ICAR-ATARI, Pune

DETAILS OF ANNUAL PROGRESS REPORT OF KVKs DURING 2024

(January 2024 to December 2024)

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, 2024)

					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	ShriY.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+ 5400 GP	28.09.2016	-

5.	Subject Matter Specialist	Dr. P.S. Umbarkar	9421138936	Plant Protection	15600-39100	17550+ 5400 GP	16.12.2021	-
6.	Subject Matter Specialist	Mrs. KanchanTayade	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	--	--	--	--	New Administrative Building under construction 2024-25	550	Two Floor constructed
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	--	--	2012	--	--
9	Mini soil testing Kit	--	Available	--	--	2016	--	--
10	Sell Contour	--	Available	--	--	2022	--	--
11	Demo unit	--	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	write off process
LMV- Tata Sumo /MH36/4636	2004	3,69,045	2,34,949	write off process
Mobile Soil Testing Lab MH36/2167	2012	3500000	29,793	Working
Mobile Soil Testing Lab MH36/2168	2012	3500000	51166	Working
Tractor MH-36 2556	2012	5,00,000	2340.5	Working
Mahindra Bolero/ MH-36Z-8615	2019	8,00,000	1,07,593	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	write off process
Chaff Cutter 2 Hp	26.3.2003	10,925	write off process
Groundnut Decorticator	26.3.2003	5,132	write off process
Krushivator	26.3.2003	63,280	write off process
Honda Genset	31.3.2004	55,597	Working
United Genset	2009	247000	Working
Tractor trailer	2009	125030	write off process
Seed cum fertilizer Drill	2009	42,456	write off process
Reaper	2009	83574	write off process
Petro kerosene 2HP Engine	2009	14606	write off process
5 HP Electric Pump	2009	16520	Stolen
Mould Board Plough	2009	23681	Working
PankajPuddler	2009	6600	Not Working
HDPE Pipes	2009	42735	Working

Zero Till Drill	2012	--	Not Working
BBF Planter	2012	--	write off process
Rain Gun	2012	--	write off process
Rice Grain Planter	2012	85000	write off process
Power Weeder (2)	2012	88000	write off process
Brush cutter	2017	48000	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 :2024

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	All Action 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 (2024)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
	Major Field crops			
1	Paddy	185328	421621	22.75
2	Wheat	12339	19056	10.00
3	**Total Cereals**	**204384**	**258831**	**23.67**
4	Gram	16478	6480	8.00
5	Tur	9162	4018	4.38
6	**Total Pulses**	**17262**	**11539**	**14.17**
7	Linseed	3800	1292	3.40
8	Sesamum	500	174	3.49

9	Soyabean	799	826	10.34
10	**Total oilseeds**	**10046**	**6340**	**9.75**
11	Sugarcane	4535	4081500	90.00
12	Major Horticultural crops	--	--	--

Source: District agriculture department. Bhandara

2.5. Weather data (2024)

Month	Normal RF(mm)	Normal Rainy days (number)	Temperature 0 C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
Jan-2024	2.50	1	32.8	7	100	15
Feb-2024	0.00	0	35.7	8.4	100	12
March-2024	29.00	4	36.9	15.1	100	15
April 2024	37.50	5	43.3	17.9	100	13
May-2024	14.02	4	42.2	18.4	100	10
June 2024	188.29	7	43.3	22.7	100	9
July 2024	463.13	23	23.6	23.6	100	48
August-2024	355.03	16	34.4	23.6	100	56
Sept-2024	222.13	15	35.5	22.9	100	56
Oct-2024	36.52	2	36.3	15.1	100	28
Nov-2024	12.06	0	33.4	15.2	100	24
Dec-2024	0.92	0	32.2	8.2	100	19
Total	**1361.1**	**77**	-	-	-	-

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, PapadaKhurd, Mundipar,Bampewada, Malutola	Paddy, Pigeonpea, 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
Tumsar	Tumsar	Sindhpuri, Chulad, Sihora	Safflower, Mustard	Low productivity	

2.8. Discipline-wise Priority thrust areas:2024

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, Paddling , transplanting, Sowing, intercultural and harvesting operation in paddy cultivation To mechanize seed bed preparation, sowing/planting and harvesting operation in rabi crop cultivation

	To introduce agriculture Drone in Paddy Area.
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 Recycling
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**
10	10	130	130	10	10	150	150

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	**81**	**1800**	2693	**200**	**439**	**15000**	**21338**

Seed Production (Qtl.)		**Planting materials (Nos.)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
80	**86.00**	30000	37991l

Livestock, poultry strains and fingerlings (No.)		**Bio-products (Kg)**	
7		**8**	
Target	**Achievement**	**Target**	**Achievement**
Nil	Nil	100	180.5

3.1. B. Operational areas details during- 2024

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	Mono-cropping & Lack of knowledge about IPM	2370	PapadaKh.,Parastola,	OFT, FLD, Training Programme, Method Demonstration
02	Pigonpea	Lack of Knowledge about scientific technology about crop production & Lack of knowledge about IPM	425	PapadaKh.,Parastola	OFT, FLD, Training Programme, Method Demonstration
03	Paddy	Farm Mechanization	1750.6	PapadaKh.,Parastola, Bampewada	OFT, FLD Training Programme, Method Demonstration,
04	Safflower	Farm Mechanization	530.4	PapadaKh.,Parastola Safflower, Mustard	OFT, FLD Training Programme, Method Demonstration,
05	Mustard	Farm Mechanization	256.32	PapadaKh.,Parastola Safflower, Mustard	OFT, FLD Training Programme, Method Demonstration,
06	Sesame	Farm Mechanization	198.5	Malutola	OFT, FLD Training Programme, Method Demonstration,
07	Azolla	Low milk production of local cattle	50	PapadaKh.,Parastola	OFT,Training on cultivation of fodder crops
08	Fodder crop	Less area under fodder crop	12	PapadaKh.,Parastola	FLD,Training on cultivation of fodder crops
09	Chilli	Locally grown varieties of Chilli are having • Inferior quality of fruits • Susceptible to pest and diseases. • Having low yield.	250 Ha.	PapadaKh.,Parastola, Vihirgoav	OFT on Introduction of New varieties of Chilli i.e. ArkaMeghana, ArkaKhyati in the district. Training programme on Package of practices in Chilli.
10	Tomato	Locally grown varieties of Tomato are having • Inferior quality of fruits • Susceptible to pest and diseases. • Having low yield.	150 Ha.	PapadaKh.,Parastola, Vihirgoav	OFT on Introduction of New varieties of Tomato i.e. ArkaSweta, ArkaRakshaki Training programme on Package of practices in Tomato

* Support with problem-cause and interventions diagram

3.2. Technology Assessment and Refinement(Kharif 2024,Rabi2023-24, Summer 2024)

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	1	-	-	-	-	-	-	-	-	1

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	-	-	-	-	-	-	-	02
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Nutrient management	01	-	-	-	-	-	-	-	-	01
Total	**03**	**01**	**01**	**Nil**	**02**	**Nil**	**Nil**	**Nil**	**Nil**	**07**

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	02	-	-	-	-	02
Disease of Management	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-
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	5.2 Ha.
Varietal performance	Tomato	Assessment on disease resistance high yield hybrid variety of tomato for improvement of yield	13	13	5.2 Ha.
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.
	Maize	Assessment of Maize Planter	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-emPretilachlor 50 kg a.i per ha.fbBispyribac 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-emPretilachlor 50 EC @ 0.7 kg a.i per ha.fbBispyribac 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-emPretilachlor 50 EC @ 0.7 kg a.i per ha.fbBispyribac 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 BPH**	13	Spraying of Flonicamid 50 % WG @ 3 gm/ 10 Liter water after attaining ETL (10 hoppers at tillering stage and 5-10 hoppers at panicle stage) of pest, followed by second spraying of Pymetrozine 50% WG @ 6 gm/ 10 Liter of water at 15 days interval	Incidence of BPH	BPH per hill T1: Farmer Practice 6.40 T2: Assed practice -2.70	Asses practice T2 found effective for BPH	Effective Technology for the management of BPH	--	--

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)	--	31.20	Qt/ha	31368	1.84
Technology option 2	Dr.PDKV, Akola	40.34	Qt/ha	56248	2.70

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	Integrated Disease Management	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/haYield 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)	--	6.5	Qt/ha	12695	1.60
Technology option 2	Dr.PDKV, Akola	8.4	Qt/ha	23432	2.14
Technology option 3	Dr.PDKV, Akola	9.2	Qt/ha	27216	2.30

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	EffectiveField 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 details

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	EffectiveField Capacity (ha/h,) Field Efficiency (%), Seed required (kg/ha),Time required ha/hr,Economics of

	performance indicators	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 Positive Reaction from farmers.

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
1	2	3	4	5	6	7	8	9	10
Maize	Rainfed	Climate change, Maximum labour consumption Labour shortage at peak period, Maximum time consumption	Assessment of Maize planter	13	To assess Maize planter sowing of Maize seed	EffectiveField Capacity (ha/h) Field Efficiency (%) Seed required (kg/ha) Time required ha/hr B:C Ratio	0.42 (ha/h) 78(%) 22.5 kg/ ha 2.45 hrs 2.03	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 Maize 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
-	-	Dibbling of maize seed @ 25-30 kg/ ha	Traditional method	8025	Kg/ha	80300	1.83
-	-	Sowing maize seed with planter @ 22.5 kg/ ha	ICAR-CIAEBhopal	9125	Kg/ha	101975	2.03

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 maize Planter
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 maize Planter for sowing maize seed
4	Source of technology	ICAR-CIAE Bhopal
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 maize Planter technology
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 Positive 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	8.34 (lit./animal/day) 9.62 (lit./animal/day)	Supplementation of Mineral mixture powder in diet of Buffalo increases 15.34 % 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	8.34	(lit./animal/day)	18100	1.52
Technology option 2	GADVASU,Ludhiyana,Punjab	9.62	(lit./animal/day)	22580	1.71

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 15.34 % 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 cattle	--	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

Results of On Farm Trial (Horticulture)

C. 1. Results of Technologies AssessedResults 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	ArkaMeghana ArkaSweta	1.No. of Picking per plant 2.Dry Chilliyield (kg/ha) 3.B:C ratio	1.No. of Picking per plant 2.Dry Chilliyield (kg/ha) 3.B:C ratio	1.No. of Picking per plant 2.Dry Chilliyield (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)	--	38.5	Qt/ha	75,850	2.92
Technology option 2	IIHR Bangalore	48.20	Qt/ha	1,06,144	3.76
Technology option 3	IIHR Bangalore	55.25	Qt/ha	1,27,825	4.37

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	Arkaswetha, ArkaMeghana high yield hybrid variety.
4	Source of technology	IIHR, Bangalore

5	Production system and thematic area	Varietal Performance and irrigation
6	Performance of the Technology with performance indicators	Arkaswetha, ArkaMeghana high yield hybrid variety and good quality chilli as compared to local variety
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	ArkaSamarat ArkaRakshak	1.No. of Picking per plant 2.Tomato yield q/ha) 3.B:C ratio	1.No. of Picking per plant 2. Tomatoyield (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 yieldquality.	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**	**B:C Ratio**
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	--	266.26	Qt/ha	93.130	3.32
Technology option 2	IIHR Bangalore	325.20	Qt/ha	1,24,705	4.29
Technology option 3	IIHR Bangalore	379.92	Qt/ha	1,51,060	4.88

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	VarietalPerformance	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	Six innundative release of Trichogramma Japonicum@160000 eggs/ha (8Cards) staring from 30 DAT with subsequent release at an interval of one week	Frontline demonstration	01	13	5.2
04	Pigeonpea	IPDM	Seed treatment of Carboxin 37.5 + Thiram37.5 @ 3 gm/ kg seeds followed by seed treatment with 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	FrontLineDemonstrations	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	FodderManagement	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	Cowpea	VarietalPerformance	Varietal Performance of Cowpea Variety PDKV Rutuja	Front Line Demonstrations	1	13	5.2
10	Okra	Varietal Performance	Varietal Performance of Okra Variety PDKV Pragati	Front Line Demonstrations	1	13	5.2

B. Details of FLDs implemented during 2023(**Kharif 2024,Rabi2023-24, Summer 2024)** (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	Six innundative release of Trichogramma Japonicum@160000 eggs/ha (8Cards) staring from 30 DAT with subsequent release at an interval of one week	Kharif-2024	5.2	5.2	3	10	13	--
02	Pigeonpea	IPDM	Seed treatment of Carboxin 37.5 + Thiram 37.5 @ 3 gm/ kg seeds followed by seed treatment with Trichoderma 4gm per kg seed (Management of Pigeonpea Wilt)	Kharif-2024	5.2	5.2	4	09	13	--
03	Pigeonpea	VarietalPerformance	Varietal Performance of Pigeonpea Variety BDN-716 and seed treatment with biofertlizer (Rhizobium+ PSB+Trichoderma)	*Kharif - 2024*	6	6	03	12	15	Nil
04	Safflower	VarietalPerformance	Varietal Performance of Safflower Variety AKS-207 and seed treatment with biofertlizer (Azatobactor+ PSB+Trichoderma+chemical fertilizers/ micronutrients spray)	*Rabi -2023-24*	6	6	03	12	15	Nil
05	Safflower	Farm Mechanization	Use of seed cum fertilizer drill for Sowing of safflower	*Rabi -2023-24*	06	06	04	11	15	Nil
06	Paddy	Farm Mechanization	Use of Rice Grain Planter for Sowing of Paddy	Kharif-2024	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 -2023-24*	1.6	1.6	00	16	16	Nil
08	Giriraj Birds	Poultry Management	Demonstration on supplementation of 3 % linseed oil on the performance of Girirajpoultry birds	Kharif -2024	--	--	00	10	10	Nil
09	Cowpea	Varietal Performance	Varietal Performance of Cowpea Variety PDKV Rutuja	Summer-2025	5.2	5.2	3	10	13	Nil
10	Okra	Varietal Performance	Varietal Performance of Okra Variety PDKV Pragati	Kharif -2024	5.2	5.2	4	9	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-Long Duration	*Kharif* 2024	Rainfed	Clay loam	Low	Low	High	Chickpea	12 June 2024	20-21Oct.2024	1512.40	61
Paddy-Short Duration	*Kharif* 2024	Rainfed	Clay loam	Low	Low	High	Chickpea	20 june2024	12-15 Oct 2024	1512.40	61
Chickpea	*Rabi* 2023-24	Protective irrigation	Clay loam	Low	Low	High	Paddy	20 Oct 2024	12-15 Jan 2025	1512.40	61
Safflower	*Rabi* 2023-24	Rainfed	Clay loam	Low	Low	High	Paddy	20 Oct 2024	12-15 Jan 2025	1512.40	61
Mustard	*Rabi* 2023-24	Rainfed	Clay loam	Low	Medium	Medium	Paddy	20 Oct 2024	12-15 Jan 2025	1512.40	61
Redgram	Kharif 2024	Rainfed	Clay loam	Low	Medium	HIgh	Paddy	20 June 2024	10-20 Jan 2025	1512.40	61
Feed and fodder	*Rabi* 2023-24	Rainfed	Clay loam	Low	Medium	HIgh	Paddy	Jan & Feb 2024	15 Dec 2025	1512.40	61

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	Tomato varietyArka rakshakis 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 ofMustard improved variety TAM 108-1,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 organized	Date	Number of participants	Remarks
1	Field days	04	January, February, 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												
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toria																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sunflower																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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																		
Blackgram																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greengram																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chickpea																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fieldpea																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lentil																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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																			
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	Six innundative release of Trichogramma Japonicum@160000 eggs/ha (8Cards) staring from 30 DAT with subsequent release at an interval of one week	13	5.2	31.10	29.0	30.10	27.30	10.26	3.65 Stem Borer %	7.86 Stem Borer %	33600	66220	32620	1.97	34600	60060	25460	1.73
Pigeonpea	IPDM	Seed treatment of Carboxin 37.5 + Thiram 37.5 @ 3 gm/ kg seeds followed by seed treatment with Trichoderma 4gm per kg seed (Management of Pigeonpea Wilt)	13	5.2	8.20	7.20	7.67	6.42	19.47	2.5 Wilt%	8.5 Wilt %	25346	5798.5	34448.5	2.36	24460	48471	23125	1.91

Waterlogged Situation																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coarse Rice																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scented Rice																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat Timely sown																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wheat Late Sown																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mandua																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barley																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amaranth																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millets																			
Jowar																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bajra																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barnyard millet																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finger millet																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables																			
Okra		**Varietal performance of Cowpea variety PDKVAkolaPragati**	13	**5.2**	**54.26**	**48.51**	**51.38**	**46.40**	**16.93**	**-**	**-**	**33,000**	**1,12,520**	**78,620**	**3.31**	**35,000**	**83,520**	**48,520**	**2.38**
Bottlegourd																			

-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bittergourd																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cowpea		**Varietal performance of Cowpea variety PDKV Rutuja**	13	**5.2**	**82.5**	**78.22**	**78.05**	**73.6**	**12.09**	**-**	**-**	**81297**	**305250**	**223953**	**3.75**	**80592**	**272320**	**192728**	**3.37**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spongegourd																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Petha																			
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Tomato																			
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Frenchbean																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Capsicum																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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																			
-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
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																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Garlic																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Turmeric																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial Crops																			
Sugarcane																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potato																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal & aromatic																			

plants																			
Mentholment																			
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Kalmegh																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ashwagandha																			
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder Crops																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cowpea (F)																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize (F)																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lucern																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berseem																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oat (F)																			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 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										
	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

* 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	2.97	16.16	--	--	33600	44300	10700	1.31	40600	45800	5200	1.12

Buffalo																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buffalo Calf																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairy																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry																	
Kaweri Birds	Poultry Management	Demonstration on supplementation of 3 % linseed oil on the performance of Giriraj poultry birds	13	130	1.4	1.64	17.14	--	--	20700	34000	13300	1.64	16000	23000	7000	1.43
Sheep & Goat																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vaccination																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 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																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Composite fish culture																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Feed Management																	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* 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																
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 Ricegrainplanterfor sowing paddy crop	15	6	Labor reduction (man days) Cost reduction (Rs./ha or Rs./Unit etc.)	2.5	18	The Save the Cost of operation and labour was reduce 15.5 man/hr over farmers practice	-	15.5	-	15.5	-	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	27	570	184	754	198	70	268	**1496**	**933**	1022

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	27	433	210	643	54	44	98	487	254	741

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	4	168	191	359	14	4	18	182	195	377
Soil & water conservatioin	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	4	298	228	526	10	6	16	308	234	542
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Total	12	**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	1	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	1	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	08	**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	02	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	02	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	01	30	10	70	10	05	10	95	45	80
Others (pl specify)	01	60	20	80	05	05	10	65	25	90
Total	**12**	**390**	**110**	**500**	**41**	**141**	**182**	**431**	**241**	**672**
VII Plant Protection										
Integrated Pest Management	2	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	8	**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	2	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	2	115	40	155	9	9	18	124	49	173
Total	6	**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	54	1003	394	1397	252	114	366	1983	1187	1765

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	9	**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	12	**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	4	57	32	89	16	7	23	73	39	**112**
Propagation Techniqes in Fruit crops	1	60	20	80	3	7	10	63	27	90
Protected cultivation of vegetable crops	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	-	-	-	-	-	-	-	-	-	-
Value Addition in Lime	-	-	-	-	-	-	-	-	-	-
Small scale processing	1	20	10	30	5	2	7	25	12	37
Post Harvest Technology	1	30	4	34	5	1	6	35	5	40
Tailoring and Stitching	1	20	15	35	0	0	0	20	15	35
Rural Crafts	1	15	2	17	2	0	2	17	2	19
Production of quality animal products	1	8	1	9	3	1	4	11	2	13
Dairying	1	14	1	15	1	0	1	15	1	16
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	1	30	4	34	5	1	6	35	5	40
IPM & IDM	-	-	-	-	-	-	-	-	-	-
TOTAL	21	331	108	439	52	25	77	383	133	516

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	02	12	32	44	2	4	6	14	36	50
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	02	12	32	44	2	4	6	14	36	50

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	589	10225	75	10300
Diagnostic visits	43	374	21	395
Field Day	4	310	5	315
Group discussions	4	104	4	108
KisanGhosthi	10	600	4	604
Film Show	17	1938	30	1968
Self -help groups	4	96	0	96
KisanMela	6	1288	26	1314
Exhibition	9	1974	11	1985
Scientists' visit to farmers field	62	143	3	146
Plant/animal health camps	3	40	2	42
Farm Science Club	12	368	4	372
Ex-trainees Sammelan	4	196	40	236
Farmers' seminar/workshop	5	276	3	279
Method Demonstrations	73	79	0	79
Celebration of important days	28	1302	20	1322
Special day celebration	18	1708	19	1727
Exposure visits	4	38	0	38
Total	**895**	**21059**	**267**	**21326**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	00
Extension Literature	10
Newspaper coverage	84
Popular articles	22
Radio Talks	08
TV Talks	07
Animal health amps (Number of animals treated)	02
Social Media (No. of platforms Used)	07
Others (pl. specify)	-
Total	**140**

3.6 Online activities during year 2024

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	Training programme on Water chestnut cultivation	03	133
1					
	Total			03	133
4		**YouTube Live**		00	00
	Total			**00**	**00**
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**	**133**

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	Napier	CO-4	-	1000	1000/-	5
	Napie	CO-5	-	900	900/-	4
	Napie	Super Napier-1	-	1500	1500/-	3
	Napie	DHN-6	-	300	300/-	3
	Paddy	PDKV, Sadhana	-	1300	71500/-	30
	Paddy	Sindewahi-2001	-	542	29810/-	20
.	Paddy	PDKV-Tilak	-	782	46920/-	22
	Paddy	PDKV-Tilak		5976	215136/-	0
	Custard apple	Balanagar		130	3900/-	31
	Drumstick	PKM-1		61	1220/-	15
	Okra	PDKV Pragati		50	2000/-	55
	Brinjal	AKBL-9		50	2000/-	45
	Marigold	Yellow suprim		8.5	680/-	6
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
	-	-	-	-	-	-
Spices	-	-	-	-	-	-
	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
	-	-	-	-	-	-
Others	-	-	-	-	-	-
Total				**12599.5**	**3,76,866/-**	

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	180.5	24,475/-	83
	-	-	-	-
Bio-pesticide	-	-	-	-
	-	-	-	-
Bio-fungicide	-	-	-	-
	-	-	-	-
Bio Agents	-	-	-	-
	-	-	-	-
Others (Azolla)	Azolla	34.5	3,450/-	20
Total	-	**215**	**27,925/-**	**103**

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.)

KVK Bhandara started e newsletter quarterly and published on website.

B. Literature developed/published

Item	Title	Authors name	Number
Research papers		Dr. Usha R. Dongarwar	05
Technical reports	-	-	-
News letters	e newsletter of KVK	-	01
Technical bulletins	Agriculture Advisory twice in a week	-	832
Popular articles	--		22
Extension literature	-	-	10
Newspaper coverage	-	-	89
Others (Pl. specify) Books	Natural/organic farming Farmers Diary	-	500 500
	TOTAL		**1959**

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)	15	KVK Bhandara	339
2	Facebook page/ Account (no of Post)	219	KVK Bhandara	4667
3	Mobile Apps	Nil	Nil	
4	WhatsApp groups	42	KVK Bhandara1, KVK Bhandara2,KVKPapada,OrganicSakoli, DAMU Sakoli,CottonFarmers,KVKBhandara Dairy Farmers,DAES-III,	5319
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).

CASE STUDY

Management of Paddy Stem borer

Situation analysis: A brief statement of problem regarding area affected by pest and diseases, productivity loss, quality decline, income reduction, climatic situation and loss of natural resources-erosion of soil and water.

Plan, implement and support: Problems tackled by KVK through implementation of FLDs/extension activities, provision of critical inputs/ technologies (quality seeds, bio products,

micronutrients, and bio-pesticides, IPM technology), technical support, literature, advisory services, trainings, farmers conventions, involvement of all line departmental officials, farmers and scientists interfaces, etc.

Output: Results achieved among participating farmers about skill and knowledge gained productivity in demonstration field, reduction in problems in terms of pest and diseases, increased in production, increased economic benefit, processed products-quantity and quality.

Outcome: Horizontal spread of technologies related to problem solving in neighbouring villages and blocks in terms of area and number of farmers, economic benefits, reduction in use of chemical inputs like pesticides, weedicides and fertilizers, improvement in the farming economics status.

Impact: Evidence related to technological benefits like change in area, changes in production and productivity, economic contribution to of the village / block/ district.

Social benefits: Education of children status increased in the society, purchase of live stock, farm machinery, farm infrastructure development and construction of house.

Introduction: Agriculture plays a vital role in Indian economy. Prosperity of agriculture largely depends on onset and distribution of rainfall. Seventy percent of arable land depends on rainwater for creation of greenery. Deviation of rainfall from the normal, greatly affects the crop production. Rainfed farming constitutes to be very risky especially due to vagaries of monsoon. The last 2-3 decades has witnessed sever climatic aberrations resulting in droughts, unseasonal rains, uneven distribution of rainfall and floods, thus making agriculture a risky profession. Successful farming depends on the efficient utilization of previous and vital natural resource like rain water, through adoption of technologies on high yielding drought tolerant varieties, cropping system, production technology, Integrated Farming System, soil type and climatic condition also synergise to enhance the farm output. The skillful integration of various measures required for drought proofing in order to bring income security to the farmers of rainfed ecosystem.

Bhandara district is situated in Wainganga basin. Bhandara is one of the major administrative districts in Maharashtra, and is located in the Nagpur division at 21°10'N 79°39'E. Covering an area of 4087 km^2, the district of Bhandara is segregated into three sub-divisions, Bhandara, Tumsar and Sakoli, that are further divided into seven talukas. Bhandara sub-division is divided into two talukas: Bhandara and Pauni.Tumsar division have Tumsar and Mohadi. Sakoli sub-division is divided into three talukas: Sakoli, Lakhani and Lakhandur.

The average rainfall of Bhandara District is 1330 mm but dry spell and uneven distribution of rainfall crop growth suffer during rainy season. The district occupies an area of 3,42,000 in which cultivable area is 2,07,000 ha. Out of it farming is done on 1,78,300 ha. Due to heavy rainfall situation more than 89 per cent area is under Paddy crop. On the bunds of field Pigeon pea (Tur) is dibbled on bunds. Due to puddling hardness of soil in rabi season is observed hence very little area is under crops, in want of tillage operations many farmer's do relay cropping of *lathyrus* in standing paddy crops.

Situation analysis:

- ✓ Farmers of SakoliTaluka District: Bhandara cultivate paddy in Kharif as well as rabiSeaseon. Due to monocropping, severe incidence of paddy stem borer, Gall midge, BPH seen on Paddy crop.
- ✓ Mostly, farmers use mixture of chemical insecticides, fungicides and growth regulators. The reasons for low productivity are use of existing long durated variety, no seed treatment, imbalanced use of nutrients, infestation of pests and diseases.
- ✓ Cost of chemical insecticide is very high and cause harmful effect to natural enemies as well as humans.
- ✓ So there is need to adopt biological control strategy for management of insect pests.

Strategies adopted by KVK:

- ✓ The constraints faced by the farmer in Paddy, KVK developed strategies for interventions.
- ✓ The major focus of the KVK is introduction of *Trichogrammajaponicum @1,60,000 eggs per ha*.
- ✓ And also to give economic security to the farmers through these interventions and KVK transferred ICM technology in Paddy.

Organization of sensitization programme

- ✓ From 2022-23 to 2024-25 KVK organized sensitization programme in the villages on management of pests of paddy. Totally 09 sensitization programme organized.
- ✓ Thus programmes created lot of impact on farmers to take up new variety, apart from this programme, seminars, farmer conventions, farmers-scientists interactions, field-days were also organized.

Front Line Demonstrations

Year	No of FLDs	Area (ha)	No of Demonstrations
2022-23	**1**	**5.2**	**13**
2023-24	**1**	**5.2**	**13**
2024-25	**1**	**5.2**	**13**

Farm advisory services:

After front line demonstration (FLD-KVK) in farmer's field, timely farm advisory services were given to farmers. The various farm advisory services are crop geometry, method demonstrations, application of nutrients, pest and disease diagnosis and their management, weed management, harvesting and post harvesting techniques were rendered to farmers by KVK.

Convergence and linkages with line department:

The KVK established good linkages and convergence with all line departments. The KVK involved State Department of Agriculture and other department officials in field visits, organization of trainings and seminars, field days, technical support and farm advisory services. Technologies were also deliberated in programmes like Krishi Abhiyana, ATMA programmes, of the department. KVK has also developed linkage with organic farmers group and promoted organic technologies. KVK scientists developed techno-agents for imparting improved technologies to the paddy cultivating farmers.

Horizontal and vertical spread of technology on management of Paddy Stem borer by releasing of *Trichogrammajaponicum @1,60,000 eggs per ha* during year 2022 to 2024 under Front Line Demonstration

Krishi Vigyan Kendra, Sakoli (Bhandara) has conducted Front Line Demonstration (FLDs) on Management of Paddy Stem borer by releasing of *Trichogrammajaponicum*@1,60,000 eggs per ha on 5.2 ha area during 2022-23 to 2024-25.

Table No.1 Detail of Front Line Demonstration's (FLS's)

Sr No	Name of Village	Tahasil	No's of beneficiary farmer	Year

1	PapadaKh	Sakoli	13	2022-23
2	PapadaKh	Sakoli	13	2023-24
3	PapadaKh	Sakoli	13	2024-25

Table No.2 Impact of FLD on horizontal spread of Technology on Management of Paddy Stem borer by releasing *Trichogrammajaponicum*@1,60,000 eggs per ha

Year	Area under Paddy Crop (Ha)	Area under technology		No. of farmers		Change in Area	Change in adopters
		Before	After	Before	After		
2022-23	44.25	0	5.2	0	13	5.2	13
2023-24	44.25	5.2	9.2	13	23	4.0	10
2024-25	44.25	9.2	13.6	23	34	4.4	11
					Total	13.6	

Table No.3 Impact of technology on Management of Paddy Stem borer by releasing *Trichogrammajaponicum* @1,60,000 eggs per ha on horizontal spread

Crop	Technology	Area under Paddy (ha)	Area ha		Change in area (ha)	Impact (% change)
			Before	After		
Paddy	Release of *Trichogrammajaponicum*@1,60,000 eggs per ha	44.25 ha	0	13.6	13.6	30.74

Table No. 4 Yield and Economics

Year	Yield (q/ha)		Cost of Cultivation		Gross Return		Net Return		B:C Ratio
	Demo	Check	Demo	Check	Demo	Check	Demo	Check	
2022-23	29.79	26.20	33870	34600	65538	57640	31938	23040	1.95
2023-24	30.43	27.20	31570	32400	66946	59840	35376	27440	2.12
2024-25	28.50	24.70	33800	34350	62700	54340	30500	19990	1.94
Total	**88.72**	**78.1**	**99240**	**101350**	**195184**	**171820**	**97814**	**70470**	**6.01**
Average	**29.57**	**26.03**	**33080**	**33783**	**65061**	**57273**	**32604**	**23490**	**2.00**

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
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5.1. Indicate the specific training need analysis tools/methodology followed for
2.Extension Research (2024-25)

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 2024-25.

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:

- Papdakh.

For needs assessment of farmers of Papdakh, 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 Papdakh. 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 Papdakh. 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,pooreconomic 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,PapadaKh.
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	Farmers Success stories
5	Doordarshan, Nagpur	Farmers Success stories
6	UMED Sakoli	Farmers melawa, Exhibition
7	PanchayatSamitisakoli	Participation in extension activities like melawa, training, etc.
8	Animal Husbandry & Veterinary Science	Conducting training Programmes
9	District sericulture officer	Conducting training Programmes
10	District Fishery officer	Conducting training Programmes
11	Directorate of weed research, Jabalpur	Water Hyacinth

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	2024	IMD Pune	**1644233**
CROPSAP	2024	ATMA Bhandara	**40000**
DAESI	2024	ATMA Bhandara	**740000**
MNOOP Oilseed	2024	ICAR-ATARI Pune	**15000**
NFSM Pulses	2024	ICAR-ATARI Pune	**322848**
SAP	2024	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?

KrushiVigyankendra, 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	15	12	
02	**Research projects**		01	01	
03	**Training programmes**	Framers TraingProgramme	22	10	
04	**Demonstrations**	Demonstrations on	05	03	
05	**Extension Programmes**		13	06	
		Technology week	1	1	
		Exhibition	2	3	
		Soil health camps	1	1	
		Animal health campaigns	1	1	
		Farmers field school	4	0	
		Capacity development	6	1	
		Kisanmela	3	2	
		Agri-preneurs development	1	1	
		Video films	2	5	
		Watershed approach	1	1	
		Exposure visit	2	1	
06	**Publications**				
	Video Films	-	02	05	-
	Books	-	-	-	-
	Extension Literature	-	00	00	-
	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, KisanGoshti, KisanMelva, 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 celebrationduring2024 Yes/No, If Yes

Period of observing Technology Week: From One week in December, 2024
Total number of farmers visited :-415
Total number of agencies involved :-01
Number of demonstrations visited by the farmers within KVK campus:-07

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	2	80	Paddy,AnimalHusbandry,Farm Implement
Lectures organized	21	410	Paddy,AnimalHusbandry,Farm Implement
Exhibition	1	210	-
Film show	2	180	-
Fair	1	70	-
Farm Visit	1	450	-
Diagnostic Practicals	7	65	-
Supply of Literature (No.)	5	165	-
Supply of Seed (q)	10	350	-
Supply of Planting materials (No.)	1	20	-
Bio Product supply (Kg)	1	30	-
Bio Fertilizers (q)	5	205	
Supply of fingerlings	0	0	
Supply of Livestock specimen (No.)	0	0	
Total number of farmers visited the technology week	7	415	
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	30
Total	02	2	30

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	**12**	**456**	**10**	**604**	**4**	**315**	**6**	**1314**	**9**	**1985**	**17**	**1968**
Total	**1060**				**1629**				**3953**			

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

1. Extension Research (2024-25)

***Title*:Impact of Natural farming training programmes organized by KVK, Sakoli (2024-25)**

***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 (2024-25) in Bhandara district farmers. KVK, Sakoli conducted 300 farmers training programmes on Natural farming under *Natural Farming Yojna* (NF), under the sponsorship of Agriculture Technology Management Agency (ATMA) Bhandara, throughout the year 2024-25. 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 training effectiveness.
2) 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 (2024-25).

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 Natural farming 300 trainees were selected for present study.

Results and discussion:-

1) **Natural farming training under *Natural farming (NF)*programme.**

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

S.No	Aspects of Natural farming training under PKVY programme.	Pre training (mean)	Post training (mean)	Difference
1	Natural farming Schemes	1.56	2.47	0.91
2	Importance/use of livestock in NF	1.54	2.51	0.97
3	Use of crop Mulching	1.28	2.37	1.09
4	Use of minimum tillage	1.27	2.56	1.29
5	Irrigation management	1.21	2.52	1.31
6	Green Manuring crops	1.26	2.44	1.18
7	Use of Bio fertilizers and culture production	1.58	2.63	1.05
8	Production and use of FYM/NADEP compost	1.47	2.63	1.16
9	Production and use of *Vermicompost*	1.38	2.61	1.23
10	Production and use of *JivamrutandBijamrut*	1.19	2.60	1.41
11	Production and use of *Plant extract* for pest management*(Neem and Dashparniarketc)*	1.15	2.56	1.41
12	Natural farming certification and procedure	1.43	2.64	1.21
13	Marketing and value addition	1.43	2.65	1.22
14	Formation of FPO/FPC	1.23	2.57	1.34

In order to ascertain the impact of Natural 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 Naturalfarming training respondents

Sr.No	Impact dimension	Mean		Percent change
		Pre training	Post training	
1	Knowledge	18.99	35.74	88.20

The data depicted in table 2 show the change in knowledge in Naturalfarming training respondents, pre training mean score was 18.99 and post training mean score was 35.74 observed, percent change in knowledge was observed 88.20.

Table 3. Training effectiveness of Naturalfarming training

Sr. No	Indicators	Total obtainable mean score	Obtained mean score	Training effectiveness
1	Topics covered	3	2.76	92.00
2	Utility of topics	3	2.78	92.67
3	Relevance of lectures	3	2.74	91.33
4	Fulfillment of expectation	3	2.71	90.33
5	Practical Orientation	3	2.77	92.33
6	Relevance of study material	3	2.75	91.67
7	Quality of training	3	2.74	91.33
	Total	**21**	**19.25**	**91.67**

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 (92.67% & 92.33%) followed by Topics Covered (92.00%), Fulfillment of expectation (90.33%) and Relevance of study material (91.67%), Quality of training (91.33%) and Relevance of lectures (91.33%). Overall training effectiveness score of the Naturalfarming training programme worked out to be 91.67 which indicated that the KVK training can be considered to be effective with respect to the dimensions under study.

Table 4. Training satisfaction of Naturalfarming training

Sr. No	Indicators	Total obtainable mean score	Obtained mean score	Training satisfaction
1	Technical competence	18	15.35	85.27
2	Facilities provided	9	8.31	92.33
3	Communication mode	15	13.51	90.06
	Total	**42**	**37.17**	**88.50**

It could be observed from table 4 that out of three major dimensions taken for the study, the satisfaction score for Facilities provided was found to be the highest (92.33) followed by communication mode (90.06) and technical competence (85.27). Overall training satisfaction score of the Naturalfarming training programme worked out to be 88.50 which indicated that the respondents of Naturalfarming training more satisfied with respect to the training satisfaction dimensions.

B. Cases of large scale adoption

(Please furnish detailed information for each case)

Title: Impact of Front Line Demonstrations (FLDs) on PDKV Tilak

Krishi Vigyan Kendra, Bhandara is playing important role in popularizing improved technologies. KVK conducted frontline demonstrations ofPaddy(PDKV Tilak). FLDs are demonstrated on farmer's field and on their farming situation. The FLDs conducted on farmer's field are closely monitored by the KVK scientists. KVK arranged different extension activities like field day and group discussion to visualize the result of FLD over conventional method. To find out impact of the PDKV Tilak FLDs demonstrated by KVK on its beneficiaries, this study was conducted in bhandara district

Objectives of the study:-

The objectives of the study were 1) To study impact of the FLDs demonstrated by KVK, Sakoli on its beneficiaries.

Methodology:-

2) **Research design used for the study: -** The Ex-post facto research of the social research was used in the present study as it aimed to ascertaining the impact of the FLDs on the paddy grower.
3) **Locale of study**: - Present study was conducted in the villages of Bhandara district where Front Line Demonstration on paddy were organised by Krishi Vigyan Kendra, Sakoli (Bhandara) of the Vidarbha region of the Maharashtra state.
4) **Selection of Taluka and Villages** - KVK, Sakoli had been conducted 30 demonstrations on Paddy in Kharif season in last 2 years at Sakoli block of Bhandara district. In Sakoli block Papdakh selected for study where the Front Line Demonstration on paddy were conducted.
5) **Selection of farmers as respondents** – A list of farmers in selected villages was obtained where the FLDs on paddy were conducted KVK, Sakoli. All 30 FLDs beneficiary were selected for the study.

Variables and their measurement

1) Technological gap (Yield gap I)= potential yield – demonstration plot yield
2) Extension gap (Yield gap II)= demonstration yield– actual yield (farmers practice)
3) Total yield gap = potential yield – actual yield
4) Technology index **(%)=** technology gap/potential yield X 100

Results and discussion

Table1. Impact of FLDs on Extension, Technology gap and yield index of PDKV Tilak

raeY	Area (ha)	No.of Demos	Yield (kg/ha)			% increase in yield	Extension gap (kg/ha)	Technology gap (kg/ha)	Technology index (%)
			Potential yield	Demonstration yield	Farmers yield				
2023-24	6.00	15	6050	4167	3240	28.61	927	1883	31.12
2024-25	6.00	15	6050	4335	3428	26.45	907	1715	28.34
Pooled data	**-**	**-**	**6050**	**4251**	**3334**	**27.53**	**917**	**1799**	**29.73**

Yield parameters: The perusal of data indicate that rice average yield 4251 kg/ha was obtained under demonstration plots as compared to farmers practice plots yield 3334 kg/ha consecutively. These results clearly indicate that the higher average yield was obtained in demonstration plots over the years compared to farmers practice due to adoption of scientific recommended package of practices in paddy cultivation.

Extension gap: on an average extension gap under two year FLDs programme was 917 kg/ha. This emphasis the need to educate the farmers through various techniques for the adoption of improved agricultural production technologies for the adoption of scientific recommended package of practices in paddy cultivation.

Technology gap: The average technology gap recorded as 1799 kg/ha. Hence location specific technologies/recommendation are necessary to bridge these gaps.

Technology Index: The average technology index recorded as 29.73 per cent which shows the effectiveness of technical interventions.

Table No.2 Impact of FLD on horizontal spread of Technology on PDKV Tilak

Year	Area under Paddy Crop)Ha(	Area under technology (ha)		No .of farmers		Change in Area (ha)	Change in adopters
		Before	After	Before	After		
2023-24	44.25	00	6.00	00	15	6.00	15
2024-25	44.25	6.00	15.40	15	38	9.40	22

Table No.3 Impact of technology on horizontal spread

Crop	Variety/Technology	Area under Paddy)ha(	Area ha		Change in area)ha(	Impact %) change(
			Before	After		
Paddy	PDKV Tilak	44.25 ha	0.0	15.40	15.40	34.80

Table No.4 Vertical spread of Technology on PDKV Tilak

Year	Area under Vertical spread)ha(	No .of farmers under Vertical spread
2023-24	6.00	15
2024-25	13.20	15

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

2. Extension Research (2024-25)

***Title*:Impact of Dairy Management training programmes organized by KVK, Sakoli (2024-25)**

***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 (2024-25) in Bhandara district farmers. KVK, Sakoli conducted major training programmes on Dairy management throughout the year 2024-25 at Model village Papdakhurd. 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 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 (2024-25).

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. Thus Dairy Management 30 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	Govt& 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 & 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 2024	55	8840	--
Feb 2024	51	8910	--
March 2024	38	9040	--
April 2024	55	9355	--
May 2024	41	9537	--
Jun 2024	61	9988	--
Jul 2024	62	10030	--
Aug 2024	51	10080	--
Sept 2024	55	10110	--
Oct 2024	40	10150	--
Nov. 2024	30	10190	--
Dec. 2024	50	10300	--

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
KVK Bhandara	Text only	210	18	165	15	173	08	589
	Voice only	--	--	--	--	--	--	--
	Voice & Text both	--	--	--	--	--	--	--
	Total Messages	210	18	165	15	173	08	589
	Total farmers Benefitted	**6500**	**4565**	**8310**	**4565**	**8310**	**4565**	**36815**

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	28.06.24	30.11.24	1.53	PDKV Sadhana	Seed	35.8	-	-	-
Paddy	27.06.24	22.11.24	1.32	Syndewahi -2001	Seed	28.40	-	-	-
Paddy	28.06.24	24.11.24	0.77	PDKV-Tilak	Seed	32.90	-	-	-
Paddy	28.06.24	24.11.24	3.20	PDKV-Tilak	Seed	59.76	-	-	-
Pulses									
Wheat	-	-	-	-	-	-	-	-	-
Sunhemp	-	-	-	-	-	-	-	-	-
Oilseeds									
Safflower	25.12.2024	-	2.00	PKV Pink	Seed	-	-	-	-
Mustard	22.12.2024	-	2.00	TAM-108-1	Seed	-	-	-	-
Sunheamp	15.12.2024	-	1.00	Local	Seed	-	-	-	-
Spices & Plantation crops									
Floriculture	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Others (specify)									
Fodder Crop	Jan-Dec 2024	--	--	Phule Jaivant, DHN-6,CO-4,C0-5	Sets	10000	1/set	10000	-
Azolla	Jan-Dec 2024	-	-	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	Tricoderma, Biomix, Decomposer, Pseudomones	180.5	Nil	24,475/-	Nil
	Bio-Fungicides	Nil	Nil	Nil	Nil	Nil
	Bio-pesticides	Nil	Nil	Nil	Nil	Nil
	Bio-Agents	Azolla	34.5	100	3450	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 **2024**	NIL	NIL	NIL
February **2024**	NIL	NIL	NIL
March **2024**	NIL	NIL	NIL
April **2024**	NIL	NIL	NIL
May **2024**	NIL	NIL	NIL
June **2024**	NIL	NIL	NIL
July **2024**	NIL	NIL	NIL
August **2024**	NIL	NIL	NIL
September **2024**	NIL	NIL	NIL
October **2024**	NIL	NIL	NIL
November **2024**	NIL	NIL	NIL
December **2024**	NIL	NIL	NIL

F. Database management

S. No	Database target	Database created
1.	**2500**	**3000**

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	KVK Bhandara	Training programme on preparation of value added milk and milk products	5 days	0	0	6	19	6	19
2	KVK Bhandara	Training programme on value addition of fruits and vegetable	5 days	0	0	6	19	6	19

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 2024-25 (Rs. in lakh) (Till February, 2025)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	171.81	171.81	177.95
2	**Contingencies**	12.29	12.29	12.33
3	**TSP**	3.00	3.00	2.99
	SCSP			
	GIA/General Conti			
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)		**187.1**	**187.1**	**193.27**

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 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 January 2024	48.39	6.42	6.87	47.94
April 2024 to January 2025	47.94	13.78	6.89	54.83

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. PrashantUmbarkar	Subject Matter Specialist (Plant Protection)	Empowering Extension Functionaries Leadership Development and Team Building Excellence	Dr. PDKV,Akola and EEI Annad	Offline
Miss. Kanchan D. Tayade	Subject Matter Specialist (Horticulture)	Empowering Extension Functionaries Leadership Development and Team Building Excellence	Dr. PDKV,Akola and EEI Annad	Offline
Shri. PramodParwate	Subject Matter Specialist (Extension Education)	Training on Advance training methods and mass media technique for effective technology transfer	Dr. PDKV,Akola and EEI Annad	Offline
Dr. PravinKhirari	Subject Matter Specialist (AHDS)	Training on Advance training methods and mass media technique for effective technology transfer	Dr. PDKV,Akola and EEI Annad	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.Papada Kh Tah. Sakoli, District Bhandara	75	1)Paddy+ Vegetables 2)Paddy +Chickpea/ Lathyrus /Linseed + Oilseed 3) Vegetables + Poultry 4)Vegetables + Goat + Fodder Crop+ Dairy	75	34,5,17/-	**46,3,22/-**

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	05	113
2	Cleaning and beautification of surrounding areas	04	65
3	Vermicomposting/Composting of biodegradable waste management & other activities on generate of wealth for waste	03	55
4	Used water for agriculture/ horticulture application	01	20
5	Involving and with the help of the farmers, farm women and village youth in their adopted villages (no of adopted villages)	06	193

Sr. No	Name of KVK	Date	*Activity*	No of VIPs	No of Farmers	Others	Total
01	KVK Bhandara	January to December 2024	1.Preparation of vermicompost, 2.Awareness regarding swachhta activity, 3. Awareness programme on waste management	07	422	17	446

21. Books published 2024

Title of the Book	Authors	ISBN No (Optional) / Pages No	Description/review of the book (one paragraph/sentence)
Natural Farming /Organic Farming	Dr. Usha. R. Dongarwar Shri.P.P.Parwate ShriY.R.Mahalle Dr.P.B.Khirari Dr. P.S. Umbarkar Mrs. KanchanTayade Shri. K.S.Gaikwad	78	Detail information regarding Natural Farming /Organic Farming
Farmers Dairy	Dr. Usha. R. Dongarwar Shri.P.P.Parwate ShriY.R.Mahalle Dr.P.B.Khirari Dr. P.S. Umbarkar Mrs. KanchanTayade Shri. K.S.Gaikwad	56	For noting field operation for farmers

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	54	1123	642	1765
Rural youths	21	402	114	516
Extension Functionaries	06	283	129	412
Sponsored Training				
Vocational Training	-			-
Total	**81**	1808	885	2693

2. Frontline demonstrations

Enterprise	No. ofFarmers	Area(ha)	Units/Animals
Oilseeds			
Pulses	**26**	**10.4**	
Cereals	**26**	**10.4**	
Vegetables	**26**	**10.4**	
Other crops	**26**	**10.4**	
Hybrid crops	--	--	
Total			
Livestock & Fisheries	**26**	--	
Other enterprises			
Azolla		-	
Fodder Crop			
Total			
Grand Total	**130**	**41.6**	

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	**8**	**8**	**104**
Livestock	**2**	**2**	**26**
Various enterprises	-	-	-
Total	**10**	**10**	**130**
Technology Refined			
Crops	--	--	--
Livestock	--	--	--
Various enterprises	--	--	--
Total	--	--	--
Grand Total	**10**	**10**	**130**

Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	306	11026
Other extension activities	133	10312
Total	**439**	**21338**

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	210	18	165	15	173	8	589
	Voice only	--	--	--	--	--	--	--
	Voice & Text both	--	--	--	--	--	--	--
	Total Messages	210	18	165	15	110	8	589
	Total farmers Benefitted	**6500**	**4565**	**8310**	**4565**	**8310**	**4565**	**36815**

5. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	86.00	3,65,033/-
Planting material (No.)	3999	13500/-
Bio-Products (kg)	180.5	23465/-
Livestock Production (No.)	938.14	333316/-
Fishery production (No.)	--	--
Other (Azolla+Others)	0.34+1002 lit	53580/-
Total		7,88,894/-

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	16
2	Conferences	02
3	Meetings	56
4	Trainings for KVK officials	04
5	Visits of KVK officials	05
6	Book published	01
7	Training Manual	01
8	Book chapters	02
9	Research papers	05
10	Lead papers	Nil
11	Seminar papers	Nil
12	Extension folder	05
13	Proceedings	18
14	Award & recognition	02
15	Ongoing research projects	01