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (specify)													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Remove the Enterprises/crops which have not been show

3.4. Training Programmes**(Online programmes if any should be included under On Campus category)**

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	3	63	55	118	2	3	5	65	58	123
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	4	123	153	276	11	3	14	134	156	290
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	5	223	173	396	7	5	12	230	178	408
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**12**	**409**	**381**	**790**	**20**	**11**	**31**	**429**	**392**	**821**
II Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	2	15	15	30	0	0	0	15	15	30
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Fertilizer Management	-	-	-	-	-	-	-	-	-	-
Processing of Vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
Total (a)	**2**	**15**	**15**	**30**	**0**	**0**	**0**	**15**	**15**	**30**
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (b)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-

Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	2	30	10	40	5	5	10	35	15	50
Others (pl specify)										
Total	**2**	**30**	**10**	**40**	**5**	**5**	**10**	**35**	**15**	**50**
IV Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Livestock production and management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	1	26	22	48	6	4	10	32	26	58
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-
Feed & fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	1	26	22	48	6	4	10	32	26	58
V Home Science/Women empowerment	-	-	-	-	-	-	-			
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm Machinary and its maintenance	03	60	10	70	10	05	10	95	15	80
Installation and maintenance of micro irrigation systems	02	30	06	36	20	00	4	50	08	40
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	02	93	10	70	05	02	10	65	15	80
Small scale processing and value addition	01	30	06	36	15	20	4	32	08	40
Post Harvest Technology										
Care and maintenance of farm machinery and implements	02	40	20	60	10	02	12	50	32	82

Others (pl specify)										
Total	**10**	**233**	**36**	**236**	**50**	**27**	**77**	**293**	**104**	**397**
VII Plant Protection										
Integrated Pest Management	13	215	125	340	37	29	66	252	154	406
Integrated Disease Management	1	30	20	50	5	5	10	35	25	60
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	03	174	67	241	49	25	74	223	92	315
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	**17**	**419**	**212**	**631**	**91**	**59**	**150**	**510**	**271**	**781**
VIII Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
X CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development										
Group dynamics	6	125	99	224	9	7	16	134	106	240
Capacity building for ICT application	4	75	25	100	5	5	10	80	30	110
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	--	--	--	--	--	--	--	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**10**	**200**	**124**	**324**	**14**	**12**	**26**	**214**	**136**	**350**
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**53**	**1306**	**778**	**2051**	**180**	**114**	**294**	**1496**	**933**	**2429**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	1	25	10	35	1	0	1	26	10	36
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	2	45	38	83	3	1	4	48	39	87
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	3	75	55	130	3	1	4	78	56	134
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Total	**6**	**145**	**103**	**248**	**7**	**2**	**9**	**152**	**105**	**257**
II Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	2	15	15	30	0	0	0	15	15	30
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Value Addition in Lime	-	-	-	-	-	-	-	-	-	-
Propagation Techniques in Fruit crops	-	-	-	-	-	-	-	-	-	-
Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
Total (a)	-	-	-	-	-	-	-	-	-	-
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (b)	**2**	**15**	**15**	**30**	**0**	**0**	**0**	**15**	**15**	**30**
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-

Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	2	30	10	40	5	5	10	35	15	50
Others (pl specify)										
Total	**2**	**30**	**10**	**40**	**5**	**5**	**10**	**35**	**15**	**50**
IV Livestock Production and Management										
Livestock production and management	2	43	0	43	8	0	8	51	0	51
Feed & fodder technology	1	40	1	41	4	1	5	44	2	46
Dairy Management	1	11	2	13	0	0	0	11	2	13
Animal Nutrition Management	1	1	4	5	4	2	6	5	6	11
Vermi-compost production	2	13	6	19	5	0	5	18	6	24
Feed & fodder technology	1	16	2	18	1	2	3	17	4	21
Animal Nutrition Management	1	12	1	13	0	0	0	12	1	13
Importance of Animal Husbandry in agriculture	-	-	-	-	-	-	-	-	-	-
Total	**9**	**136**	**16**	**152**	**22**	**5**	**27**	**158**	**21**	**179**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm Machinary and its maintenance	02	30	20	50	01	01	02	31	21	52
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	02	40	10	50	00	00	00	40	10	50
Small scale processing and value addition	02	60	20	80	05	05	10	65	25	90
Post Harvest Technology										
Others (pl specify) Drugary Reduction	02	30	12	42	01	01	02	31	13	44
Total	**08**	**160**	**62**	**222**	**54**	**25**	**79**	**214**	**87**	**301**
VII Plant Protection										
Integrated Pest Management	16	248	132	380	48	34	82	296	166	462

Integrated Disease Management	2	39	27	66	14	10	24	53	37	90
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**18**	**287**	**159**	**446**	**62**	**44**	**106**	**349**	**203**	**552**
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
X Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	2	20	30	50	2	3	5	22	33	55
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	3	40	15	55	4	4	8	44	19	63
Total	**5**	**60**	**45**	**105**	**6**	**7**	**13**	**66**	**52**	**118**
XI Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**50**	**833**	**410**	**1243**	**156**	**88**	**244**	**989**	**498**	**1487**

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	4	88	65	153	3	3	6	91	68	159
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	6	168	191	359	14	4	18	182	195	377
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	8	298	228	526	10	6	16	308	234	542
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Total	**18**	**554**	**484**	**1038**	**27**	**13**	**40**	**581**	**497**	**1078**
II Horticulture										
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high valume crops	-	-	-	-	-	-	-	-	-	-
Fertilizer Management	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	4	30	30	60	0	0	0	30	30	60
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Processing of Vegetable crops	-	-	-	-	-	-	-	-	-	-
Value Addition in Lime	-	-	-	-	-	-	-	-	-	-
Propagation Techniques in Fruit crops	-	-	-	-	-	-	-	-	-	-
Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (a)	**4**	**30**	**30**	**60**	**0**	**0**	**0**	**30**	**30**	**60**
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (b)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (c)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (d)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-

Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (e)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (f)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total (g)	-	-	-	-	-	-	-	-	-	-
GT (a-g)	-	-	-	-	-	-	-	-	-	-
III Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-
Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	4	60	20	80	10	10	20	70	30	100
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**4**	**60**	**20**	**80**	**10**	**10**	**20**	**70**	**30**	**100**
IV Livestock Production and Management										
Animal Nutrition Management	1	26	22	48	6	4	10	32	26	58
Livestock production and management	2	43	0	43	8	0	8	51	0	51
Feed & fodder technology	1	40	1	41	4	1	5	44	2	46
Dairy Management	1	11	2	13	0	0	0	11	2	13
Animal Nutrition Management	1	1	4	5	4	2	6	5	6	11
Vermi-compost production	2	13	6	19	5	0	5	18	6	24
Feed & fodder technology	1	16	2	18	1	2	3	17	4	21
Animal Nutrition Management	1	12	1	13	0	0	0	12	1	13
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Importance of Animal Husbandry in agriculture	-	-	-	-	-	-	-	-	-	-
Total	**10**	**162**	**38**	**200**	**28**	**9**	**37**	**190**	**47**	**237**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-

Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
VI Agril. Engineering										
Farm Machinary and its maintenance	04	90	22	112	06	06	12	96	28	124
Installation and maintenance of micro irrigation systems	03	60	10	70	10	05	10	95	15	80
Use of Plastics in farming practices										
Production of small tools and implements	01	30	06	36	15	20	4	32	08	40
Repair and maintenance of farm machinery and implements	04	90	22	112	05	05	10	95	27	122
Small scale processing and value addition	02	40	10	50	00	00	00	40	10	50
Post Harvest Technology										
Care and maintenance of farm machinery and implements	02	30	10	70	10	05	10	95	45	80
Others (pl specify)	01	60	20	80	05	05	10	65	25	90
Total	**18**	**390**	**110**	**500**	**41**	**141**	**182**	**431**	**241**	**672**
VII Plant Protection										
Integrated Pest Management	29	463	257	720	85	63	148	548	320	868
Integrated Disease Management	3	69	47	116	19	15	34	88	62	150
Bio-control of pests and diseases	-	-	-	-	-	-	--	-	-	-
Production of bio control agents and bio pesticides	3	174	67	241	49	25	74	223	92	315
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	**35**	**706**	**371**	**1077**	**153**	**103**	**256**	**859**	**474**	**1333**
VIII Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total										
IX Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

X CapacityBuilding and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	6	125	99	224	9	7	16	134	106	240
Formation and Management of SHGs	2	20	30	50	2	3	5	22	33	55
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	7	115	40	155	9	9	18	124	49	173
Total	**15**	**260**	**169**	**429**	**20**	**19**	**39**	**280**	**188**	**468**
XI Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (pl specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**103**	**2139**	**1188**	**3294**	**336**	**202**	**538**	**2485**	**1431**	**3916**

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	4	57	32	89	16	7	23	73	39	**112**
Small tools and implements	1	60	20	80	3	7	10	63	27	90
Livestock production and management	1	4	7	11	5	4	9	9	11	20
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Processing of Vegetable crops	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Importance of Animal Husbandry in Agriculture	-	-	-	-	-	-	-	-	-	-

Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry Management										
Azolla production	-	-	-	-	-	-	-	-	-	-
Hydroponics Technique	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
IPM & IDM	-	-	-	-	-	-	-	-	-	-
TOTAL	**6**	**121**	**59**	**180**	**24**	**18**	**42**	**145**	**77**	**222**

Training for Rural Youths including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Soil & water conservation	1	20	10	30	5	2	7	25	12	37
Repair and maintenance of farm machinery and implements	1	30	4	34	5	1	6	35	5	40
Farm Machinary and its maintenance	1	20	15	35	0	0	0	20	15	35
Soil & water conservation	1	15	2	17	2	0	2	17	2	19
Livestock production and management	1	8	1	9	3	1	4	11	2	13
Poultry Management	1	14	1	15	1	0	1	15	1	16
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Propagation Techniqes in Fruit crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	1	30	4	34	5	1	6	35	5	40

Soil & water conservation	2	35	12	47	7	2	9	42	14	56
Value Addition in Lime	-	-	-	-	-	-	-	-	-	
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
IPM & IDM	-	-	-	-	-	-	-	-	-	-
TOTAL	**9**	**172**	**49**	**221**	**28**	**7**	**35**	**200**	**56**	**256**

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Livestock production and management	2	12	8	20	8	5	13	20	13	33
Soil & water conservation	4	70	24	94	14	4	18	84	28	112
Repair and maintenance of farm machinery and implements	1	20	15	35	0	0	0	20	15	35
Poultry Management	1	14	1	15	1	0	1	15	1	16
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Propagation Techniqes in Fruit crops	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Processing of Vegetable crops	-	-	-	-	-	-	-	-	-	-
Value Addition in Lime	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-

Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying										
Importance of Animal Husbandry in Agriculture										
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry Management										
Azolla production	-	-	-	-	-	-	-	-	-	-
Hydroponics Technique	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
IPM & IDM	-	-	-	-	-	-	-	-	-	-
TOTAL	**8**	**116**	**48**	**164**	**23**	**9**	**32**	**139**	**57**	**196**

Training programmes for Extension Personnel including sponsored training (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	35	17	52	13	5	18	48	22	70
Soil & water conservation	1	45	20	65	4	6	10	49	26	75
Soil & water conservation	1	45	20	65	4	6	10	49	26	75
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**3**	**125**	**57**	**182**	**21**	**17**	**38**	**146**	**74**	**220**

Training programmes for Extension Personnel including sponsored training (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	3	113	39	152	24	16	40	137	55	192
Integrated Disease Management										
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Information networking among farmers										
TOTAL	**3**	**113**	**39**	**152**	**24**	**16**	**40**	**137**	**55**	**192**

Training programmes for Extension Personnel including sponsored training – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	35	17	52	13	5	18	48	22	70
Soil & water conservation	1	45	20	65	4	6	10	49	26	75
Soil & water conservation	1	45	20	65	4	6	10	49	26	75
Integrated Pest Management	3	113	39	152	24	16	40	137	55	192
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)										
Information networking among farmers										
TOTAL	**6**	**238**	**96**	**334**	**45**	**33**	**78**	**283**	**129**	**412**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
	-	-	-	-	-	-	-	-	-	-
Crop production and management	-	-	-	-	-	-	-	-	-	-
Increasing production and productivity of crops	-	-	-	-	-	-	-	-	-	-
Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
Production and value addition	-	-	-	-	-	-	-	-	-	-
Fruit Plants	-	-	-	-	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-	-	-	-	-
Spices crops	-	-	-	-	-	-	-	-	-	-
Soil health and fertility management	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site (PKVY Training by ATMA)	03	175	110	285	20	15	35	195	125	320
Methods of protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	03	175	110	285	20	15	35	195	125	320
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Farm machinery	-	-	-	-	-	-	-	-	-	-
Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Livestock and fisheries	-	-	-	-	-	-	-	-	-	-
Livestock production and management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
Fisheries Management	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Home Science	-	-	-	-	-	-	-	-	-	-
Household nutritional security	-	-	-	-	-	-	-	-	-	-
Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Agricultural Extension	-	-	-	-	-	-	-	-	-	-
CapacityBuilding and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
GRAND TOTAL	**03**	**175**	**110**	**285**	**20**	**15**	**35**	**195**	**125**	**320**

Details of vocational training programmes carried out by KVKs for rural youth (4 or more days)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
Integrated crop management	-	-	-	-	-	-	-	-	-	-
Organic farming	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total										
Post harvest technology and value addition										
Value addition	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-

Total										
Livestock and fisheries										
Dairy farming	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Poultry farming	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Income generation activities										
Vermicomposting	-	-	-	-	-	-	-	-	-	-
Production of bio-agents, bio-pesticides,	-	-	-	-	-	-	-	-	-	-
bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery	-	-	-	-	-	-	-	-	-	-
and implements	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-					
Seed production	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total										
Agricultural Extension										
Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
Others (pl. specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Grand Total	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	440	10328	32	10360
Diagnostic visits	41	197	15	212
Field Day	2	1223	04	127
Group discussions	13	571	07	578
Kisan Ghosthi	6	283	05	288
Film Show	13	3566	26	3589
Self -help groups	2	60	00	60
Kisan Mela	4	2157	18	2175
Exhibition	9	5463	25	5488
Scientists' visit to farmers field	35	510	13	523
Plant/animal health camps	2	45	02	47
Farm Science Club	0	0	00	0
Ex-trainees Sammelan	0	0	00	0
Farmers' seminar/workshop	12	490	00	490
Method Demonstrations	18	780	9	789
Celebration of important days	24	1824	17	1841
Exposure visits	3	60	06	66
Total	**624**	**27557**	**179**	**26633**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	00
Extension Literature	05
Newspaper coverage	73
Popular articles	15
Radio Talks	08
TV Talks	07
Animal health amps (Number of animals treated)	02
Social Media (No. of platforms Used)	06
Others (pl. specify)	-
Total	**116**

3.6 Online activities during year 2023

S. No.	Activity Type	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live/ Zoom/ Google meet/ Webexetc)	Title of Program	No. of Programmes	No. of Participants/ Views
A	Farmers training	Zoom App	Jal Shakti Abhiyan	01	20
1		Zoom App	Training programme on Valuing Water	01	30
		Zoom App	Jal Shakti Abhiyan	01	25
	Total			03	75
4		**YouTube Live**			
	Total				
B					
	Total	Nil	Nil	Nil	Nil
C	Farmers seminars	Nil	Nil	Nil	Nil
	Total	Nil	Nil	Nil	Nil
D	Expert lectures	Nil	Nil	Nil	Nil
	Total				
E	Any other (Pl. specify)				
	Total				
	Grand Total (A+B+C+D+E)			**03**	**75**

3.7 .PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (Kg)	Value (Rs)	Number of farmers
Cereals	Paddy	PDKV Sadhana	-	2240	1,19,350/-	-
	Paddy	Sakoli-9	-	1165	64,075/-	-
	Paddy	PKV Kisan	-	150	9,000/-	-
	Paddy	Sindewahi-2001	-	570	25,850/-	-
	Paddy	SKL-RR-1	-	100	6,500/-	-
	Paddy	PDKV-Tilak	-	700	36,000/-	-
.	Paddy	PDKV-Tilak Mahaabeej)	-	5498	98802/-	-
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
	-	-	-	-	-	-
Spices	-	-	-	-	-	-
	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
	-	-	-	-	-	-
Others	-	-	-	-	-	-
Total				**10423**	**3,59,557/-**	

Production of planting materials by the KVK

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial	-	-	-	-	-	-
	-	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-	-
	-	-	-	-	-	-
Fruits	-	-	-	-	-	-
	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-
	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
	-	-	-	-	-	-
Spices	-	-	-	-	-	-
	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
	-	-	-	-	-	-

Fodder crop saplings	-	-	-	-	-	-
	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
	-	-	-	-	-	-
Others	-	-	-	-	-	-
	-	-	-	-	-	-
Total	Nil	Nil	Nil	Nil	Nil	Nil

Production of Bio-Product

Bio Products	**Name of the bio-product**	**Quantity Kg**	**Value (Rs.)**	**No. of Farmers**
Bio Fertilisers	Tricoderma,Biomix,Decomposer,Pseudomones	4.84	67,030/-	165
	-	-	-	-
Bio-pesticide	-	-	-	-
	-	-	-	-
Bio-fungicide	-	-	-	-
	-	-	-	-
Bio Agents	-	-	-	-
	-	-	-	-
Others (Azolla)	Azolla	0.65	6500	28
Total	-	**5.49**	**73,530/-**	**193**

Production of livestock materials

Particulars of Live stock	Name of the animal / bird / aquatics	**Number**	**Value (Rs.)**	**No. of Farmers**
Dairy animals	-	-	-	-
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Goat	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry	-	-	-	-
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl.specify)	-	-	-	-
Fisheries	-	-	-	-
Indian carp	-	-	-	-
Exotic carp	-	-	-	-
Others (Pl. specify)	-	-	-	-
	-	-	-	-
Total	-	**Nil**	**Nil**	**Nil**

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

A. KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)
B. Literature developed/published

Item	Title	Authors name	Number
Research papers	Impact of goat Management skill training on gaining knowledge and training satisfaction Impact if poultry management skill training programme on knowledge level of rural youth Use of IPM module for effective management of gram pod borer under FLD	Shri. Pramod Parwate Dr.P.S. Umbarkar	03
Technical reports	-	-	-
News letters	-	-	00
Technical bulletins	Agriculture Advisory twice in a week	-	832
Popular articles	Management of gram pod borer in chickpea Management of paddy stem borer Management of white grub Management of sugarcane pyrilla Azolla preparation ICT in Agriculture Use Bio fertilizer		10
Extension literature	-	-	04
Newspaper coverage	-	-	89
Others (Pl. specify)	-	-	-
	TOTAL		**937**

C. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
-	-	-	-

D. Details of Social Media Platforms Created / Used

S. No.	Type of social media platform	No of events (uploaded video/post/story etc.	Title of social media	Number of Followers/ Subscribers
1	YouTube Channel (no of video uploaded)	07	KVK Bhandara	115
2	Facebook page/ Account (no of Post)	210	KVK Bhandara	2450
3	Mobile Apps	Nil	Nil	
4	WhatsApp groups	35	KVK Bhandara1, KVK Bhandara2,KVKPapada,OrganicSakoli, DAMU Sakoli,CottonFarmers,KVKBhandara Dairy Farmers,DAES-III,	5423
5	Twitter Account	1	KVK Bhandara	105
6	Any other (Pl. Specify)	Nil	Nil	

D. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

Technology Module and success story under CFLDs on Pulses/ Oilseeds2023

(Same template should be used for different crops and submitted separately)

Crop: Pigeonpea

Technology Module:

Improved Varieties	:	BDN 716
Seed Rate/ha	:	30
Seed Treatment	:	Trichoderma
Sowing Time	:	June 2nd week
Spacing (cm)	:	60 X 20 cm
Irrigation with stages	:	--
Moisture Conservation Practices Followed	:	--
Fertilizer Application	:	As per recommendations
Insect/pest Management Practices	:	Integrated Pests Management
Weed Control	:	Integrated Weed Management
Harvesting	:	Manual

Information about successful technological interventions under CFLDs on oilseeds and pulses: (Good quality action photographs along with caption should be placed in the writeup and same should be given separately in JPEG format)

- Short title of the technological intervention
- Farming situation
- Climatic vulnerability
- Problems identified
- Technological intervention in brief
- Efforts made by KVK / methodology followed
- Output, outcome and impact of the intervention - Advantages at field level with yield, economics, climate resilient and other important observations with proper units, No. of farmers benefited & area (ha) covered in adopted village, No. of farmers benefited & area (ha) covered in additional adopted villages, No. of farmers benefited & area (ha) covered in adjacent non adopted villages, No. of farmers benefited & area (ha) covered in due to convergence, linkage with the details of agency

Success story format for individual farmer: Pulses/oilseeds 2023:
Name of KVK: Krishi Vigyan Kendra, Sakoli, Bhandara
Title of intervention: Integrated Crop Management of Pigeonpea
Name of farmer & Address: Shri. Komal Doye
Details of technology demonstrated: Variety BDN-716, Biomix
Institutional Involvement: Technology Transfer
Success Point:Improved Variety: - High yielding, Suitable for rainfed condition,

Sowing method: - Change traditional method of sowing with Zig-zag method of sowing

Crop and Variety:Pigeonpea and BDN-716

Farmer Feedback:- High yielding, Suitable for rainfed condition and by using line sowing method, farmers got more yield and quality of pigeonpea also increased.

MSP of Pigeonpea Rs.7000/-	
Demonstration	8.2 q/ha
Potential yield of variety/technology	18-20 q/ha
District average	6.17 q/ha
State average	7.41 q/ha

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Practice used	**Yield (q/ha)**	**Gross cost (Rs/ha)**	**Gross income (Rs/ha)**	**Net income (Rs/ha)**	**B:C ratio**
Farmer practices	6.0	15950	44100	28150	1.56
Demonstration	8.9	16770	57400	40630	3.42
% Increase	**23.17%**				

(Good quality action photographs along with caption should be placed in the writeup and same should be given separately in JPEG format)

(Good quality action photographs along with caption should be placed in the writeup and same should be given separately in JPEG format)

E. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

----- Farmer to Farmers technology dissemination use for this year for adopted villages.

F. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
--	--	--	--

5.1. Indicate the specific training need analysis tools/methodology followed for
2.Extension Research (2023-24)

TRAINING NEED ANALYSIS OF BHANDARA DISTRICT FARMERS

Training plays an important role in the advancement of human performance in a given situation. KrishiVigyan Kendra, Sakoli conduct a variety of trainings for the benefits of farmers and rural youth in Bhandara district. KVK training programme starts with identification of training needs, the most important steps in organization of any training programme. The present study on training needs analysis of the farmers and rural youths conducted by KVK, Sakoli to identify their training needs and interests during year 2023-24.

Objectives of the study:-

The objectives of the study were to identify the training need of Bhandara district farmers.

Methodology:-

1) **Selection of Taluka and Villages** - For the study all seven blocks i.e. Bhandara, Sakoli, Mohadi, Tumsar, Lakhani, Lakhandur, Pauni of Bhandara district were selected, total 12 villages based on production potential of the different farming system were selected for the present study.

1) **Selection of farmers as respondents** – On consultation with the extension functionaries of state agricultural department, local leaders as well as KVK staff, a list of farmers representing different categories were selected for each village. From the individual list of farmers from selected village, ten farmer respondents were randomly selected. Thus, a total of 120 farmer respondents will be finally selected for data collection

Collection and analysis of data

The interview schedule was constructed in accordance with the study objectives and it was used for data collection. The respondents were contacted either at farm or home and the information in the interview schedule was collected. The information obtained from 120 farmers was taken for analysis. The information analysis with suitable statistical tools.

The farmers responses were collected in a 3 point continuum scale as Very important (VI), Important (I) and Not Important (NI) by assigning scores3, 2 and 1 respectively. the results were calculated as weighted score for each of the thrust area identified for the training.

$$\text{Weighted score (WS)} = \frac{(\text{No.of VI} \times 3)+(\text{No.of I} \times 2)+(\text{No.of NI} \times 1}{\text{Total no. of VI+I+NI}}$$

Results and discussion

The training needs of the farmers are presented in the form of weighted scores in the tables 1-9. Weighted scores were ranked within each discipline and the ranking were identified as training needs of the farmers of the district.

A) Crop Production

Table 1.Weighted Score and rank of the training needs of farmers in the disciplines of crop production.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Crop Cultivation Technology	81	35	04	2.64	I
2	Nursery Management	35	73	12	2.19	VIII
3	Weed Management	73	41	06	2.56	II

4	Resources Conservation Technologies	31	85	04	2.23	VI
5	Cropping Systems	36	73	11	2.21	VII
6	Integrated Farming	28	85	07	2.18	IX
7	Seed Production	47	54	19	2.23	VI
8	Water Management	66	43	11	2.46	III
9	Integrated Crop Management	54	46	20	2.28	IV
10	Fodder Production	23	74	23	2.00	X
11	Production of organic inputs	46	59	15	2.26	V

B) Plant Protection

Table 2.Weighted Score and rank of the training needs of farmers in the disciplines of plant protection.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Integrated pest management	93	23	04	2.74	I
2	Integrated disease management	92	24	04	2.73	II
3	Bio-control of pests and diseases	78	34	08	2.58	III
4	Production of bio control agents & bio pesticides	28	81	11	2.14	IV
5	Lac culture	08	73	39	1.74	V
6	Bee-keeping	08	67	45	1.69	VI
7	Mushroom Production	04	63	53	1.59	VII
8	Sericulture	11	48	61	1.58	VIII

C) Horticulture

Table 3.Weighted Score and rank of the training needs of farmers in the disciplines of Horticulture.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Vegetable nursery management	46	66	8	2.32	I
2	Export vegetable cultivation	48	53	19	2.24	III
3	Exotic Vegetables like broccoli	27	55	38	1.91	XIIII
4	Vegetables cultivation in Poly house	20	78	22	1.98	XI
5	Flowers cultivation in Poly house	16	69	35	1.84	XV
6	Off season vegetables in poly house	24	62	34	1.92	XIII
7	Training and pruning	36	69	15	2.18	VI
8	Fruit cultivation and management	40	72	8	2.27	II

9	Management of young plants/orchards	36	64	20	2.13	VII
10	Rejuvenation of old orchards	20	84	16	2.03	IX
11	Export fruit cultivation and management	28	66	26	2.02	X
12	Micro irrigation systems of orchards	40	65	15	2.21	V
13	Management of potted plants	17	82	21	1.97	XII
14	Export potential of ornamental plants	11	78	31	1.83	XVI
15	Ornamental plants cultivation & management	12	77	31	1.84	XV
16	Propagation techniques of ornamental plants	31	62	27	2.03	IX
17	Medicinal & Aromatic plant cultivation Tech.	39	58	23	2.13	VII
18	Medicinal & Aromatic plant selling management	52	42	26	2.22	IV
19	Medicinal & Aromatic plant PHT & Value addition	32	66	22	2.08	VIII

D) Animal Husbandry

Table 4.Weighted Score and rank of the training needs of farmers in the disciplines of animal Husbandry.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Dairy Management	58	59	3	2.46	I
2	Poultry Management	53	66	1	2.43	II
3	Goat farming Management	48	69	3	2.38	III
4	Rabbit Management	1	42	77	1.37	VII
5	Disease Management	44	53	23	2.18	VI
6	Feed Management	51	50	19	2.27	V
7	Production of quality animal products & Marketing	43	70	7	2.30	IV

E) Agricultural Engineering

Table 5.Weighted Score and rank of the training needs of farmers in the disciplines of agriculturalengineering.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Soil and water conservation	38	72	10	2.23	IX
2	Water conservation techniques & importance	24	83	13	2.09	X
3	Different irrigation systems for higher yield	71	45	4	2.56	III
4	Micro irrigation and management	47	69	4	2.36	VI

5	Production of small tools and implements	40	77	3	2.31	VIII
6	Repair and maintenance of farm machinery & implements	79	34	7	2.60	II
7	Measures for refill of well and boar	67	45	8	2.49	V
8	Different implements use in farm mechanization	71	41	8	2.53	IV
9	Post harvest technology, processing & marketing	44	73	3	2.34	VII
10	Modern farm implements	79	37	4	2.63	I

F) Home science/ Women empowerment

Table 6. Weighted Score and rank of the training needs of farmers in the disciplines of home science.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Nutrient diet and human health	65	47	8	2.48	II
2	Balance diet and value addition of farm produce	36	72	12	2.20	VII
3	Kitchen Garden vegetable cultivation	24	76	20	2.03	IX
4	Use of milk and milk products in diet	31	77	12	2.16	VIII
5	Rice processing and use in diet	46	62	12	2.28	VI
6	Deficiency and measures for vitamins & minerals	50	63	7	2.36	V
7	Source and work of vitamins & minerals in human health	62	46	12	2.42	III
8	Value addition and processing for different products	46	73	1	2.38	IV
9	Health problems and diet planning regarding girls	69	43	8	2.51	I

G) Soil science

Table 7.Weighted Score and rank of the training needs of farmers in the disciplines of soil science.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Soil fertility management	84	31	5	2.66	I
2	Soil and water conservation	70	46	4	2.55	II
3	Integrated nutrient management	52	60	8	2.37	V
4	Production & use of organic inputs	59	57	4	2.46	IV
5	Soil and water testing -Soil health card	65	51	4	2.51	III
6	Nutrient use efficiency	39	73	8	2.26	VII
7	Micro nutrient deficiency in crops	43	69	8	2.29	VI

H) Extension education

Table 7.Weighted Score and rank of the training needs of farmers in the disciplines of extension education.

Sr. No	Area	(n=120)			WS	Rank
		VI	I	NI		
1	Group formation and management of SHGs	43	69	8	2.29	V
2	Group farming, importance and benefits	42	75	3	2.33	III
3	Methods for extension education	27	71	22	2.04	VI
4	Importance of training, demonstration, exposure visit for farmers	44	68	8	2.30	IV
5	Subsidiary occupation and management	55	53	12	2.36	II
6	Use of ICT in agriculture	65	50	5	2.50	I

5.2. Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA
ii) Problem identified from Matrix
iii) Field level observations
iv) Farmer group discussions
v) Others if any

For FLD:

i) New variety/technology
ii) Poor yield at farmers level
iii) Existing cropping system
iv) Others if any

The PRA and other survey methods were implemented in the adopted village and other survey methods like use interview schedules, questionnaire, secondary data, RRA and discussions with farmers group, following conclusions has been drawn:

Adopted Village:

- Papda kh.

For needs assessment of farmers of Papda kh, We had to conduct the PRA, farmers are basically self-conscious in nature and hesitate to meet the strangers and reluctant to furnish the required information. For the purpose, we could have to come closer with the gratefulness of villagers because their involvement for learning the situations and planning was necessary. We identified some key informants who have some education, worried for the backwardness of their people and interested to play the role in socioeconomics development of their people. Through these key informants we had frequently visited to other villagers and developed rapport with them. In this way we had rapport with the farmers of Papda kh. and involved them in the process of learning situation. For learning the situation and action, we used various PRA techniques / tools which are discussed as follows.

a) Survey methods used (survey by questionnaire, PRA, RRA, etc.)

- PRA
- RRA
- Personal Interview method
- Data from secondary sources
- Official websites of the Government line departments

POIN Analysis:

The PRA and other survey methods were implemented in the Papda kh. village and other survey methods like use interview schedules, questionnaire, secondary data, RRA and discussions with farmers' core group, following POIN analysis has been drawn:

Sr	Problems	Opportunities	Issues	Needs
1	Monocropping	Introduction of New crop, diversified cropping system	Lowyield,low productivity, Unawareness about cropping system	Training Demonstration Exposure visit
2	Lack of Knowledge about scientific technology about crop production	Upliftment of scientific Technology	Use of local varieties, traditional farming system, no proper tillage operation	Training Demonstration Popular articles
3	Lack of knowledge about IPM/INM	Introduction IPM/INM package	Low yield, more expenditure on plant protection measures, minimum pest control	Training Demonstration Meeting
4	Less use of biofertilizers	Introduction of bio fertilizers in Crops fortreatment.	Occurrence of pest anddisease, low yield, poor quality	Demonstration Training Meeting
5	Lack of Knowledge& availability about farm machinery/ Implement	Enhancing work efficiency and saving cost.	Traditional tools/ implements and techniques use forfarming	Demonstration Exposure visit Training Linkages
6	Minimum use of quality fodder for milch animal	Introduction of improved variety of fodder crop	Traditional feeding approach, opengrazing, low milkyield, low fatpercentage	Demonstration Training
7	Unemployment (Seasonal)Unutilized lean period	Seasonal employment for post-harvest processing and value addition processing	Resource management Secondary agriculture Custom Hiring	Vocational trainings, Linkages with market channel
8	Weak linkages of farmerswith different organization	Enhancing linkages introducing cluster farming approach	Lack of scientific information sources, less initiative	Training Exposure visit Promotion of SHG
9	Lack of scientific knowledge and skill about value addition	Scope for developing skill among farmers, SHG's	No risk bearing ability,poor economic status	Training Demonstration Exposure visit
10	Low SWC and degraded soil health	RWH, In-situ moisture conservation	Water harvesting, INM,Increment in soil Health	Trainings, Soil Testing
11	Less participation of farmwoman in decision making	Increasingparticipation of farmwoman in decisionmaking	Less education, Male dominant society	Formation of SHG

SWOT analysis of PapdaKhurd village: (S- Strength, W- Weaknesses, O- Opportunity, T- Threats)

Strength:

1. Availability of organic waste
2. Greater participation of farmers in social activity
3. Positive attitude towards livestock business
4. Soil best suited for agronomical and horticultural crops
5. Rural Youth population is more

Weaknesses:

1. Monoculture cropping pattern of village.
2. Use of local varieties
3. Less knowledge about IPM, INM.
4. Less use of bio fertilizers and seed treatment.
5. Imbalanced fertilizer and pesticides use
6. Lack of irrigation water
7. Lack of scientific knowledge about care and management of livestock
8. Lack of Knowledge & availability about farm machinery/ Implement
9. Less risk bearing ability
10. Reluctant to new technologies

Opportunities:

1. Scope for enhancing diversified farming system approach.
2. Use of high yielding varieties.
3. Scope for increasing area under pulses, oilseeds and vegetables crops.
4. Create awareness about balanced use of fertilizer and pesticides.
5. Introduction of crossbred animals and improved fodder crop variety.
6. Scope for increasing milk production and poultry.
7. Use of improved Implements for Enhancing work efficiency and saving cost.
8. Scope for developing agro base enterprises, value addition.
9. Scope for entreprunship development.

Threats:

1. Heavy losses due to wild animals.
2. Uncertainty and long dry spell of rainfall.
3. Unavailability of post-harvest technologies viz. storage facility etc.
4. Discontinuity in electricity.
5. Status of ground water table is low

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) - Parastola,Papada Kh.
ii. No. of farm families selected per village :212 farm families
iii. No. of survey/PRA conducted : 01
iv. No. of technologies taken to the adopted villages:-15
v. Name of the technologies found suitable by the farmers of the adopted villages:
vi. Impact (production, income, employment, area/technological– horizontal/vertical):-
vii. Constraints if any in the continued application of these improved technologies

6. LINKAGES

A. Functional linkage with different organizations

Sr. No.	Name of organization	Nature of linkage
1	District Collector, Bhandara	Joint implementation of programme
2	ATMA, Bhandara	Joint implementation of trainings
3	District Superintendent of Agriculture/Sub-Divisional Agriculture Officer	Joint implementation ,Joint diagnostic survey, Training
4	AIR, Nagpur	Participation in extension activities like radio talk, farmers discussion etc., & participation in meeting
5	Doordarshan, Nagpur	Farmers Success stories
6	NNTR, Sakoli	Farmers melawa, Exhibition

7	Panchayat Samiti sakoli	Participation in extension activities like melawa, training, etc.
8	Animal Husbandry & Veterinary Science	Conducting training Programmes
9	RCF, Nagpur	Conducting training Programmes
10	Reliance foundation bhandara	Dissemination of information

NB:The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
DAMU	2023-24	IMD Pune	**1644233**
CROPSAP	2023-24	ATMA Bhandara	**40000**
DAESI	2023-24	ATMA Bhandara	**740000**
MNOOP Oilseed	2023-24	ICAR-ATARI Pune	**15000**
NFSM Pulses	2023-24	ICAR-ATARI Pune	**322848**
SAP	2023-24	ICAR-ATARI Pune	**24390**

C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

If yes, role of KVK in preparation of SREP of the district?

Krushi Vigyan kendra, Sakoli actively participated in preparation of SREP for Bhandara district. out of total 7 blocks in Bhandara district, some villages on farming systems were selected and expert committee members collect the data, discuss with farmers and in overall preparation of SREP KVK Sakoli take part actively.

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	GB, DFAC,Others	13	08	
02	**Research projects**		00	00	
03	**Training programmes**	Framers TraingProgramme	18	08	
04	**Demonstrations**	Demonstrations on	08	03	
05	**Extension Programmes**		15	05	
		Technology week	1	1	
		Exhibition	3	2	
		Soil health camps	1	1	
		Animal health campaigns	1	1	
		Farmers field school	7	0	
		Capacity development	6	1	
		Kisan mela	4	2	
		Agri-preneurs development	1	1	
		Video films	4	2	

		Watershed approach	1	1	
		Exposure visit	3	1	
06	**Publications**				
	Video Films	-	01	01	-
	Books	-	-	-	-
	Extension Literature	-	02	02	-
	Pamphlets	-	00	00	-
		-	-	-	-
		-	-	-	-
	Booklet	-	-	-	-
	Others (Pl. specify)	-	-	-	-
07	**Other Activities** (Pl.specify)	-	-	-	-
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-
	Agri-preneurs development	-	-	-	-

D. Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
-	-	-	-	-	-

E. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
-	-	-	-	-	-

F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	**RKVY**	**TOT in crop management**	**--**	**--**	**-**

G. Details of linkage with PKVY (Paramparagat Krishi VikasYojana)

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	**PKVY**	Demonstration on Organic Paddy, Chickpea, Training Programme, Method Demonstration, Awareness Campaign, Kisan Goshti, Kisan Melva, Field Day	**Nil**	**Nil**	**Nil**

H. Details of linkage with NFSM

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1	NFSM	Nil	Nil	Nil	Nil

I. Details of linkage with SMAF (Sub-mission on Agroforestry)

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
--	--	--	--	--	--

7. Convergence with other agencies and departments:

8. Innovator Farmer's Meet

Sl.No.	Particulars	Details
	Have you conducted Farm Innovators meet in your district?	Yes/ No
	Brief report in this regard	-

9. Farmers Field School (FFS)

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.	Brief report
-	-	-	-	-
-	-	-	-	-

10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed:

S. No	Feed Back
1	In paddy transplanting done by line sowing at recommended spacing gave more yield than paddy sown by traditional method
2	In Chickpea yield was obtained more when sowing done by recommended spacing than broadcasting method
3	Rice varieties recommended for the district yields more, yield increases due to application of fertilizers on soil test basis
4	Due to use of Use of improved variety of Chickpea PDKV,Kanchan ,seed treatment and insecticide yields were higher
5	Use of Improved variety of Linseed NL-260 with Seed treatment give more yield than FP.

10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

S. No	Feed Back
1	Incidence of pests was found minimum in recommended technology when applied at ETL than farmer practice
2	use of improved variety gave higher yield than local varieties
3	Rice varieties recommended for the district yields more, yield increases due to application of fertilizers on soil test basis
4	Due to use of Use of improved variety PDKV,Kanchan,seed treatment and insecticide yields were higher
5	NL- 260 yields more
6	Yield of Redgram is more in dibbling on beds as compare to paddy bunds.

11. Technology Week celebrationduring 2023 Yes/No, If Yes

Period of observing Technology Week: From One week in December ,2023
Total number of farmers visited :-210
Total number of agencies involved :-01
Number of demonstrations visited by the farmers within KVK campus:-06

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	1	80	Paddy,AnimalHusbandry,Farm Implement
Lectures organized	4	160	Paddy,AnimalHusbandry,Farm Implement
Exhibition	1	210	-
Film show	1	75	-
Fair	1	180	-
Farm Visit	1	165	-
Diagnostic Practicals	1	38	-
Supply of Literature (No.)	5	165	-
Supply of Seed (q)	0	0	-
Supply of Planting materials (No.)	0	0	-
Bio Product supply (Kg)	0	0	-
Bio Fertilizers (q)	5	30	
Supply of fingerlings	0	0	
Supply of Livestock specimen (No.)	0	0	
Total number of farmers visited the technology week	210	210	
Number of organizations participated	1	45	

12. Interventions on drought mitigation (if the KVK included in this special programme)

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
Nil	Nil	Nil	Nil

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	Nil	Nil
Pulses	Nil	Nil
Cereals	Nil	Nil
Vegetable crops	Nil	Nil
Tuber crops	Nil	Nil
Total	Nil	Nil

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
Maharashtra	**2**	**6**	**240**
Total	**2**	**6**	**240**

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
Maharashtra	02	2	24
Total	02	2	24

E. Seed distribution in drought hit states (Seed distribution/sold by KVK)

State	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Nil	Nil	Nil	Nil	Nil
Total				

F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Nil	Nil	Nil	Nil
Total	Nil	Nil	Nil

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
Maharashtra	13	585	6	220	2	110	1	1223	10	6404	15	3566
Total	805				1333				9970			

13. IMPACT

A. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
---	---	---	--	--

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

Extension Research (2023-24)

Title:Impact of organic farming training programmes organized by KVK, Sakoli (2023-24)

***Introduction*:-**

Training is one of the important aspects of human resource development. A study on Impact of major training programmes organized by KVK, Sakoli throughout the year (2023-24) in Bhandara district farmers. KVK, Sakoli conducted 80 farmers training programmes on organic farming, throughout the year. It is essential that KVK be able to follow the results of their efforts and understand how the training they imported fit into the complex pattern of socio economic status change in which all farmers participate. Keeping the above facts in view the present study was designed with following specific objectives

1) To study the profile of the selected trainees.
2) To study training effectiveness.
3) To Study the impact of training.

Methodology:-

1) **Research design used for the study: -** The Experimental research design of the social research was used in the present study as it aimed to ascertaining the Impact of major training programmes organized by KVK, Sakoli throughout the year (2023-24).

2) **Selection of respondents** –Major training programme conducted by KVK, Sakoli was selected for the study for the study. Total trainees present in the training were selected as respondents. Thus organic farming 80 trainees were selected for present study.

Results and discussion:-

1) Organic farming training under PKVY programme.

Table 1. Comparative mean scores of pre training and post training knowledge of organic farming trainee's respondents

S.No	Aspects of Organic farming training under PKVY programme.	Pre training (mean)	Post training (mean)	Difference
1	Organic farming Schemes	1.47	2.73	1.26
2	Green Manuring crops	1.87	2.53	0.66
3	Organic farming certification and procedure	1.20	2.47	1.27
4	Biodynamic Compost preparation and use	1.27	2.67	1.40
5	Use of Bio fertilizers and culture production	1.33	2.67	1.34
6	Production and use of FYM/NADEP compost	1.27	2.60	1.33
7	Production and use of *Vermicompost*	1.47	2.60	1.13
8	Production and use of *Jivamrut*	1.60	2.67	1.07
9	Production and use of *Bijamrut*	1.47	2.67	1.20
10	Production and use of *Amrutpani*	1.40	2.40	1.00
11	Use of cow urine	1.53	2.73	1.20
12	Production& use of *Plant extract* for pest manage	1.27	2.33	1.06
13	Use of bio fungicide	1.40	2.47	1.07

In order to ascertain the impact of organic farming training programme on gain in knowledge, the pre and post mean knowledge scores of the recipients of the training was calculated and difference are presented in table 1. Difference between pre and post mean knowledge scores of the recipients of the training confirms that the respondents were able to gain sufficient knowledge at post training programme.

Table 2. Change in knowledge in organic farming training respondents

Sr.No	Impact dimension	Mean		Percent change
		Pre training	Post training	
1	Knowledge	18.53	33.53	80.94

The data depicted in table 2 show the change in knowledge in organic farming training respondents, pre training mean score was 18.53 and post training mean score was 33.53 observed, percent change in knowledge was observed 80.94.

Table 3. Training effectiveness of organic farming training

Sr. No	Indicators	Total obtainable mean score	Obtained mean score	Training effectiveness
1	Topics covered	3	2.67	89.00
2	Utility of topics	3	2.73	91.00
3	Relevance of lectures	3	2.60	86.66
4	Fulfillment of expectation	3	2.80	93.33
5	Practical Orientation	3	2.87	95.66
6	Relevance of study material	3	2.80	93.33
7	Quality of training	3	2.93	97.66
	Total	**21**	**19.40**	**92.38**

It could be observed from table 3 that out of seven major dimensions taken for the study, the effectiveness score for Quality of training (97.66%) was found to be the highest followed byPractical Orientation, Relevance of study material,Fulfillment of expectation, Utility of topics, Topics covered and Relevance of lectures.Overall training effectiveness score of the organic farming training programme worked out to be 92.38 which indicated that the KVK training can be considered to be effective with respect to the dimensions under study.

Table 4. Training satisfaction of organic farming training

Sr. No	Indicators	Total obtainable mean score	Obtained mean score	Training satisfaction
1	Technical competence	18	16.53	91.83
2	Facilities provided	9	8.31	92.33
3	Communication mode	15	14.27	95.13
	Total	**42**	**39.11**	**93.11**

It could be observed from table 4 that out of three major dimensions taken for the study, the satisfaction score for communication mode (95.13) was found to be the highest followed by Facilities provided and technical competence (91.83). Overall training satisfaction score of the organic farming training programme worked out to be 93.11 which indicated that the respondents of organic farming training more satisfied with respect to the training satisfaction dimensions.

B. Cases of large scale adoption
(Please furnish detailed information for each case)

C. Details of impact analysis of KVK activities carried out during the reporting period

***Title*:Impact of Dairy Management training programmes organized by KVK, Sakoli (2022-23)**

1) To study the profile of the selected trainees.
2) To study training effectiveness.
3) To Study the impact of training.

Methodology:-

3) **Research design used for the study: -** The Experimental research design of the social research was used in the present study as it aimed to ascertaining the Impact of major training programmes organized by KVK, Sakoli throughout the year (2022-23).

4) **Selection of respondents** – One Major training programme conducted by KVK, Sakoli was selected for the study for the study. Total trainees present in the training were selected as respondents. ThusDairy Management 60 trainees were selected for present study.

***Results and discussion*:-**

2) **Dairy Management training**

Table 1. Comparative mean scores of pre training and post training knowledge of Dairy Management trainee's respondents

S.No	Aspects of Dairy Management training	Pre training (mean)	Post training (mean)	Difference
1	Cow breeds and characteristics	1.60	2.53	0.93
2	Buffalo breeds and characteristics	1.73	2.67	0.93
3	Milking animals management	1.47	2.53	1.07
4	Milk products and processing	1.47	2.47	1.00

5	Feeding management in animals	1.53	2.53	1.00
6	Shed construction and management	1.60	2.33	0.73
7	Vaccination management	1.27	2.53	1.27
8	Animals diseases symptoms	1.33	2.93	1.60
9	Animals diseases care & management	1.47	2.60	1.13
10	Azolla production	1.47	2.27	0.80
11	Differnt fodder crops cultivation	1.67	2.53	0.87
12	Different feed & their importance in feeding	1.53	2.60	1.07
13	Animals management in summer and rainy season	1.40	2.47	1.07
14	Care and management of calf	1.33	2.20	0.87
15	Government & non gov.organization related to Animals	1.53	2.67	1.13
16	Different schemes related to Animal Husbandry	1.27	2.13	0.86
17	Important websites and use of ICT in Animal Husbandry	1.27	2.60	1.07
18	Benefits of Animal Husbandry	1.40	2.13	0.73

In order to ascertain the impact of dairy Management training programme on gain in knowledge, the pre and post mean knowledge scores of the recipients of the training was calculated and difference are presented in table 1. Difference between pre and post mean knowledge scores of the recipients of the training confirms that the respondents were able to gain sufficient knowledge at post training programme.

Table 2. Change in knowledge in Dairy Management training respondents

Sr.No	Impact dimension	Mean		Percent change
		Pre training	Post training	
1	Knowledge	26.33	44.73	69.88

The data depicted in table 2 show the change in knowledge in dairy Management training respondents, pre training mean score was 26.33 and post training mean score was 44.73 observed, percent change in knowledge was observed 69.88.

Table 3. Training effectiveness of Dairy Management training

Sr. No	Indicators	Total obtainable mean score	Obtained mean score	Training effectiveness
1	Topics covered	3	2.60	86.66
2	Utility of topics	3	2.93	97.66
3	Relevance of lectures	3	2.87	95.66
4	Fulfillment of expectation	3	2.80	93.33
5	Practical Orientation	3	2.93	97.66
6	Relevance of study material	3	2.80	93.33
7	Quality of training	3	2.67	89.00
	Total	**21**	**19.60**	**93.33**

It could be observed from table 3 that out of seven major dimensions taken for the study, the effectiveness score for utility of topics and Practical Orientation was found to be the highest (97.66%) followed by Relevance of lectures (95.66%), Fulfillment of expectation and Relevance of study material (93.33%), Quality of training (89.00%) and Topics covered (86.66). Overall training effectiveness score of the dairy management training programme worked out to be 93.33 which indicated that the KVK training can be considered to be effective with respect to the dimensions under study.

Table 4. Training satisfaction of dairy Management training

Sr. No	Indicators	Total obtainable mean score	Obtained mean score	Training satisfaction
1	Technical competence	18	15.13	84.05
2	Facilities provided	06	5.47	91.16
3	Communication mode	15	14.20	94.66
	Total	**39**	**34.80**	**89.23**

It could be observed from table 4 that out of three major dimensions taken for the study, the satisfaction score for communication mode was found to be the highest (94.66) followed by Facilities provided (91.16) and technical competence (84.05). Overall training satisfaction score of the dairy management training programme worked out to be 89.23 which indicated that the respondents of dairy management training more satisfied with respect to the training satisfaction dimensions.

14. Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
Jan 2023	28	8350	--
Feb 2023	34	8410	--
March 2023	55	8532	--
April 2023	35	8822	--
May 2023	38	9450	--
Jun 2023	37	9832	--
Jul 2023	41	10100	--
Aug 2023	28	10200	--
Sept 2023	33	10200	--
Oct 2023	28	10205	--
Nov. 2023	39	10210	--
Dec. 2023	45	**10360**	--

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
KVK Bhandara	Text only	185	22	96	15	110	12	441
	Voice only	--	--	--	--	--	--	--
	Voice & Text both	--	--	--	--	--	--	--
	Total Messages	185	22	96	15	110	12	441
	Total farmers Benefitted	**4415**	**410**	**3480**	**180**	**1810**	**65**	**10360**

15. PERFORMANCE OF INFRASTRUCTURE IN KVK

A. Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
	--	--	--	--	--	-	--	--	--

B.Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Paddy	28.06.23	30.11.23	1.53	PDKV Sadhana	Seed	35.8	-	-	-
Paddy	27.06.23	22.11.23	1.32	Syndewahi -2001	Seed	28.40	-	-	-
Paddy	28.06.23	24.11.23	0.77	PDKV-Tilak	Seed	32.90	-	-	-
Paddy	28.06.23	24.11.23	3.20	PDKV-Tilak	Seed	59.76	-	-	-
Pulses									
Wheat	-	-	-	-	-	-	-	-	-
Sunhemp	-	-	-	-	-	-	-	-	-
Oilseeds									
Safflower	25.12.2023	-	2.00	PKV Pink	Seed	-	-	-	-
Mustard	22.12.2023	-	2.00	TAM-108-1	Seed	-	-	-	-
Sunheamp	15.12.2023	-	1.00	Local	Seed	-	-	-	-
Spices & Plantation crops									
Floriculture	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Others (specify)									
Fodder Crop	Jan-Dec 2023	--	--	Phule Jaivant, DHN-6,CO-4,C0-5	Sets	10000	1/set	10000	-
Azolla	Jan-Dec 2023	-	-	Azolla - Anabena	-	65	100	6500	-

B. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

Sl. No.	Bio Products	Name of the Product	Qty (kg/lit)	Amount (Rs.)		Remarks
				Cost of inputs	Gross income	
	Bio-Fertilizers	Nil	Nil	Nil	Nil	Nil
	Bio-Fungicides	Nil	Nil	Nil	Nil	Nil
	Bio-pesticides	Nil	Nil	Nil	Nil	Nil
	Bio-Agents	Azolla	65	100	6500	Nil

D. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
01	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**
	NIL	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**	**NIL**

E. Utilization of hostel facilities

Accommodation available (No. of beds): FARMERS HOSTEL NOT AVAILABLE

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January **2023**	NIL	NIL	NIL
February **2023**	NIL	NIL	NIL
March **2023**	NIL	NIL	NIL
April **2023**	NIL	NIL	NIL
May **2023**	NIL	NIL	NIL
June **2023**	NIL	NIL	NIL
July **2023**	NIL	NIL	NIL
August **2023**	NIL	NIL	NIL
September **2023**	NIL	NIL	NIL
October **2023**	NIL	NIL	NIL
November **2023**	NIL	NIL	NIL
December **2023**	NIL	NIL	NIL

F. Database management

S. No	Database target	Database created
1.	**2000**	**5500**

G. Details on Rain Water Harvesting Structure and micro-irrigation system

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

H. Performance of Nutritional Garden at KVK farm

If Nutritional Garden developed at KVK farm/Village Level? Yes/No

If yes,

Nutritional Garden developed at KVK farm

Area under nutritional garden (ha)	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers visited
--	Vegetable crops	--	--
--	Fruit crops	--	--
--	Others if any	--	--

Nutritional Garden developed at Village Level (Area under nutritional garden)

No. of Villages covered	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers covered
--	Vegetable crops	--	--
--	Fruit crops	--	--
--	Others if any	--	--

H. Details of Skill Development Trainings organized

S.No.	Name of KVKs/SAUs/ICAR Institutes	Name of QP/Job role	Duration (hrs)	No. of participants					
				SCs/STs		Others		Total	
				Male	Female	Male	Female	Male	Female
1	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

17.FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	STATE BANK OF INDIA	AKOLA	002171	Dr. PDKV Akola	10428432545	444002048	SBIN0002171
With KVK	STATE BANK OF INDIA	SAKOLI	01169	REVOLVING FUND CURRENT ACCOUNT	11548123360	4441002649	SBIN0001169

B. Utilization of KVK funds during the year 2023-24 (Rs. in lakh) (Till Dec, 2023)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	166	166	158.84
2	**Contingencies**	12.10	12.10	12.09
3	**TSP**	2.135	2.135	2.134
	SCSP	0.50	0.50	0.495
	GIA/General Conti	5.0	5.0	4.99
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and Equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses			

	(minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**185**	**185**	**178.50**

C. Status of revolving fund (Rs. in lakh) for the three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2018 to March 2019	33.81	6.9	4.55	36.16
April 2019 to March 2020	36.16	11.31	8.82	38.65
April 2020 to March2021	38.65	10.19	2.41	46.43
April 2021 to March, 2022	46.43	5.28	3.93	47.78
April 2022 to March 2023	47.78	5.45	4.84	48.39
April 2023 to March 2024	48.39	6.42	6.87	47.94

18. Details of HRD activities attended by KVK staff during year

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online/Offline)
Dr. Usha Dongarwar	Senior Scientist and Head	Technological advances leading to Smart Farming & Agripreneurship	PDKV-Agribusiness Incubation Centre,Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Online
Dr. Prashant Umbarkar	Subject Matter Specialist (Plant Protection)	Technological advances leading to Smart Farming & Agripreneurship	PDKV-Agribusiness Incubation Centre,Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Online

Dr. Prashant Umbarkar	Subject Matter Specialist (Plant Protection)	Natural Vs Organic Farming: In context to Bhartiya Agriculture	Gujarat Natural Farming and Science University, Anand and Hindustan Agricultural Research Welfare Society and IIMTU, Meerut	Online
Dr. Prashant Umbarkar	Subject Matter Specialist (Plant Protection)	Organic and Natural Farming	National Center for Organic and Natural Farming (NCONF), Ghaziabad	**Offline**
Dr. Prashant Umbarkar	Subject Matter Specialist (Plant Protection)	Natural Farming	Prakrutik Krushi Prashikshan Sansthan, Gurukul, Kurukshetra, Haryana	**Offline**
Dr. Prashant Umbarkar	Subject Matter Specialist (Plant Protection)	Agriculture in Future R Future in Agriculture	Rajmata ICRISAT, Hyderabad, ICAR-ATARI Jabalpur & Agri Meet Foundation, U.P.	Online
Shri. Kapil Gaikwad	Programme Asistant Computer	Video Production and Dissemination Skill and Personality Development	DEE, Dr.PDKV,Akola and EEI,Anand	**Offline**
Dr. Pravin Khirari	Subject Matter Specialist (AHDS)	Technological advances leading to Smart Farming & Agripreneurship	PDKV-Agribusiness Incubation Centre,Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Online
Dr. Pravin Khirari	Subject Matter Specialist (AHDS)	Agriculture in Future R Future in Agriculture	Rajmata ICRISAT, Hyderabad, ICAR-ATARI Jabalpur & Agri Meet Foundation, U.P.	Online
Shri. Yogesh Mahalle	Subject Matter Specialist (Agril. Engineering)	Technological advances leading to Smart Farming & Agripreneurship	PDKV-Agribusiness Incubation Centre,Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Online

Shri. Pramod Parwate	Subject Matter Specialist (Extension Education)	Technological advances leading to Smart Farming & Agripreneurship	PDKV-Agribusiness Incubation Centre,Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Online
Dr. Prashant Umbarkar	Subject Matter Specialist (Plant Protection)	Video Production and Dissemination Skill and Personality Development	DEE, Dr.PDKV,Akola and EEI,Anand	**Offline**
Shri. Pramod Parwate	Subject Matter Specialist (Extension Education)	Video Production and Dissemination Skill and Personality Development	DEE, Dr.PDKV,Akola and EEI,Anand	**Offline**
Dr. Pravin Khirari	Subject Matter Specialist (AHDS)	Video Production and Dissemination Skill and Personality Development	DEE, Dr.PDKV,Akola and EEI,Anand	**Offline**
Miss. Kanchan D. Tayade	Subject Matter Specialist (Horticulture)	Video Production and Dissemination Skill and Personality Development	DEE, Dr.PDKV,Akola and EEI,Anand	**Offline**

18. Details of progress in Doubling Farmers Income (DFI) villages adopted by KVKs

Name of the village	Total No. of families surveyed	Key interventions implemented	No. of farmers covered in each intervention	Change in income (Rs/unit)	
				Before	After
1.Salebhata Tah. Lakhani, District Bhandara	535	1)Paddy+ Vegetables 2)Paddy +Chickpea/ Lathyrus /Linseed + Oilseed 3) Vegetables + Poultry 4)Vegetables + Goat + Fodder Crop+ Dairy	30	48500/-	**97000/-**
2.Parastola Tah. Sakoli, District Bhandara	212	1)Paddy +Vegetables 2) Vegetables + Poultry 3)Vegetables + Goat + Fodder Crop+ Dairy	20	45200/-	**68400/-**

19. Details of activities planned under NARI /PKVY / TSP / KKA, etc.

S. No.	Name of the programme	No. of villages adopted	Key activities performed	No. of activities carried out	No. of families covered
1	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**

20. Details of Progress of ARYA Project

Name of Enterprise	No of Training Conducted	No of Beneficiaries	No of Extension Activities	No of Beneficiaries	No of Unit established	Change in income		No. Of Groups Formed
						Before	After	
--	--	--	--	--	--	--	--	--

21. Details of SAP

S. No.	Types of major Activity conducted- SwachhtaPakhwada, Cleaning, Awareness Workshop, Miccobial based Agricultural Waste Management by Vermicomposting etc.	No. of Programmes conducted	No. of Participants
1	Sanitation and SWM	12	240
2	Cleaning and beautification of surrounding areas	8	109
3	Vermicomposting/Composting of biodegradable waste management & other activities on generate of wealth for waste	6	210
4	Used water for agriculture/ horticulture application	2	70
5	Involving and with the help of the farmers, farm women and village youth in their adopted villages (no of adopted villages)	7	234

Sr. No	Name of KVK	Date	***Activity***	No of VIPs	No of Farmers	Others	Total
01	KVK Bhandara	January to December 2023	1.Awareness programme under Swachhta 2.Swachhta hi seva 3.Awareness about Hygienic and sanitation among village farmers and farm women 4.Special Campaign 2.0 for disposal of Pending Matters from 2nd October to 31st October, 2023	Nil	673	22	695

21. Books published 2023-24

Title of the Book	Authors	ISBN No (Optional) / Pages No	Description/review of the book (one paragraph/sentence)
Nil	Nil	Nil	Nil

22.. Please include any other important and relevant information which has not been reflected above (write in detail).

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	84	1767	1644	3411
Rural youths	06	130	90	220
Extension Functionaries	06	75	25	100
Sponsored Training				
Vocational Training	-	-	-	-
Total	**96**	**1972**	**1759**	**3731**

2. Frontline demonstrations

Enterprise	No. ofFarmers	Area(ha)	Units/Animals
Oilseeds	**26**	**10.4**	
Pulses	**150**	**60**	
Cereals	**26**	**10.4**	
Vegetables	**13**	**2.4**	
Other crops	**26**	**10.4**	
Hybrid crops	--	--	
Total			
Livestock & Fisheries	**26**	--	
Other enterprises			
Azolla		-	
Fodder Crop			
Total			
Grand Total	**267**	**93.6**	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	**6**	**6**	**78**
Livestock	**2**	**2**	**26**
Various enterprises	-	-	-
Total	**8**	**8**	**104**
Technology Refined			
Crops	--	--	--
Livestock	--	--	--
Various enterprises	--	--	--
Total	--	--	--
Grand Total	**8**	**8**	**104**

Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	255	20964
Other extension activities	110	3394
Total	**365**	**24358**

4. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
KVK Bhandara	Text only	185	22	96	15	110	12	441
	Voice only	--	--	--	--	--	--	--
	Voice & Text both	--	--	--	--	--	--	--
	Total Messages	185	22	96	15	110	12	441
	Total farmers Benefitted	**4415**	**410**	**3480**	**180**	**1810**	**65**	**10360**

5. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	104.23	3,59,557/-
Planting material (No.)	--	--
Bio-Products (kg)	4.84	67,030/-
Livestock Production (No.)	--	--
Fishery production (No.)	--	--
Other (Azolla)	0.65	6500/-

6. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	--	--
Water		
Plant	--	--
Total	**Nil**	**Nil**

7. HRD and Publications

Sr. No.	Category	Number
1	Workshops	12
2	Conferences	05
3	Meetings	44
4	Trainings for KVK officials	12
5	Visits of KVK officials	03
6	Book published	Nil
7	Training Manual	Nil
8	Book chapters	Nil
9	Research papers	04
10	Lead papers	Nil
11	Seminar papers	Nil
12	Extension folder	02
13	Proceedings	15
14	Award & recognition	02
15	Ongoing research projects	05