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, Tuljapur, Latur Road, Tuljapur - 413601 Dist. Osmanabad (MS),			kvktuljapur@gmail.com	--

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

Address	Telephone		E mail	Website address
	Office	FAX		
Vasantrao Naik Marathwada Agricultural University, Parbhani (MS)	02452-223801 02452-223802	O2452-229755 02452-225424	vcmau@rediffmail.com	www.vnmkv.ac.in

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Sachin Suryawanshi		**9850773023**	kvktuljapur@gmail.com

1.4. Date and Year of sanction: **2004**

1.5. Staff Position (as on December, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid
					Current Pay Band	Current Grade Pay	Date of joining	
1.	Senior Scientist and Head	Dr. Sachin Suryawanshi	9850773023	Agril. Engg.	166400	--	11.07.2016	--
2.	Subject Matter Specialist	Prof. V K Marwalikar	7588527595	Home Science	90000	--	21.03.2007	-
3.	Subject Matter Specialist	Prof. A B Kasbe	9156749863	Agronomy	75400	--	07.10.2013	--
4.	Subject Matter Specialist	Dr. B K Arbad	9890859704	Soil Science	75400	--	03.10.2013	--
5.	Subject Matter Specialist	Dr. D.S. Bhujbal	7588082101	Horticulture	56100	--	01.11.2022	--
6.	Subject Matter Specialist	V S Jadhav	9890488965	Animal Sci.	75400	--	22.09.2017	--
7.	Subject Matter Specialist	Dr. B. B. Gaikwad	8329599411	Plant Protection	65000	--	01.10.2023	--
8.	Programme Assistant	Vacant	--	--	--	--	--	--
9.	Computer Programmer	Vacant	--	--	--	--	--	--
10.	Farm Manager	S V Maske	7588434575	Animal Sci.	41100	--	18.11.2019	--
11.	Accountant/Superintendent	J A Hiwarale	7507321406	ASO	49000	--	04.10.2013	--
12.	Stenographer	Vacant	--	--	--		--	--
13.	Driver 1	B N Kadam	9767173451	Jeep Driver	31100	--	26.08.2013	--
14.	Driver 2	Vacant	--	--	--	--	--	--
15.	Supporting staff 1	S P Raner	9623223132	Watchmen	23500	--	20.0.2015	--
16.	Supporting staff 2	Vacant	--	--	--	--	--	--

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	3.00
2.	Under Démonstration Unit	2.00
3.	Under Crops	10.00
4.	Horticulture	3.00
5.	Pond	1.00
6.	Others if any (Specify)	1.00

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	ICAR	-	550	55.00 L	Feb. 2009	275	Complete
2.	Farmers Hostel	NATP		305		----	----	Complete
3.	Staff Quarters	ICAR	----	400	40.00 L	Feb. 2009	200	incomplete
4.	Fencing	Univ. Fund	---	--	1.75 cr	Dec. 2023	1750 m	incomplete
5	Rain Water harvesting system							
6	Threshing floor	Univ. Fund	2014	184	----	----	----	Complete
7	Farm godown							
8	Soil and water testing lab							
9	Mini soil testing Kit							
10	Sell Contour							
11	Demo unit	ARYA	2019	530	248000	2020	530	Completed
i		ICAR	-	550	55.00 L	Feb. 2009	275	Complete
ii								
12	ICT lab							
13	Solar Panel							
14	counter seal							
	Other pl mention							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Running	Present status
Tractor	2011-2012	549000	--	Not in good condition
Tractor Trolley & accessories	2000-2001	131920	---	Good
Tata sumo gold	2015-2016	522131	1,26,727	Good

C) Equipment & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Soil testing lab equipment	2005-2006	412063	Good
Computer (2Nos.) & Printer	2002-2003	176222	Not working
Computer (2Nos.) & Printer	2009-2010	94000	Not working
HP LaserJet printer	2005-2006	8500	Good
Fax machine	2005-2006	8982	Not working
Lap Top	2006-2007	48800	Not working
LCD Projector	2006-2007	69950	Good
Xerox Machine	2008-2009	106834	Not working
Generator	2000-2001	39900	Good

Inverter	2011-2012	36000	Good
Camera	2011-2012	22000	Good
LCD Projector	2014-2015	39825	Good
Sony Handycam	2014-2015	41990	Good
Public amplifier	2014-2015	27563	Good
Computer	2014-2015	42600	Good
Lecture podium	2014-2015	44888	Good
LCD Screen	2014-2015	17325	Good
Grooved Board	2014-2015	14716	Good
Interactive Board	2014-2015	70500	Good
Computer	2015-2016	37029	Good
Printer	2015-2016	15981	Good
Mridaparikshak	2016-2017	86000	Good
Computer (2Nos.) & Laptop (1 Nos.)	2016-2017	95000	Good
Xerox Machine	2016-2017	49500	Good
Conference table	2016-2017	149500	Good
Colour Printer	2018-2019	10800	Good
Fruit Mill	2019-2020	30650	Good
Single Pulper	2019-2020	58600	Good
LPG fired kettle	2019-2020	46800	Good
Manual feeling unit	2019-2020	26750	Good
Crown corking machine	2019-2020	12500	Good
Tray dryer	2019-2020	45800	Good
Papaya peeler machine	2019-2020	35000	Good
Papaya slicer machine	2019-2020	40000	Good
Papaya dicer machine	2019-2020	50000	Good

1.8. Details of SAC meeting conducted in the year:

Date	Name and Designation of Participants	Salient Recommendations	Action taken
26/12/2023	1. Hon. Dr Indra Mani, Vice – Chancellor, VNMKV, Parbhani 2. Hon. Dr Dharmraj Gokhale, DEE, VNMKV, Parbhani 3. Prof. Varsha Marwalikar, I/C PC,KVK, Tuljapur 4. Dr. V.P.Suryawanshi, Extension Agronomist, Ambajogai 5. Sh. P. G. Rathod, Agril. Dev. Officer, Z.P.Osmanabad 6. Smt. Shobha Kulkarni, District Coordinator, MAVIM, Osmanabad 7. Sh. Anil Hiwale, Taluka Coordinator, WOTR, Tuljapur 8. Sh. Vikas Gofane, District Coordinator, Sampada Trust, Osmanabad 9. Sh. Narsinh Jawalikar, Manager, Jilha Ddhyog Kendra, Osmanabad 10. Sh. Rohit Chobe, Forest Officer,. Social Forestry Dept, Osmanabad 11. G. M. Hulsure, Dy. Commissioner, Animal Husbandary, Osmanabad 12. Dr. P. H. Ghante, Asso. Prof., COA, Kini, Osmanabad 13. Sh.A. M. Muley, TAO, Tujapur 14. Sh. Amol Ghorpade, WOTR, Tuljapur 15. Sh. Sudhir Supnar, Progressive Farmer, Barul, Tq. Tuljapur 16. Smt. Archana Mane, Progressive farm women, Ansurda, Tq. Osmanabad 17. Smt. Komal Pawar, Progressive farm women, Tirth(kh), Tq. Tuljapur 18. Sh. Latif Chaudhari, ARS, Tuljapur	Fishery Demonstration Unit should be set up at office premises through Krishi Vigyan Kendra, Tuljapur. Goat rearing training program should include lectures on care of newborn kids Forest plantation on KVK farm. Biomix should be made available for sale in Krishi Vigyan Kendra. The Krishi Vigyan Kendra should train women in the creation of nutritional gardens. Every week weather forecast and agricultural weather advisory based on it should be given to the District Information Officer. Use M Kisan website for advisory services. To create awareness amongst the farmers regarding organic farming through various extension programmes.	Action on all points is taken

2. DETAILS OF DISTRICT / JURISDICTION AREA OF KVK

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

S. No	Farming system/enterprise
1	Agriculture + Horticulture
2	Agriculture + Dairy
3	Agriculture + Horticulture + Dairy
4	Agriculture + Dairy + Wages
5	Agriculture + Animal Husbandry + Wages

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

S. No.	Agro-climatic Zone (Planning Commission)	Characteristics
1	Scarcity Zone	Soils are medium black to deep black and the annual rainfall ranges from 500 to 700 mm. This zone covers 52 % area of the district.
2	Transition Zone	Mountainous topography, soils are medium black / deep black or shallow red. The annual precipitation ranges from 700-900 mm
3		
4		

a) Topography

S. No.	Agro ecological situation	Characteristics
1	Scarcity with heavy soils	Plain topography, medium black to deep black soils and annual rainfall ranges from 500 to 700 mm
2	Scarcity with light soils	Undulating & rolling topography with thin soil cover, medium black to deep black soils and annual rainfall ranges from 500 to 700 mm
3	Transitional Zone with heavy soils	Plain topography, medium black/deep black soil with assured rainfall (700-900mm)
4	Transitional Zone with light soils	Undulating terrain with comparatively thin soil cover and shallow red soils with assured annual rainfall (700-900mm)
5	Hilly area with high proportion of very light soils	Mountainous topography, soil cover is very thin and economically not viable for cultivations of regular crops and rainfall varies from 600 to 700mm.
6	Command Area	Most profitable and productive compared to all other AES. Due to lack of big rivers, most of the irrigation is dependent on ground water. Manjra, Lower Terna&SinaKolegaon are the major irrigation projects.

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	1.Deep black soils	Black soils	1,71,690
2	2. Medium deep black soil	Light soils	79,540
3	3.Medium deep to shallow soils	Shallow soils	4,90,810

2.4. Area, Production and Productivity of major crops cultivated in the area of jurisdiction of KVK (2024)

S. No	Crop	Area (00 ha)	Production (000 T)	Productivity (Kg/ha)
	Major Field crops			
1	K. Sorghum	09	3	317
2	Pearl millet	10	3	320
3	Maize	80	72	899
4	Pigeonpea	330	219	664
5	Green gram	63	34	545
6	Black gram	282	172	608
7	K. Groundnut	06	04	638
8	soybean	4787	5874	1227
9	Cotton	07	0	204
10	Sugarcane	320	0	66
11	Rice	01	0	0
	Major Horticultural crops	**Area (000 ha)**	**Production (000 T)**	
1	Grapes	2.91	41.81	
2	Guava	0.52	5.63	
3	Mango	3.90	28.75	
4	Sapota	0.95	9.05	
5	Cucumber	0.16	3.38	
6	Okra	0.26	4.75	
7				

Source:

2.5. Weather data (2024)

Month	Average RF (mm)	Normal RF (mm)	Normal Rainy days (number)	Temperature (^{0} C)		Relative Humidity (%)	
				Maximum	Minimum	Maximum	Minimum
January	0		0	30.2	15.1	81	36
February	0		0	29.4	15.5	77	30
March	0		0	32.6	19.2	79	32
April	54.4		3	37.2	22.3	62	34
May	32.4		4	38.4	24.8	64	52
June	199.8		11	33.3	23.3	80	75
July	153.0		10	30.2	22.6	91	88
August	46.0		2	30.0	22.2	87	82
September	239.2		10	29.6	21.4	85	78
October	74		07	31.6	21.6	60	52
November	0		0	29.8	17.2	55	44
December	8.5		1	29.3	17.0	62	51
Total	**807.3**	**760**	**48**				

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

Category	Population (No)	Production	Productivity
Cattle			
Crossbred	48,621	18,586 Lit/ day	7 Lit / cow /day
Indigenous	479915	83,251 Lit /day	1.5 Lit/cow/day
Buffalo	98849		
Sheep	95,630	N.A	N.A
Goats	354309	-	0.5 Lit/goat/day
Pigs			
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens (*Crossbred)*			
Desi			
Fish (Reservoir)			

2.7. Details of Operational area / Villages

Taluka / Block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Tuljapur	Sarola, kalegaon, Chincholi	Soybean, Pigeonpea, Chickpea, Sorghum	Lack of awareness about new varieties, nutrient management, pest management and unavailability of labours at the time of all intercultural operations and harvesting.	Use of local varieties of sorghum, Use of local varieties of pigeonpea, only chemical pesticides are used to control insect pest, general dose of fertilizer is used for all crops.
Osmanabad	Ruibhar, Baramgav, Karajkheda, Mhalagi	Pigeonpea	Lack of awareness about new varieties, nutrient management, pest management and unavailability of labours at the time of all intercultural operations and harvesting.	Use of local varieties of pigeonpea, only chemical pesticides are used to control insect pest, general dose of fertilizer is used for all crops.
Tuljapur	Salgara, Honala, Nilegaon, Kumbhari,,	Blackgram	Lack of awareness about new varieties, nutrient management, pest management and unavailability of labours at the time of all intercultural operations and harvesting	Use of high yielding varieties, seed treatment, INM, IPDM
Osmanabad	K. tadwala	Sweet sorghum	Less awareness about new varieties	Introduction of new high yielding varieties
Omerga	Bhusani, Bhuyar chincholi	Soybean	Less area and productivity	Introduction of new high yielding varieties
Lohara	Bendkal	Blackgram	Lack of awareness about new varieties, nutrient management, pest management and unavailability of labours at the time of all intercultural operations and harvesting	Use of high yielding varieties, seed treatment, INM, IPDM

Tuljapur	Sarola	Mango,Onion,Drumstick	Lack of awareness about new varieties, nutrient management, pest management and unavailability of labours at the time of all intercultural operations and harvesting.	Use of improved varieties in onion, pruning practices in Drumstick
Tuljapur	Vadgaon dev	Muskmelon,Drumstick,Onion,Tomato	Lack of awareness about new varieties of onion, nutrient management, pest management and unavailability of labours at the time of all intercultural operations and harvesting .lack of knowledge about use of plastic mulching and crop cover in Muskmelon.	Use of onion varieties like Bhima Kiran,ICM,IPM
Tuljappur	Ghondalwadi	Onion	Low productivity of Onion due to due deficiency of B, Zn and S.	INM
Tuljappur	Dhekari	Mango	Stem borer infestation	IPM
Tuljappur	Nilegaon	Mogra (jasminunm sambac),Mango	Lack of knowledge about pruning and planning of Mogra and problem for Mango stem borer	ICM,IPM
Omerga	Tugaon	Cereals, Pulses, Oilseeds	Unaware about food processing	PHT & Value addition
Dharashiv	Davutpur	Nutri garden	Lack of knowledge about food, nutrition and health	Nutritional Security
Tuljapur	Masla	Vegetables and Fruits (Vegetable Preservator)	Vegetables and fruits are having very short life	Post Harvest Technology
Tuljapur	Masla	Drumstick harvestor	Time consuming, drudgery prone activity	Drudgery reduction technology
Tuljapur	Masla	Farming System for Nutrition model	Poor nutritional status of family Low income	Nutritional security and income generation
Tuljapur	Khandala	Drumstick leaves powder	Low blood calcium level in farm women	Women and Child care
Omerga	Kasgi	Pigeon pea	Low productivity sowing of late duration varieties on shallow soils	INM
Tuljapur	Karla	Vermicompost /chilli	Low nutrient status of soil and unavailability of nutrients to crop.	Organic farming
Bhoom	Dendegoan	Farm residues	Farm residue is wasted or burnt due to long duration required for decomposition.	Residue management
Tuljapur	Chinholi	Vermicompost /chilli	Low nutrient status of soil and unavailability of nutrients to crop.	Organic farming
Osmanabad	Alni	Soybean	Low productivity of soybean due to imbalance fertilizer management.	INM
Paranda	sirsav	Daincha /Gram	Farmers keeps fallow land during kharif	Organic farming
Tuljappur	Ghondalwadi	Onion	Low productivity of Onion due to due deficiency of B,Zn and S.	INM

2.8. Priority thrust areas:

- Technology demonstration on major crops of the area
- Introduction of new high yielding varieties of the major crops of the Osmanabad district.
- Technologies for dry land area
- IPM and INP for the soybean and Bengal gram.
- Lack of knowledge about biofertilizer use
- Lack of Crop cultivation according to soil type
- Lack of knowledge about use of IIHR micronutrients formulation to increase yield and improve its quality in fruit and vegetable crops
- Lack of knowledge about properly and timely pruning practices in drumstick to increase yield and maintain crop at manageable height.
- Lack of knowledge about use of Onion improved varieties to increase yield and also increase storage life.
- Lack of awareness about use of plastic mulching and crop cover in muskmelon crop to reduce the pest infestation and increase quality yield.
- Lack of Crop cultivation according to soil type
- Lack of knowledge about biofertilizer use
- Lack of Crop cultivation according to soil type
- Organic inputs production
- Drudgery reduction.
- Nutritional Security at household level.
- Post-harvest technology and value addition
- Entrepreneurship development.
- Feed and fodder management
- Low cost technology of fodder production
- Dairy Management

3. TECHNICAL ACHIEVEMENTS

3.1. A. Details of 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
20	20	200	190	15	14	295	335

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
100	135	3500	5836	150	345	15000	36897

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
40	47.5	10000	2500

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
2000	2371	0	0

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.)*
1	Sorghum	Lack of dual-purpose variety		Tuljapur	FLD – Dual purpose variety SPV 2407
2	Soybean	Low yield		Osmanabad, Omerga	FLD and Model oilseed village project – ICM of Soybean
3	Pigeonpea	Low yield		Tuljapur, Osmanabad	CFLD and FLD – ICM of Pigeonpea
4	Blackgram	Low yield		Tuljapur, Lohara	CFLD – ICM of Blackgram
5	Sweet sorghum	Less Productivity		Osmanabad	OFT – High yielding variety Parbhani Vasant
6	Drumstick	Low yield and lack of pruning techniques		Tuljapur,	OFT – Pruning techniques and time
7	Muskmelon	Low yield		Tuljapur,	OFT – use of plastic mulching and crop cover
8	Mango	Infestation of stem borer		Tuljapur,	FLD-Use of IIHR Mango special
9	Onion	Low yield and less storage life		Tuljapur,	FLD-DOGR Onion Bhima Kiran

10	Tomato	Low yield		Tuljapur,	FLD-Use of IIHR Vegetable special
11	Cereals and Pulses	Infestation in store grains		Sarola	Method demonstration on Store grain bag
12	Fruit and Vegetable	Vegetables and fruits are having very short life		Masla	Method demonstration on Vegetable Preservator
13	Drumstick harvester	Time consuming, drudgery prone		Masla	OFT on Drumstick harvester
14	Farming System for Nutrition model	Poor nutritional status Low income		Masla	FLD on Farming System for Nutrition model
15	Nutritional security	Poor nutritional status		Davutpur	FLD on Nutritional Garden
16	Value Addition	Spoilage and wastage of vegetables		Masla	Method demonstration on Solar Conduction Dryer
17	Women and Child care	Drumstick leaves powder		Khandala	OFT on Drumstick leaves powder
18	Cereals and Pulses	Unaware about food processing		Tugaon	Skill training programme on Millets Processing
19	**Pigeon pea**	Low productivity sowing of late duration varieties on shallow soils		Osmanabad	Use of potassium nitrate as foliar spray and use of early maturating varieties BDN-711
20	Onion	Low productivity of Onion due to due deficiency of B, Zn and S.		Paranda	Use of RDF with B,Zn and S
21	**Farm residues**	Farm residue is wasted or burnt due to long duration required for decomposition.		Kallamb	Application of waste decomposing culture to waste farm residues.
22	Daincha /Gram	Farmers keep fallow land during kharif		Omerga	Growing of Dhaincha in fallow land and incorporation at flowering
23	Soybean	Low productivity of soybean due to imbalance fertilizer management.		Bhoom	Use of RDF with liquid biofertilizers and at recommended time of application.
24	Soybean	High pest and disease incidence		Dharur, Dharashiv	FLD on IPDM in Soybean
25	Pigeon pea	Low productivity and high cost of cultivation due to pest and diseases.		Ruibhar, Tuljapur	FLD on IPDM in Pigeon pea
26	Chick pea	High cost of cultivation due to pest and diseases.		Mangrul, Tuljapur	FLD on IPDM in Chickpea
27	Sorghum	High pest incidence and cost of cultivation		Karajkhed, Dharashiv	OFT on IPM in Sorghum
28	Sericulture	Uneven growth of larvae and high cost of production due to uzi fly infestation.		Jawala, Kalamb	OFT on Sericulture

* Support with problem-cause and interventions diagram

3.2. Technology Assessment (Kharif 2024, Rabi 2023-24, 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	other	Total
Integrated Nutrient Management			2		2						4
Varietal Evaluation	1	1			1						3
Integrated Pest Management	1	1	1								3
Integrated Crop Management					2						2
Integrated Disease Management											
Small Scale Income Generation Enterprises											
Weed Management											
Resource Conservation Technology				1							1
Farm Machineries											
Integrated Farming System											
Seed / Plant production											
Value addition										1	1
Drudgery Reduction						1					1
Storage Technique											
Mushroom cultivation											
Other (specify) Sericulture										1	1
Total	2	2	3	1	5	1				2	16

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds		1				1
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder	1					1
Small Scale income generating enterprises						
TOTAL	1	1				2

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 trial covering all the Technological Options)
Integrated Nutrient Management	Tomato	Use of IIHR vegetable special	10	10	2
	Mango	Use of IIHR Mango special	10	10	2
	Pigeon pea	Use of potassium nitrate as foliar spray and use of early maturating varieties BDN-711	10	10	4
	soybean	**Use of jeevamrut and Beejamrut in Soybean**	10	10	4
	Farm residues	Application of waste decomposing culture to waste farm residues.	10	10	4
Varietal Evaluation	Soybean	Assessment of Soybean variety MAUS-725	10	10	0.4
	Sweet sorghum	Assessment of Sweet sorghum variety Parbhani Vasant (PVRSG-101)	10	10	0.4
	Onion	Onion Bhima Kiran variety	10	10	2
Integrated Pest Management	Pigeon pea	To manage the infestation of Pod borer & wilt by adaptation of IPDM practices	10	10	4
	Sorghum	Management of Fall armyworm in Rabi sorghum by IPM	10	10	4
	Soybean	To minimize the yield losses due to heavy incidence of defoliators by adaptation of IPDM practices	10	10	4
Integrated Crop Management	Muskmelon	Analysis of plastic mulching and crop cover in Muskmelon	5	5	1
	Drumstick	Analysis of drumstick pruning techniques	5	5	1
Integrated Disease Management	Chick pea	To manage the infestation of Pod borer & wilt by adaptation of IPDM practices	10	10	4
Small Scale Income Generation Enterprises	Sericulture	Integrated Management of Uzi fly (*Exorista bombycis*) on mulberry silkworm	10	10	4
		Effect of growth hormone for uniform maturity of silkworm	10	10	4
Weed Management					
Resource Conservation Technology					
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition	Health	Effect of Drumstick leaves powder on blood calcium level of women	01	10	

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Drudgery Reduction	Vegetable	To assess the efficiency of Drumstick harvester to harvest Drumstick pods	01	10	0.40
Storage Technique					
Mushroom cultivation					
Total					

B. 2. Technologies assessed under Livestock & fishery assessment

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	Cattle	Performance of Hybrid Napier Phule Gunwant (RBN 2011-12) for Yield and Quality of the Green Fodder	10	10
Disease management				
Feed and fodder management				
Processing &Value addition				
Production and management	Poultry	Low egg laying capacity of local breeds Low body weight of local poultry breeds	10	10
Composting fish culture				
Small scale income generating enterprises				
Fish production				
Other				
Total			**20**	**20**

B.3 Technologies assessed under other enterprises

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Mushroom			
Apiary			
Vermicompost			

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Tailoring			
Nutrition Garden			
Nursery Management			
Production and Management			
Eentrepreneurship development			
Engegy consrvation			
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	**Drumstick harvester**	**10**	**10**
Entrepreneurship development			
Health and Nutrition	**Drumstick leaves powder**	**10**	**10**
value addition			
Kitchen gardening			
nutrition security			
other			

C. 1. Results of Technologies Assessed

Agronomy
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
Pigeonpea	Rainfed	Low yield	Assessment of Soybean variety MAUS-725	10	Use of of Soybean variety MAUS-725	Yield	21.20q/ha	27.27 yield increase	MAUS-725 is high yielding variety bearing 4 grains to 20 percent pods		

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)		18.0	q/ha	57600	2.7
Technology option 2	VNMKV Parbhani	21.20	q/ha	73600	3.2

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 of Soybean variety MAUS-725
2. Problem Definition : Low yield
3. Details of technologies selected for assessment: Soybean MAUS -725 variety have the special character of 20percent pods bearing 4 grains
4. Source of technology: VNMKV Parbhani
5. Production system and thematic area : Varietal demonstration
6. Performance of the Technology with performance indicators: Local Yield -18q/ha, Demo yield 21.20q/ha
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Best variety
8. Final recommendation for micro level situation : Soybean MAUS -725 is high yielding variety
9. Constraints identified and feedback for research :
10. Process of farmers participation and their reaction: MAUS-725 is high yielding variety bearing 4 pods to 20 percent pods

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
Sweet sorghum	Irrigated	Less awareness about varieties of Sweet Sorghum	Assessment of Sweet sorghum variety Parbhani Vasant (PVRSG-101)	10	Use of Sweet sorghum variety Parbhani Vasant (PVRSG-101)	Yield	8.0	Yield increase 23.0 percent	Sweet in taste and easy to harvest		

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	q/ha	90000	3.25
Technology option 2	VNMKV Parbhani	8.0	q/ha	120000	4.0

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 of Sweet sorghum variety Parbhani Vasant (PVRSG-101)
2. Problem Definition : Less awareness about varieties of Sweet Sorghum
3. Details of technologies selected for assessment: Sweet sorghum var PVRSG -101 have special character of sweetness and easy harvest
4. Source of technology: VNMKV Parbhani
5. Production system and thematic area : Varietal demonstration
6. Performance of the Technology with performance indicators: local yield – 6.5q/ha, demo yield – 8.0 q/ha
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : very good variety
8. Final recommendation for micro level situation: suitable for irrigated area
9. Constraints identified and feedback for research:
10. Process of farmers participation and their reaction: farmer sow the crop on different dates to grab the market

Horticulture
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
Muskmelon	Irrigated	Low Yield	Assessment of use of plastic mulching and crop cover in muskmelon	05	Use of plastic mulching and crop cover	Yield Net profit BCR	23t 418000 3.32	Use of plastic mulch and crop cover in muskmelon given 15% more yield	Use of plastic mulch and crop cover in muskmelon increased yield and reduce pest infestation		

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)		20	t/ha	260000	2.625
Technology option 2	National Committee on Plasticulture Application in Horticulture (NCPAH), New Delhi	23	t/ha	418000	3.32

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 of use of plastic mulch and crop cover in muskmelon
2. Problem Definition:-Early age plants are majorly infested by sucking pest and pesticides spray increase expenditure on spraying
3. Details of technologies selected for assessment:-plastic mulch of 25 micron and crop cover has used for Muskmelon crop
4. Source of technology:- National Committee on Plasticulture Application in Horticulture (NCPAH), New Delhi
5. Production system and thematic area:-ICM
6. Performance of the Technology with performance indicators:- Use of plastic mulch and crop cover in muskmelon given 15% more yield.
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques:- Use of plastic mulch and crop cover in muskmelon increased yield 15% and reduce pest infestation.
8. Final recommendation for micro level situation:- increased yield
9. Constraints identified and feedback for research:- cost of plastic mulch
10. Process of farmers participation and their reaction:- adopting technology to increase yield and reduce pest infestation
11. Good Quality Photo in JPG (separate with proper caption)

2.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
Drumstick	Irrigated	Lack of knowledge for proper pruning techniques in drumstick	Assessment of pruning techniques in drumstick	05	pruning techniques in drumstick	Yield Net profit BCR	22t 411000 3.00	Drumstick pruning techniques adaptation given 22.22% more yield	Drumstick pruning given profused bearing of pod and its easy to harvest as height remain manageable		

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)		18	t/ha	252000	2.4
Technology option 2	IIHR Banglore	22	t/ha	411000	3.00

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 of pruning techniques in drumstick
2. Problem Definition:- Lack of knowledge for proper pruning techniques in drumsti
3. Details of technologies selected for assessment:- Drumstick plant when reaches 60-90 cm height pinch the tip 10cm below the tip. About a week later several side branches will sprout and develop. when side branches reaches 60cm long again cut it back to 30cm long.and again do repeat it in subsequent sprouting and do 4 pinchung within 3 months after planting in the main field
4. Source of technology:- : IIHR Banglore
5. Production system and thematic area:-ICM
6. Performance of the Technology with performance indicators:- Drumstick pruning techniques adaptation given 22.22% more yield
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques:- Drumstick pruning given profused bearing of pod and its easy to harvest as height remain manageable.
8. Final recommendation for micro level situation :- Drumstick plant when reaches 60-90 cm height pinch the tip 10cm below the tip. About a week later several side branches will sprout and develop.when side branches reaches 60cm long again cut it back to 30cm long.and again do repeat it in subsequent sprouting and do 4 pinchung within 3 months after planting in the main field
9. Constraints identified and feedback for research:- regular pinching required for profuse branching
10. Process of farmers participation and their reaction:- farmers regularly do pinching in drumstick plants for profuse branching which increase pod yield and plants remain in manageable height.

Soil Science

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
Pigeonpea	Rainfed	Sowing of late duration varities and early withdrawl of rains creates water stress at pod formation	Foliar application of potassium nitrate in pigeon pea	10	Sowing of Var.BDN-711 and application of potassium nitrate at pod formation.	1.Test weight 2. Grain Yield. 3.B:C ratio	15.77 q/ha	11.54 % more yield	Pigeonpea var. BDN -711 is early variety and application of potassium nitrate gives good yield.	--	

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
Foliar application of potassium nitrate in pigeon pea	VNMKV, Parbhani	15.77 q/ha	1577 kg/ha	50517	5.03

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:- Sowing of Var.BDN-711 and application of potassium nitrate at pod formation.

2 Problem Definition - Sowing of late duration varieties and early withdrawal of rains creates water stress at pod formation. Therefore, to enhance productivity and to improve quality of the produce application of potassium nitrate is necessary

3 Details of technologies selected for assessment : : Biofertilizers seed treatment with RDF 20:50 NP with sulphur 20 kg/ha + application of 1% potassium nitrate at pod formation (15 days interval 2 times)

4 Source of technology: VNMKV, Parbhani

5 Production system and thematic area : INM

6 Performance of the Technology with performance indicators : 1.Yield – 15.77 q/ha

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques: Application of potassium nitrate gives good yield.

8 Final recommendation for micro level situation :

9 Constraints identified and feedback for research : No

10 Process of farmers participation and their reaction : It is early duration variety and avoids water stress and potassium nitrate gives good yield

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
soybean	Use of Jeevamrut and beejamrut in soybean.	Application of Jeevamrut to increase soil micro-organism (through soil)and nutrient supply.	Application of liquid organic formulations (Jeevamrut and beejamrut in soybean	10	Application of Jeevamrut to increase soil micro-organism (through soil) and nutrient supply through beejamrut seed treatment.	1.Increase in plant height. 2.No.of pods per plant. 3.Yield. 4.B:C ratio	17 Q/ha	--	Application of liquid organic formulations (jeevamrut and beejamrut seed treatment improves the soil quality parameter by reducing cost on local tonics		

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
Application of liquid organic formulations (beejamrut and Jeevamrut) in soybean	UAS, Dharwad	1700	1700 (kg/ha	66400	4.5

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 : Application of liquid organic formulations (beejamrut and Jeevamrut) in soybean
2. Problem Definition Application of Jeevamrut to increase soil micro- organism (through soil) and nutrient supply through seed treatment of beejamrut
3. Details of technologies selected for assessment : Application Jeevamruta (500 lit. / ha.at the time of planting) beejamrut seed treatment
4. Source of technology: VNMKV, Parbhani
5. Production system and thematic area : Organic farming
6. Performance of the Technology with performance indicators :1.Yield – 17.77 tonnes/ha
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : reduce in cost of tonics.
8. Final recommendation for micro level situation : Irrigated
9. Constraints identified and feedback for research : Requires more time for prepration of panchgauya
10. Process of farmers participation and their reaction :Beejamrut nd Jeevamrut improves the soil quality parameter as well as increase crop yield.

Results of On Farm Trial - 3

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
Farm residue management	--	1. Many times farm waste is burn due to it requires more times for decomposition 2. Due to no use of microbial inoculants decomposition requires 12 months.	Use of waste decomposer culture for rapid composting of farm residues.	10	Use of waste decomposer culture for rapid composting of farm residues	1.Duration required for decomposting. 2. Nutrient Analysis and C:Nratio 3.Bulk density of prepared compost.	3 months 10 days	--	Use of waste decomposer culture decomposed waste material within 1 month		

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 waste decomposer culture for rapid composting of farm residues.	VNMKV, Parbhani	---		---	---

1. Title of Technology Assessed : **Use of waste decomposer culture for rapid composting of farm residues.**
2. Problem Definition : Many times farm waste is burn due to it requires more times for decomposition. Due to no use of microbial inoculants decomposition requires 12 months.
3. Details of technologies selected for assessment : Use of waste decompose culture.
4. Source of technology: National Centre for organic farming, Gaziabad
5. Production system and thematic area: Farrn residue management
6. Performance of the Technology with performance indicators :Decomposed within 2 months
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques.
8. Final recommendation for micro level situation –
9. Constraints identified and feedback for research : No
10. Process of farmers participation and their reaction Decomposed farm residues very quickly.

C. 1. Results of Technologies Assessed

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
Sorghum	Rainfed	High pest incidence and cost of cultivation	Management of Fall armyworm in Rabi sorghum by IPM	10	Pheromone Traps , NSKE 5 %, Metarhizium, Numeriya, Thiamethexam12.6 % + Lambda cyhalothrin, Spinoterum 11.7 SP	1. No. of FAW larvae/Trap 2. Plant infested (%) 3. Yield q/ha	3 no. 3 % 31 q/ha	We can reduce yield loss by 6.45 % per ha	Economical and easy method of application		

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)	Local check	29 q/ha	2900 kg/ha	39500	2.19
Technology option 2 IPM practices in Sorghum	Directorate of Plant Protection ,Quarantine and storage, Faridabad (2018)	31 q/ha	3100 kg/ha	48500	2.67

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 Management of Fall armyworm in Rabi sorghum by IPM
2. Problem Definition High pest incidence and cost of cultivation
3. Details of technologies selected for assessment IPDM
4. Source of technology Directorate of Plant Protection ,Quarantine and storage, Faridabad
5. Production system and thematic area IPM
6. Performance of the Technology with performance indicators 31 q/ha
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques: Economical and easy method of application
8. Final recommendation for micro level situation
9. Constraints identified and feedback for research No
10. Process of farmers participation and their reaction

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
Sericulture	Irrigated	high cost of production due to uzi fly infestation.	Integrated Management of Uzi fly (*Exorista bombycis*) on mulberry silkworm	10	N- Thymus parasitoids Pouch 2/100 dfls	1. % incidence of uzi fly 2. Yield (q/100 dfls)	1.5 % 0.9 q / 100 dfls	N- Thymus reduces yield loss by10-15%.	Economical, effective and easy to use	--	

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) Use of nylon net	Local techniques	0.75 (q/100 dfls)	75 (kg/100 dfls)	23250	2.03
Technology option 2 Use of biocontrol agent (N- Thymus)	Central Silk Research and Training Institute, Mysore	0.9 (q/100 dfls)	90 (kg/100 dfls)	34600	2.70

C. 2.

1. Title of Technology Assessed Integrated Management of Uzi fly (*Exorista bombycis*) on mulberry silkworm
2. Problem Definition High pest incidence and heavy loss due to Uzi fly.
3. Details of technologies selected for assessment : : T_1 - Farmers practice i.e Only use of nylon net.

   T_2 - Use of biocontrol agent
4. Source of technology: Central Silk Research and Training Institute, Mysore
5. Production system and thematic area : Use of biocontrol agent
6. Performance of the Technology with performance indicators :1.Yield – 0.9 q/100 dfls
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Economical ,effective and easy to use
8. Final recommendation for micro level situation :
9. Constraints identified and feedback for research : Require easy to available in market.
10. Process of farmers participation and their reaction :

Results of On Farm Trial 3

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
Sericulture	Irrigated	Uneven growth of larvae and hence losses faced in marketing.	Effect of growth hormone for uniform maturity of silkworm.	10	Spray of Sampurna @ 10 ml Ampul/50 DFL	1. Ten larval wt. (g) 2. Cocoon wt. (g) 3. Yield (q/100 dfls)	35.65 g 1.8 g 0.9 q/100 dfls	It has found effective for uniform maturity if second last feeds spray with sampurna	easy to use	--	

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)	Local Technology	0.84 (q/100 dfls)	84 (kg/100 dfls)	31240	2.56
Technology option 2 Use of growth hormone sampurna.	Central Silk Research and Training Institute, Mysore	0.9 (q/100 dfls)	90 (kg/100 dfls)	34500	2.69

C. 2.

1 Title of Technology Assessed Effect of growth hormone for uniform maturity of silkworm.

2 Problem Definition High pest incidence and heavy loss due to Uzi fly.

3 Details of technologies selected for assessment : : T_1 - Farmers practice i.e Only use of nylon net.

T_2 - Use of biocontrol agent

4 Source of technology: Central Silk Research and Training Institute, Mysore

5 Production system and thematic area : Use of growth hormone

6 Performance of the Technology with performance indicators :1.Yield – 0.9 q/100 dfls

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Easy to use

8 Final recommendation for micro level situation :

9 Constraints identified and feedback for research : No

10 Process of farmers participation and their reaction :

C. 1. Results of Technologies Assessed

Home Science

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
Health		Low level of blood Calcium level	Assess to improve the hemoglobin level of women by using drumstick leaves powder	10	Routine diet	Hemoglobin level before intervention	9.5 g/dl	Due to Drumstick leaves powder increases blood hemoglobin level upto 11.32 %	Easy way to improve blood hemoglobin level		
					Routine diet + Drumstick leaves powder @25gm/day	Haemoglobin level after intervention	10.7 g/dl				

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)	Routine diet	NA	NA	NA	NA
Technology option 2	VNMKV, Parbhani	NA	NA	NA	NA
Technology option 3					

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: Assess to improve the hemoglobin level of women by using drumstick leaves powder

2 Problem Definition: Low hemoglobin level in women

3 Details of technologies selected for assessment: : T1 – Traditional practice – Routine diet

T2 – Technology of assessment – Routine diet + Drumstick leaves powder @25gm/day

4 Source of technology: VNMKV, Parbhani

5 Production system and thematic area : Design and development of high efficient diet

6 Performance of the Technology with performance indicators : 1. Increase hemoglobin level

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring: Feedback techniques

8 Final recommendation for micro level situation:

9 Constraints identified and feedback for research:

10 Process of farmers participation and their reaction: Easy way to improve Hemoglobin level

Results of On Farm Trial - Home Science -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
Drumstick harvester	--	Time consuming and drudgery pron activity	To assess the efficiency of Drumstick harvester	10	Traditional method	Pods collection (kg/hr)	14.5	Harvesting rate with harvester was found to 62 % more and pod damage percent minimises up to 80 percent . Also having less flower drop by using drumstick harvester	Saves time, increase work efficiency of worker		
						Pod damage (%/kg)	15				
						Flower drop	More				
					Use of Drumstick harvester	Pods collection (kg/hr)	38				
						Pod damage (%/kg)	03				
						Flower drop	Less				

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

Title of Technology Assessed :To assess the efficiency of Drumstick harvester

2 Problem Definition :Time consuming and Drudgery prone activity

3 Details of technologies selected for assessment : : T1 – Traditional practice – Bamboo stick

T2 – Technology of assessment – Drumstick harvester

4 Source of technology: MPKV, Rahuri

5 Production system and thematic area :Drudgery reduction

6 Performance of the Technology with performanceindicators : 1. Pods collection (kg/hr)
2.Pods damage (% /kg)
3. Flower drop

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring : Feedback techniques

8 Final recommendation for micro level situation :

9 Constraints identified and feedback for research :

10 Process of farmers participation and their reaction :Increase work efficiency and saves time

Results of On Farm Trial - Animal Science -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
Poultry	NA	Low egg laying capacity of local breeds Low body weight of local poultry breeds	Introduction of Gramapriya breed in back yard poultry	10	Local poultry breeds	Annual egg production	90	Increase in the annual egg production by Grampriya breeds over and above the local poulty breeds	More and continuous egg laying by Grampriya poultry birds	-	-
					Grampriya poultry breed	Annual egg production	180				

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)	Farmer's practice	90	Eggs /animal/year	8,100/-	1:1.8
Technology option 2	Directorate of Poultry Research, Rajendranagar, Hyderabad	180	Eggs /animal/year	16,200/-	1:2.5

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: Introduction of Gramapriya breed in back yard poultry

2 Problem Definition: Low hemoglobin level in women

3 Details of technologies selected for assessment: : T_1-Farmers practice- Local poultry breeds used by farmers

T_2- Technology assessed – Gramapriya breed in back yard poultry.

4 Source of technology: Directorate of Poultry Research, Rajendranagar, Hyderabad

5 Production system and thematic area : Livestock Production and Management

6 Performance of the Technology with performance indicators : 1. Increase in the annual egg production

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring: Feedback techniques

8 Final recommendation for micro level situation: More egg laying with less mortality & high body weight gain by grampriya poultry birds.

9 Constraints identified and feedback for research: NA

10 Process of farmers participation and their reaction: More and continuous egg laying by Grampriya poultry birds

Results of On Farm Trial - Animal Science -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
Animal Nutrition	-	Low fodder yield	Performance of Hybrid Napier Phule Gunwant (RBN 2011-12) for Yield and Quality of the Green Fodder	10	Farmers practice	Yield	12 MT/ ha	Palatability increased with high yielding improved fodder No hairs on the stem increases quality of the fodder	Highly palatable phule gunwant grss increases the milk yield in milch nimals	-	-
						Quality of fodder	More hairs				
						Palatability	Less palatable				
					Use of High yielding Phue Gunwant	Yield	16 MT/ ha				
						Quality of fodder	No hairs				
						Palatability	More palatable				

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)	Farmer's practice	20	MT/ha	4500/-	1:1.2
Technology option 2	MPKV, Rahuri	30	MT/ha	6500/-	1:2.2
Technology option 3					

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 : Performance of Hybrid Napier Phule Gunwant (RBN 2011-12) for Yield and Quality of the Green Fodder

2 Problem Definition :Low fodder yield

3 Details of technologies selected for assessment : : T_1 – Farmer's practice- Phule Yeshwant Forage crop.
T_2 – Technology Assessed- Use of high yielding Phule Gunwant

4 Source of technology: MPKV, Rahuri

5 Production system and thematic area :Animal Nutrition

6 Performance of the Technology with performanceindicators : 1) Yield
2) Quality of fodder
3) Palatability of fodder

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring : Feedback techniques

8 Final recommendation for micro level situation : More palatable, high yielding perennial fodder with no hairs on stem

9 Constraints identified and feedback for research : NA

10 Process of farmers participation and their reaction :Increase in the yield of the fodder crop

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 2024 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.
1	Soybean	Varietal demonstration	Soybean var MAUS-612	FLD Varietal demonstration of Soybean var MAUS-612	2	100	30
2	Pigeonpea	ICM	Variety, seed treatment, IPM, INM	CFLD – ICM of Pigeon pea	2	125	40
3	Chickpea	ICM	Variety, seed treatment, IPM, INM	CFLD – ICM of Chickpea	3	75	30
4	Wheat	Varietal demonstration	Phule samadhan	FLD – Varietal demonstration of Phule samadhan	1	80	21
5	Onion	Varietal demonstration	Onion variety Bhima Kiran	FLD Varietal demonstration of onion Var.Bhima Kiran	1	10	2
6	Tomato	INM	Onion- IIHR vegetable special micronutrients spray	FLD on IIHR vegetable special micronutrients spray	1	10	2
7	Mango	INM	Onion- IIHR vegetable special micronutrients spray	FLD on IIHR vegetable special micronutrients spray	1	10	2
8	Farming System for Nutrition	Household food and nutrition security	Distribution of assorted seed kit for kharif and rabi season	Conducted FLD, awareness programmes, Farm women ralley programme, workshops	04	100	20
9	Kitchen Garden	Household food security by kitchen gardening	Distribution of seeds, seedlings of fruits and medicinal plants	Conducted FLD, awareness programmes, published book and popular articles, given radio talk	05	1550	5.00
10	Daincha/Gram	INM	Growing of Daincha in fallow land and incorporation at flowering stage	FLD and training on Growing of Daincha in fallow land and incorporation at flowering stage.	1	10	4
11	Onion	INM	Use of RDF with B,Zn and S	FLD and trainings on nutrient management in Onion provided with B,Zn and S fertilizer on soil test based value.	1	10	4
12	**soybean/chilli**	**Organic farming**	**Vermicompisting of farm residues and use of vermicompost in soybean crop.**	FLD and trainings on vermicompost production and its use in soybean	1	10	4
13	Soyabean	IPDM	1. Pheromone traps, 2. NSKE 5 %, 3.Tebuconazole 4.Thiamethexam + Lambda cyhalothrin 5. *Metarahizium*	FLD and training on IPDM practices in soybean	1	10	4

14	Pigeon pea	IPDM	1. Pheromone traps, 2. NSKE 5 % 3. Trichodermma 5 gr/kg seed 4. Emamectin benzoate 5 SG	FLD and training on IPDM practices in soybean	1	10	4

B. Details of FLDs implemented during 2024 **(Kharif 2024, Rabi 2023-24, 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**	
1	Pigeon pea	Varietal Demonstration	Variety BDN 13-41	Kharif 2024	10	10	5	20	25	
2	Sorghum	Varietal Demonstration	Var. SPV2407	Rabi 2023-24	04	04	2	8	10	
3	Onion	Varietal demonstration	Onion variety Bhima Kiran	Rabi 2024	2	2	-	10	**10**	**-**
4	Tomato	INM	IIHR vegetable special micronutrients spray	Kharif 2024	**2**	**2**	**-**	**10**	**10**	
5	Mango	INM	IIHR vegetable special micronutrients spray	Rabi-Summer 2024	**2**	**2**	**-**	**10**	**10**	
6	Greemmanuring fallowed by Gram	INM	Green mannuring fallowed by Gram	Kharif-Rabi 2024	4	4	3	7	**10**	**--**

7	Onion	INM	Use of RDF with B,Zn and S	Rabi 2023-24	4	4	3	7	10	--
8	Vermicompost /soybean	Organic farming	Vermicompisting of farm residues and application to soybean	Kharif 2024	4	4	3	7	10	--
9	Soyabean	IPDM	1. Pheromone traps, 2. NSKE 5 %, 3.Tebuconazole 4.Thiamethexam + Lambda cyhalothrin 5. *Metarahizium*	**Kharif 2024**	**4**	**4**	**3**	**7**	**10**	--
10	Pigeon pea	IPDM	1. Pheromone traps, 2. NSKE 5 % 3. Trichodermma 5 gr/kg	**Kharif – Rabi 2024**	4	4	3	7	10	--

			seed 4. Emamectin benzoate 5 SG							
11	All types of crops and vegetables	Household Nutritional Security	Farming System for Nutrition	Kh/Rabi 2024	40	40	33	67	100	--
12	Vegetables and fruits	Household Nutritional Security	Nutritional garden	Kh/Rabi 2024	4	5	15	85	100	--

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					
Pigeonpea	kharif 2024	RF	Medium				Chickpea	II Week of June	I week of Jan	807.0	
Sorghum	Rabi 2023-24	Irrigated	Medium				Soybean	III/IV Week of Oct.	Feb	837.0	
Onion	Rabi	Irrigated	Medium				Okra	I week of Nov	Last week of March	--	
Tomato	Kharif	Irrigated	Medium				cucumber	I week of July	--	--	
Mango	Summer	Irrigated	Medium				-	August 2020	--		
Pigeonpea	Kharif 2023-24	Rainfed	Medium				Sorghum	I week of july	Jan 2024	937.7	
Bengal gram	Rabi	RF	Medium	3281	15	456	Green mannuring	08.10.2024	10.02.2025		

							Daincha				
Onion		Irrigated	Medium	346	14	550	Soybean	10.10.2024	20.02.204		
soybean	**Rabi 2024**	Irrigated	Black soil				Soybean	1-20 june 2024	Sept 2024		
Soyabean	RF	Medium to Back Soil	-	-	-		Sorghum	28/06/2024	15/10/2024	---	
Pigeon pea	Irrigated	Medium to Back Soil	-	-	-		Sorghum	22/06/2024	07/01/2025	----	

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Pigeon pea BDN 13-41 is high yielding variety
2	Sorghum SPV 2407 is dual purpose high yielding variety
3	Onion Bhima Kiran is high yielding variety
4	IIHR vegetable special spray increased Tomato and Mango yield
5	INM in Soybean has given 12.92% more yield than farmers practice.
6	INM in Onion has given 31.17% more yield than farmers practice
7	Due to IPDM practice requires less number of chemical sprayings
8	IPDM is cost effective methods in pest and diseases management
9	Farming System for Nutrition model is very essential to improves the nutritional status and economical status of farmers
10	Nutritional garden is very good to improves nutritional status of family members as it increases the vegetables intake 40gm to 110 gm
11	Drumstick harvester is very useful for farmers to harvest drumstick pod without damage.

Farmers' reactions on specific technologies

S. No	Feed Back
1	Pigeonpea var BDN 13-41 is high yielding variety
2	Sorghum SPV gives more grain yield and fodder yield than other local varieties
3	Onion Bhima Kiran is high yielding variety
4	IIHR vegetable special spray increased Tomato and Mango yield
5	Use of jeevamrut and beejamrut has reduced cost of cultivation in Soybean.
6	INM in Onion with use of B,Zn and Sulphur improves yield and keeping quality of onion
7	They are agree to regularly adopt IPDM hereafter
8	IPDM is less harmful to honey bees.
9	Farming System for Nutrition model is beneficial to todays farming condition
10	Nutritional garden is good for improve the health of family members

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	1	5.12.24	60	
		1	12/08/24	78	Use of green manure.
		1	23/11/24	52	INM in Onion with use of B,Zn and Sulphur
		1	8/10/24	42	Production of vermicmpost
2	Farmers Training	2	07.06.2024 10.11.2023	25 10	
		02	12.08.2024 14.10.2024	27	Farmers received knowledge on advanced agricultural techniques
		1	23/05/24	67	Use of green manure.
		1	25/05/2024	35	
		1	08/08/2024	28	
		3	20.10.2024 01.11.2024 02.11.2024	102 65 48	Nutritional garden FSN Nutritional garden
3	Media coverage	1	22.01.2025	--	
4	Training for extension functionaries				

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																		
Sesamum																		
Mustard																		
Safflower																		

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										
Linseed																		
Sunflower																		
Soybean	IPDM	1. Pheromone traps, 2. NSKE 5 %, 3.Tebuconazole 4.Thiamethexam + Lambda cyhalothrin 5. Metarahizium	--	10	4	20	18	19	17.5	8.57	34000	83600	49600	2.45	36000	37000	41000	2.13
Soybean	Organic farming	Use of vermicompost @2.5 t/ha	-	10	4	24	18.50	22.50	20.25	11	52350	144050	91700	2.7	51670	139575	87905	2.6
Castor																		

* 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										
Pigeonpea	Varietal demonstration	Pigeonpea var BDN 13-41	BDN 13-41	25	10	22.5	15.0	17.5	13.75	27.27	26250	104700	78450	3.9	26250	82500	56250	3.14
Pigeonpea	IPDM	1. Pheromone traps, 2. NSKE 5 % 3. Trichodermma 5 gr/kg seed 4. Emamectin benzoate 5 SG	--	10	4	23	21	22	19.5	12.82	31000	132000	101000	4.25	34800	117000	82200	3.36
Blackgram																		
Greengram	INM	Green mannuring fallowed by Gram	JAKI 92-18	10	4	22..70	18.76	20.73	17.5	18.45	30250	93285	63035	3.08	29865	78750	48885	2.6

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										
Chickpea																		
Fieldpea																		
Lentil																		
Horsegram																		
Cowpea																		

* 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																			
Paddy																			
Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			

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												
Wheat																			
Wheat Timely sown																			
Wheat Late Sown																			
Mandua																			
Barley																			
Maize																			
Amaranth																			
Millets																			
Jowar	Varietal demonstration	Sorghum var SPV2407(Parbhani super moti)	10	4	23.75	18.0	20.0	13.	11.11			31000	60000	29000	1.9	31000	54000	23000	1.7
Bajra																			
Barnyard millet																			
Finger millet																			

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												
Vegetables																			
Bottlegourd																			
Bittergourd																			
Cowpea																			
Spongegourd																			
Petha																			
Tomato	**INM**	**IIHR Vegetable Special spray**	10	**2**	**300**	**250**	**275**	**250**	**20.83**	**Rs.18/kg**	**Rs.12/kg**	**280000**	**540000**	**260000**	**1.92**	**240000**	**300000**	**60000**	**1.25**
Frenchbean																			
Capsicum																			
Chilli																			
Brinjal																			
Vegetable pea																			
Softgourd																			
Okra																			

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												
Colocasia (Arvi)																			
Broccoli																			
Cucumber																			
Onion	**Crop Production**	**Onion variety Bhima Kiran**	10	**02**	**250**	**180**	**215**	**180**	**38.89**	**Rs.15/kg**	**Rs.13/kg**	**40000**	**375000**	**335000**	**9.37**	**50000**	**234000**	**184000**	**4.68**
Onion	INM	Use of Zn, B and sulphur	10	4	157.70	117.0	137.30	109.00	89.96	Bulb/kg 5-7	Bulb/kg 11-13	95678	370710	275022	3.87	90530	283400	192890	3.13
Coriender																			
Lettuce																			
Cabbage																			
Cauliflower																			
Elephant fruit																			
Any other (Pl specify)																			
Flower crops																			
Marigold																			
Bela																			
Tuberose																			

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												
Gladiolus																			
Any other (Pl. specify)																			
Fruit crops																			
Mango	**INM**	**IIHR Mango Special spray**	10	**2**	**166**	**111**	**138**	**111**	**45.45**	**Rs.30/kg**	**Rs.20/kg**	**950000**	**499950**	**404950**	**5.26**	**80000**	**222200**	**1422000**	**2.77**
Strawberry																			
Guava																			
Banana																			
Papaya																			
Muskmelon																			
Watermelon																			
Any other (Pl. specify)																			
Spices & condiments																			
Ginger																			
Garlic																			
Turmeric																			
Any other (Pl. specify)																			

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												
Commercial Crops																			
Sugarcane																			
Potato																			
Cotton																			
Any other (Pl. specify)																			
Medicinal & aromatic plants																			
Mentholment																			
Kalmegh																			
Ashwagandha																			
Any other (Pl. specify)																			
Fodder Crops																			
Sorghum (F)																			
Cowpea (F)																			
Maize (F)																			
Lucern																			
Berseem																			
Oat (F)																			

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												
Napier																			
Grasses																			

* 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										

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																	
Buffalo																	
Buffalo Calf																	
Dairy																	

Poultry																		
Sheep & Goat	Animal Nutrition	To provide quality fodder throughout the year to goat	10	04	Fodder yield	-	12	Palatability of the fodder	-	500	2000	1500	1:1.8	-	-	-	-
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																

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)
Button Mushroom																
Apiculture																
Maize Sheller																
Value Addition																
Vermi Compost																
Sericulture																

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Household nutritional security	Farming System for nutrition	100	Total production/unit/year under demo	20.50 Qt	16.25Qt

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

FLD on Other Enterprise: Kitchen Gardening

Nutrition garden components	Thematic area	Area (sq mt)	No. of Farmer	No. of Units	Yield (Kg)- supply of vegetables, fruits, etc from KG in the year		% change in yield	Household size (number)		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check*		Demo	Check	Gross Cost	Gross Return/Savings*	Net Return	BCR (R/C)	Gross Cost	Gross Return/ Savings*	Net Return	BCR (R/C)
Vegetables	Household food security by kitchen Gardening	400 sq mt	100	100	650	330	49.23	Increase consumptions of vegetables in daily diet (gm)	consumptions of vegetables in daily diet (gm)	Vegetables	Household food security by kitchen Gardening	400 sq mt	100	100	650	330	49.23
								125	40								
								Monthly expenditure on purchase of vegetables in a month (Rs)	Monthly expenditure on purchase of vegetables in a month (Rs)								
								1030	2145								

***check maybe family adopting different Nutrition garden model/ no adoption of Nutrition garden model**
Savings from produce of Nutrition garden used for home consumption

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													

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

Note: Remove the Enterprises/crops which have not been shown

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										
Resource Conservation Technologies										
Cropping Systems	1	20	0	20	5	0	5	25	0	25
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production	1	23	0	23	2	0	2	25	0	25
Nursery management										
Integrated Crop Management	3	164	108	272	34	15	49	198	123	321
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs	2	30	18	48	13	5	18	43	23	66
Others (pl. specify)										
Total	**7**	**237**	**126**	**363**	**54**	**20**	**74**	**291**	**146**	**437**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	2	15	-	15	-	-	-	15	-	15
Off-season vegetables										
Nursery raising	2	20	21	41	-	12	12	20	33	53
Exotic vegetables										
Export potential vegetables										
Grading and standardization	1	39	10	49	--	2	2	39	12	51
Protective cultivation										
Others (pl specify)										
Total (a)	**5**	**74**	**31**	**105**	**0**	**14**	**14**	**74**	**45**	**119**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	-	30	30	-	14	14	-	44	44
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)	**1**	**-**	**30**	**30**	**-**	**14**	**14**	**-**	**44**	**44**
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										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl specify)										
Total (g)										
Grand Total (a to g)										
III Soil Health and Fertility Management										
Soil fertility management	02	32	11	43	12	13	25	44	24	68
Integrated water management	00	00	00	00	00	00	00	00	00	00
Integrated Nutrient Management	1	52	10	62	0	0	0	52	10	62
Production and use of organic inputs	1	30	15	45	7	28	35	37	43	80
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	1	0	23	23	0	12	12	0	35	35
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0
Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	1	26	11	37	12	13	25	38	24	62
Others (pl specify)	6	221	87	308	48	117	165	338	135	473
Total	**12**	**361**	**157**	**518**	**79**	**183**	**262**	**509**	**271**	**780**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
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) Entrepreneurship Development	02	0	53	53	0	18	18	0	71	71
Total	**02**	**0**	**53**	**53**	**0**	**18**	**18**	**0**	**71**	**71**
VI Agril. Engineering										
Farm Machinery and its maintenance										
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	12	130	54	184	98	38	136	128	92	320
Integrated Disease Management	10	109	12	121	87	50	137	196	62	258
Bio-control of pests and diseases	2	40	18	58	12	14	26	52	32	84
Production of bio control agents and bio pesticides	3	22	37	59	0	0	0	22	37	59
Others (pl specify)										
Total	**27**	**301**	**121**	**422**	**197**	**102**	**299**	**398**	**223**	**721**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	1	0	24	24	0	14	14	0	38	38
Organic manures production	2	40	58	98	24	31	55	64	89	153
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	**3**	**40**	**82**	**122**	**24**	**45**	**69**	**64**	**127**	**191**
X CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**57**	**1013**	**600**	**1613**	**354**	**396**	**750**	**1336**	**927**	**2363**

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										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production	1	51	11	62	4	1	5	55	12	67
Nursery management										
Integrated Crop Management	2	115	39	154	3	0	3	118	39	157
Soil & water conservation	1	55	10	65	10	7	17	65	17	82
Integrated nutrient management										
Production of organic inputs	1	10	8	18	5	2	7	15	10	25
Others (pl specify)										
Total	**5**	**231**	**68**	**299**	**22**	**10**	**32**	**253**	**78**	**331**
II Horticulture										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
a) Vegetable Crops										
Production of low value and high value crops	1	10	2	12	-	-	-	10	2	12
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)	**1**	**10**	**2**	**12**	**-**	**-**	**-**	**10**	**2**	**12**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	15	5	20	4	-	4	19	5	24
Management of young plants/orchards	1	15	3	18	-	-	-	15	3	18
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)	**2**	**30**	**8**	**38**	**4**	**--**	**4**	**34**	**08**	**42**
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)	2	12	8	20	-	3	3	12	11	23
Total (c)	**2**	**12**	**8**	**20**	**-**	**3**	**3**	**12**	**11**	**23**
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)										
Grand Total (a to g)										
III Soil Health and Fertility Management										
Soil fertility management	2	56	18	74	12	12	24	68	30	98
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	2	26	13	39	8	17	25	34	30	64
Production and use of organic inputs	2	0	69	69	0	24	24	0	93	93
Management of Problematic soils	1	24	0	24	8	0	8	32	0	32
Micro nutrient deficiency in crops	1	12	30	42	0	0	0	12	30	42
Nutrient Use Efficiency	1	21	14	35	12	08	20	33	22	55
Balance use of fertilizers	2	57	10	67	0	0	0	57	10	67
Soil and Water Testing	2	43	19	62	11	09	20	54	28	82
Others (pl specify)	7	257	111	368	78	72	150	335	183	518
Total	**20**	**496**	**284**	**780**	**129**	**142**	**271**	**625**	**426**	**1051**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	03	45	81	126	2	0	2	47	81	128
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	01	0	34	34	0	2	2	0	36	36
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	**4**	**45**	**115**	**160**	**2**	**2**	**4**	**47**	**117**	**164**
VI Agril. Engineering										
Farm Machinery and its maintenance										
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	8	144	110	254	96	34	130	240	144	384
Integrated Disease Management	5	143	52	195	34	22	56	177	74	251
Bio-control of pests and diseases	4	24	23	47	63	12	75	87	35	122
Production of bio control agents and bio pesticides	1	0	23	23	0	12	12	0	35	35
Others (pl specify)										
Total	**18**	**311**	**208**	**519**	**193**	**80**	**273**	**504**	**288**	**792**
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	1	0	33	33	0	12	12	0	45	45
Organic manures production	2	47	34	81	42	22	64	89	56	145

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	**3**	**47**	**67**	**114**	**42**	**34**	**76**	**89**	**101**	**190**
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**55**	**1182**	**760**	**1942**	**392**	**271**	**663**	**1574**	**1031**	**2605**

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										
Resource Conservation Technologies										
Cropping Systems	1	20	0	20	5	0	5	25	0	25
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production	2	74	11	85	6	1	7	80	12	92
Nursery management										
Integrated Crop Management	5	279	147	426	37	15	52	316	162	478
Soil & water conservation	1	55	10	65	10	7	17	65	17	82
Integrated nutrient management										
Production of organic inputs	3	40	26	66	18	7	25	58	33	91
Others (pl specify)										
Total	**12**	**468**	**194**	**662**	**76**	**30**	**106**	**544**	**224**	**768**
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	3	25	2	27	-	-	-	25	2	27
Off-season vegetables										
Nursery raising	2	20	21	41	-	12	12	20	33	53
Exotic vegetables										
Export potential vegetables										
Grading and standardization	1	39	10	49	--	2	2	39	12	51
Protective cultivation										
Others (pl specify)										
Total (a)	**6**	**84**	**33**	**117**	**0**	**14**	**14**	**84**	**47**	**131**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2	15	35	50	4	14	18	19	49	68
Management of young plants/orchards	1	15	3	18	-	-	-	15	3	18
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Total (b)	**3**	**30**	**38**	**68**	**4**	**14**	**18**	**34**	**52**	**86**
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)	2	12	8	20	-	3	3	12	11	23
Total (c)	**2**	**12**	**8**	**20**	**-**	**3**	**3**	**12**	**11**	**23**
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)										
Grand Total (a to g)										
III Soil Health and Fertility Management										
Soil fertility management	4	88	29	117	24	25	49	112	54	166
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	3	78	23	101	8	17	25	86	40	126
Production and use of organic inputs	3	30	84	114	7	52	59	37	136	173
Management of Problematic soils	1	24	0	24	8	0	8	32	0	32
Micro nutrient deficiency in crops	2	12	53	65	0	12	12	12	65	77
Nutrient Use Efficiency	1	21	14	35	12	8	20	33	22	55
Balance use of fertilizers	2	57	10	67	0	0	0	57	10	67
Soil and Water Testing	3	69	30	99	23	22	45	92	52	144
Others (pl specify)	13	478	198	676	126	189	315	673	318	991
Total	**32**	**857**	**441**	**1298**	**208**	**325**	**533**	**1134**	**697**	**1831**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	03	45	81	126	2	0	2	47	81	128
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	01	0	34	34	0	2	2	0	36	36
Women empowerment										
Location specific drudgery reduction technologies										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Rural Crafts										
Women and child care										
Others (pl specify) Entrepreneurship Development	02	0	53	53	0	18	18	0	71	71
Total	**6**	**45**	**168**	**213**	**2**	**20**	**22**	**47**	**188**	**235**
VI Agril. Engineering										
Farm Machinery and its maintenance										
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										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	20	274	164	438	194	72	266	468	236	704
Integrated Disease Management	15	252	64	316	121	72	193	373	136	509
Bio-control of pests and diseases	6	64	41	105	75	26	101	139	67	206
Production of bio control agents and bio pesticides	4	22	60	82	0	12	12	22	72	94
Others (pl specify)										
Total	**45**	**612**	**329**	**941**	**390**	**182**	**572**	**902**	**511**	**1513**
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	2	0	57	57	0	26	26	0	83	83
Organic manures production	4	87	92	179	66	53	119	153	145	298
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	**6**	**87**	**149**	**236**	**66**	**79**	**145**	**153**	**228**	**381**
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total										
XI Agro-forestry										

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**112**	**2195**	**1360**	**3555**	**746**	**667**	**1413**	**3010**	**1958**	**4968**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			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										
Commercial fruit production										
Integrated farming	4	74	17	92	5	4	9	79	21	100
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	1	10	20	30	5	05	20	15	25	40
Mushroom Production										
Bee-keeping										
Sericulture	1	20	8	28	7	2	9	27	10	37
Repair and maintenance of farm machinery and implements										
Value addition	03	0	70	70	0	21	21	0	91	91
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										
Any other (pl. specify)										
TOTAL	**9**	**104**	**115**	**220**	**17**	**32**	**59**	**121**	**147**	**268**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			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										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
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										
Any other (pl. specify) Nutritional security	1	18	14	32	3	1	4	21	15	36
TOTAL	**1**	**18**	**14**	**32**	**3**	**1**	**4**	**21**	**15**	**36**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			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										
Commercial fruit production										
Integrated farming	4	74	17	92	5	4	9	79	21	100
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	1	10	20	30	5	5	20	15	25	40
Mushroom Production										
Bee-keeping										
Sericulture	1	20	8	28	7	2	9	27	10	37
Repair and maintenance of farm machinery and implements										
Value addition	03	0	70	70	0	21	21	0	91	91
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										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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										
Any other (pl. specify) Nutritional security	1	18	14	32	3	1	4	21	15	36
TOTAL	**10**	**122**	**129**	**252**	**20**	**33**	**63**	**142**	**162**	**304**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	30	20	50	12	10	22	42	30	72
Integrated Pest Management	**1**	**61**	**13**	**74**	**23**	**8**	**31**	**84**	**21**	**105**
Integrated Nutrient management	**1**	**16**	**4**	**20**	**11**	**4**	**15**	**27**	**08**	**35**
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) Women Empowerment	**1**	**0**	**116**	**116**	**0**	**0**	**0**	**0**	**116**	**116**
TOTAL	**4**	**107**	**153**	**260**	**46**	**22**	**68**	**153**	**175**	**328**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
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										

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	30	20	50	12	10	22	42	30	72
Integrated Pest Management	**1**	**61**	**13**	**74**	**23**	**8**	**31**	**84**	**21**	**105**
Integrated Nutrient management	**1**	**16**	**4**	**20**	**11**	**4**	**15**	**27**	**08**	**35**
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) Women Empowerment	**1**	**0**	**116**	**116**	**0**	**0**	**0**	**0**	**116**	**116**
TOTAL	**4**	**107**	**153**	**260**	**46**	**22**	**68**	**153**	**175**	**328**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General/ Others			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										
Methods of protective cultivation										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements	4	74	17	92	5	4	9	79	21	100
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										

Area of training	No. of Courses	No. of Participants								
		General/ Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	**4**	**74**	**17**	**92**	**5**	**4**	**9**	**79**	**21**	**100**

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

Area of training	No. of Courses	No. of Participants								
		General/ Others			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	**03**	**0**	**70**	**70**	**0**	**21**	**21**	**0**	**91**	**91**
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	**01**	**00**	**18**	**18**	**00**	**12**	**12**	**00**	**30**	**30**
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture	**01**	**0**	**9**	**9**	**0**	**6**	**6**	**0**	**15**	**15**
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total	**5**	**0**	**97**	**97**	**0**	**39**	**39**	**0**	**136**	**136**
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total	**5**	**0**	**97**	**97**	**0**	**39**	**39**	**0**	**136**	**136**

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (Other than KMAS)				
Diagnostic visits	36	197	84	281
Field Day	2	257	30	287
Group discussions	38	273	46	319
Kisan Ghosthi	5	160	27	187
Film Show				
Self -help groups				
Kisan Mela	15	4038	98	4136
Exhibition	08	2400	20	2420
Scientists' visit to farmers field	204	558	146	704
Plant/animal health camps				
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar/workshop	5	1506	18	1524
Method Demonstrations	9	260	64	324
Celebration of important days	5	811	36	847
Special day celebration				
Exposure visits	6	141	5	146
Others (pl.specify) Technology week, Balak Palak – Scientist Meet, Awareness programmes	12	25709	13	25722
Total	**345**	**36310**	**587**	**36897**

Note- Advisory services includes social media, website, telephonic calls etc.

Details of other extension programmes:

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	6
Newspaper coverage	20
Popular articles	5
Radio Talks	9
TV Talks	
Animal health camps (Number of animals treated)	
Social Media (No. of platforms Used)	6
Others (pl. specify)	
Total	**42**

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/ Webex etc.)	Title of Program	No. of Programmes	No. of Participants/ Views
A	Farmers training				
1					
2					
3					
4					
5					
	Total				
B	Farmers scientist's interaction programme				
1					
2					
3					
	Total				
C	Farmers seminars				
1					
2					
3					
	Total				
D	Expert lectures				
1					
2					
3					
4					
	Total				
E	Any other (Pl. specify)				
1					
2					
3					
4					
	Total				
	Grand Total (A+B+C+D+E)				

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 (q)	Value (Rs)	Number of farmers
Cereals						
Oilseeds	Soybean	MAUS - 162	Breeder seed	47.50	470000	Seed sent to Seed Processing Unit VNMKV, Parbhani
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total						

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	Mango	Kesar	-	2500	225000	--

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total						

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg/Lit	Value (Rs.)	No. of Farmers
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total				

Production of livestock materials

Particulars of Live stock	Name of the animal / bird / aquatics	**Name of the breed**	Type of Produce	unit (no./ lit/kg)	Quantity	**Value (Rs.)**	**No. of Farmers**
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)	Deshi poultry	Grampriya	Chicken	Number	1189	3,40,900/-	94
	Deshi poultry	Grampriya	Day-old-chicks	Number	1182	45,575/-	11
Piggery							
Piglet							
Others (Pl.specify)							
Fisheries							
Indian carp							
Exotic carp							
Others (Pl. specify)							
Total							

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

A. KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):

B. Literature developed/published

Item	**Citation/ Title**	**Authors name**	**Number**
Research papers (Give Citation)			
Technical reports			
News letters			
Technical bulletins			
Popular articles	Green manuring,	Apeksha Kasbe	
	Soybean germination test	Apeksha Kasbe	
	Soybean seed treatment	Apeksha Kasbe	
	INM in soybean	Dr.Arbad B.k	
	Natural farming	Dr.Arbad B.k	
Extension literature	Folder -Rabi Sorghum Production technology	Apeksha Kasbe	
	Book – Dryland Farming	Apeksha Kasbe	
Others (Pl. specify) Abstract	Nutritional garden to uplift the nutritional status of farm families	Varsha Marwalikar, Sachin Suryawanshi	
	Effect of BBF technology on soybean crop under dryland condition	Apeksha Kasbe	
TOTAL			

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)			
2	Facebook page/ Account (no of Post)			
3	Mobile Apps			
4	WhatsApp groups	16	**Drudgery reduction, Food and Nutrition, Nutritional garden, FSN, Soybean processing, Drumstick processing, Dal Processing, Importance of different millets**	4222
		1	BBF Technology	1658
		1	Soybean germination test	
		1	Soybean varieties	1658
		1	Pigeonpea varieties	
		1	Contingency crop planning	1658
		1	Yellow vein mosaic of soybean	1658
		1	Snail management	1658
		1	Soybin production technology	1658
5	Twitter Account			
6	Any other (Pl. Specify)			

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).

Success story - 1

- **Title - Dal Processing Unit**
- **Name and Address** – Ankur Dal Utpadak Gat A/P. Jewali (D), Tq. Lohara, Dist. Dharashiv
- **Background** – In district, area under pulses is increasing day by day and most of the farm produce were sold in a raw condition with minimum price only. Hence there is a ample scope to make value addition, so that, it will help to uplift farmers economic condition.
- **Training and Motivational Support** – KVK, under ARYA project given skill oriented training programme on "Pulses and Oilseed Processing". Under the technical guidance (Lectures, demonstration of oilseed processing and exposure visits) SHG established Dal processing unit at village level
- **Description of Dal Processing Unit** - Ankur dal utpadak gat (SHG) purchased and started Dal processing unit at village Jewali (D) in April 2021. The capacity of dal mill unit is 20 q/day. Due to availability of Dal mill machineries at village level, farmers of nearby villages cultivated pulses crops in large area. The group gave facility to process farmers raw material and produces dal with nominal cost of Rs. 8/kg. Through this entrepreneurship produces 12.5 tones of dal and the group earned net profit of Rs.1,70240/- till the date.
- **Impact –**

After seeing the success of SHG in Dal processing, one women farmer from nearby village is inspired and started her own dal mill unit.

Success story –2

Title - Oil Extraction Unit

- **Name and Address** – Sh. Shivaji Keshav Navgire A/P. Barul, Tq. Tuljapur, Dist. Dharashiv
- **Background** - Navgire, having education up to 9th Std. Very hard working nature and due to long term involvement with KVK, he has motivated and wants to start enterprise at village level. Family members also support his decision. By profession, he is doing plumbing work. Few years back he has developed low cost sprinkler set, useful for marginal farmers. For this work he will be appreciated by all over the district, university level and ATARI level also.
- **Training and Motivational Support** – KVK, under ARYA project given skill oriented training programme on "Pulses and Oilseed Processing". Under the technical guidance (Lectures, demonstration of oilseed processing and exposure visits) he established Oil extraction unit at village level.
- **Description of Oil Extraction Unit**

- Established Oil extraction unit in April, 2021, in the form of Lakadi Ghana.
- Production of different oils viz. Groundnut, Sesamum, Sunflower and Safflower.
- For Oil preparation, purchased raw material from farmers in the district and from the nearby market.
- Majority of the production of oil is as per the demand of the consumers.
- For producing more quantity of oil, the procedure of purchasing more machineries is in progress.
- Also the procedure of branding, labeling and packaging is going on.
- Till date approximate 2000 kg oil extracted. Processed 1320 kg of farmers raw material on the basis of processing charge. 1400 kg processed and sold by own and got net profit of Rs. 76,500/-

- **Impact** –

  Farmers in the district are visiting to the oil extraction unit to know the technique. Also aware about the importance of oil extracted by lakadi Ghana. Increasing area of cultivation of Oilseed crops near by the village, as processing unit is available.

Success story –3

Title - Millets Roti Making

- **Name and Address** - Shree Aadarsh Mahila Bhakri Utpadak Gat, Tugaon Tq. Omerga Dist. Dharashiv
- **Background** – Millets are important crops for dry land farmers; they are highly nutritious and climate compliant crops. But due to drudgery in preparation, overall millet consumption in India has declined over the years. Utilizing them for preparation of ready-to-use or ready-to cook and eat products would help in increasing the consumption of millets among non-millet consumers. Hence there is a ample scope to make value addition, so that, it will help to uplift farmers economic condition and uplift the nutritional status.
- **Training and Motivational Support** – KVK, under ARYA project given skill oriented training programme on "Millets Processing". Under the technical guidance through Lectures, demonstration and exposure visits

conducted training programme on millets processing and established Millets Kadak Bhakri Enterprise through SHG in April, 2024.Till date Rs. 43,200/- net profit created through this enterprise.

Success story –4

Title:

Boosting Productivity and Profitability in Drumstick Farming: The Success Story of Mahadev Balbheem Giri

Background:

Mr. Mahadev Balbheem Giri, a dedicated farmer from Vadgaon Dev village in Tuljapur taluka, Dharashiv district, has been cultivating drumstick (Moringa oleifera) for several years. Although the crop held potential, Mahadev initially struggled with low yields, tall and unmanageable trees, and substandard pod quality, which limited his income. Drumstick plants would grow excessively tall, making harvesting difficult and reducing the commercial value of the produce. Recognizing these limitations, Mahadev sought assistance from the Krishi Vigyan Kendra (KVK), Dharashiv.

Interventions

Process:

KVK scientists analyzed Mahadev's farming practices and identified a lack of scientific pruning and training as the core issue. Mahadev was guided to adopt a structured training and pruning regimen for his drumstick plants, aiming to improve productivity and quality.

Technology:

The recommended practice involved timely and systematic pinching and pruning of drumstick plants as follows:

When the main plant reached a height of 60–90 cm, the tip was pinched 10 cm below the top.

Within a week, multiple side branches emerged.

When these side branches reached 60 cm in length, they were again pruned back to 30 cm.

This process was repeated in each subsequent sprouting cycle.

A total of four pinching operations were performed within the first three months of planting in the main field.

This structured approach ensured the plant developed a strong framework with multiple branches at a manageable height, ultimately enhancing flowering, fruiting, and harvestability.

KVK supported Mahadev throughout the process with field demonstrations, regular monitoring, and expert guidance, ensuring proper implementation of the technology.

Impact

Economic Gains:

Before adopting the KVK-recommended technology, Mahadev's net return from drumstick cultivation ranged between ₹2,00,000 and ₹2,52,000 per annum. After implementing the systematic pruning and training method, his net return significantly increased to ₹4,00,000 to ₹4,11,000 annually. This was attributed to improved fruit quality, increased yield, and better market prices for high-grade pods.

Employment Generation:

The expansion and intensification of drumstick cultivation on Mahadev's farm created seasonal employment for laborers involved in pruning, maintenance, harvesting, and sorting activities. This contributed to rural livelihood support in the local area.

Horizontal Spread:

Mahadev's successful experience quickly gained attention among fellow farmers in the region. Encouraged by his results, several nearby farmers visited his field and adopted the same training and pruning techniques in their own drumstick plots, facilitated by KVK outreach programs. Demonstrations and farmer meetings further accelerated the spread of this sustainable practice.

Mahadev Balbheem Giri is now seen as a role model in his village for scientific drumstick cultivation. He is deeply grateful to the KVK for their timely intervention and technical guidance. His success story stands as a testament to the transformative power of scientific farming practices and the crucial role of agricultural extension services in rural prosperity.

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

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

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

5.1. Indicate the specific training need analysis tools/methodology followed for

A. Practicing Farmers

a)
b)
c)

B. Rural Youth

a)
b)
c)
d)

C. In-service personnel

a)
b)
c)

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

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) -
ii. No. of farm families selected per village :
iii. No. of survey/PRA conducted :
iv. No. of technologies taken to the adopted villages
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

A. Practicing Farmers

a) Field level observations
b) Problem identified from Matrix
c) Problem identified from Matrix

B. Rural Youth

a) Field level observations
b) Problem identified from Matrix
c) Problem identified from Matrix

C. In-service personnel

a) Field level observations
b) Problem identified from Matrix
c) Problem identified from Matrix

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

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) –
Bhusani, Omerga
ii. No. of farm families selected per village : 250
iii. No. of survey/PRA conducted :
iv. No. of technologies taken to the adopted villages: 5
v. Name of the technologies found suitable by the farmers of the adopted villages:
Soybean var MAUS 612, Biological Seed treatment , INM, IPDM in soybean crop , Pigeonpea var BDN 13-41, Biomix

vi. Impact (production, income, employment, area/technological– horizontal/vertical) –
26.66 percent yield increase in soybean crop
16.66 percent yield increase in Pigeonpea crop

vii. Constraints if any in the continued application of these improved technologies

6. LINKAGES

A. Functional linkage with different organizations

Name of organization	Nature of linkage
MSRLM, Dharashiv	Conducting training programmes, mahila melawa, OFT's, FLD's, etc
SwayamShikshanPryog, Dharashiv	Conducting training programmes, mahila melawa, OFT's, FLD's, etc
ICDS, Tuljapur	Conducting training programmes, awareness programmes, OFT's, FLD's, Poshanmaahetc
MAVIM, Dharashiv	Conducting training programmes, mahilamelawa, OFT's, FLD's, etc
ATMA, Dharashiv	Conducting Farm school, kisan goshti, field visits, FLD,s etc

WOTR and Smpada , Osmanabad	Conducting training programmes, mahila melawa
Rashtriy Chemicals and Fertilizers	Free soil testing of demonstration plots
WTOR NGO	Farmer fairs and Workshops
Cohesion NGO	Farmer fairs
Zilla parishad	Farmer fairs and Workshops
COA, Dharashiv	Farmer fairs
All India Radio	Transmission of technologies through radio talk and Farmer fairs

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(State Govt./Other Agencies)	Amount (Rs.)
Dr. Panjabrao Deshmukh Natural Farming Mission	**Jan,2025**	**State Govt.**	**10,00000**

C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

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

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	No of Farmers attending
01	**Meetings**	**2**	**7**	**2**	**24**
02	**Research projects**				
03	**Training programmes**	Food Processing	02	02	57
		BBF Technology	**1**	**-**	**120**
		Natural farming, Organic Farming	**12**	**12**	**928**
04	**Demonstrations**				
05	**Extension Programmes**				
	KisanMela				
	Technology Week	District Krishi Mohotsav	**06**	**01**	**25000**
	Exposure visit				
	Exhibition	Ranbhaji mohotsav	02	02	540
	Soil health camps	**1**	**2**	**2**	**240**
	Animal Health Campaigns				
	Others (Pl. specify)	Kisan goshti	**01**	**01**	**103**
06	**Publications**				
	Video Films				

	Books				
	Book chapter				
	Extension Literature				
	Pamphlets				
	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 (Skill development/RPL)

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

G. Details of linkage with PKVY (Paramparagat Krishi Vikas Yojana)

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

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	**CFLD Pulses**	**Demonstrations**	**487500**	**308750**	

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. Innovative Farmers Meet

Sl.No.	Particulars	Details
	Have you conducted Farm Innovators meet in your district?	No

9. Farmers Field School (FFS)

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

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

- Saves time, increase work efficiency of worker by using Drumstick harvester.
- Easy way to improve blood haemoglobin level with the use of Drumstick leaves powder.
- Onion variety Bhima Kiran is a high yielding variety
- Use of IIHR vegetable special in onion increases bulb size and gives more yield
- Use of plastic mulch and crop cover in muskmelon reduces pest infestation attack and thereby increases yield
- The adaptation of drumstick pruning techniques given profuse bearing of pod and plants remained in manageable height
- Soybean MAUS -612 is high yielding variety
- Soybean MAUS -725 having 20 percent pods bearing four grains.
- Sweet sorghum var PVRSG -101 have special character of sweetness and easy harvest
- Sorghum var Parbhani super moti is dual purpose variety.

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

- Onion variety Bhima Kiran is a high yielding variety
- Drumstick pruning techniques is necessary for high yield and manageable height
- Plastic mulch and crop cover use in muskmelon reduce pest infestation and increases yield
- Drumstick pruning techniques is necessary for high yield and manageable height
- Plastic mulch and crop cover use in muskmelon reduce pest infestation and increases yield
- Soybean MAUS -725 bear 20 percent pods having four grains ultimately cause increase in yield.
- Pigeonpea BDN 13-41 is a high yielding variety.

11. Technology Week celebration during 2024: Yes/No, If Yes

Period of observing Technology Week: From to 18.01.2024 to 22.01.2024
Online / Offline: Offline
Total number of farmers visited : 25000
Total number of agencies involved : 05
Number of demonstrations visited by the farmers within KVK campus: --

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	02	1800	Agricultural based enterprises
Lectures organized	12	3500	Agricultural based enterprises, Rabi crop Management
Exhibition	01	25000	Govt, Non- Govt, SHGS stalls
Film show			
Fair			
Farm Visit	04	60	Nursery raising technology,Production technology of flowers
	21	82	Soybean, Chick pea, Pigeon pea, etc
Diagnostic Practical's	02	50	Pruning techniques in drumstick
Supply of Literature (No.)	06	800	Nutritional garden, Mango processing, Solar dryer, Fruit and vegetable processing, Vermicomposting, Organic farming
Supply of Seed (q)			
Total number of farmers visited the technology week		25000	

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

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No. of participants
Total			

D. Animal health camps organized

State	Number of camps	No.of animals	No. of farmers
Total			

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

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

F. Large scale adoption of resource conservation technologies

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

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
	06	**155**	**01**	**103**	**3**	**178**	**2**	**60**	**04**	**2300**		
	7	**147**	**5**	**78**								
Total	**13**	**302**	**6**	**181**								

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)
Nutritional gardening	100	27	0	3300
Food Security Farming Model	100	24	22000	37000
Dal Processing	30	08	0	71200
Oil Extraction	39	2	0	16800
Use of Plastic mulching and crop cover in muskmelon crop	05	40	260000	418000
Use of Onion variety BHima Kiran	10	25	184000	335000
Use of pruning and training practices in drumstick	05	60	2520000	411000
Use of IIHR vegetable special micronutrients	10	30	60000	260000
varietal demonstraion of Pigeonpea var. BDN 13-41	25	100	56250	78450
varietal demonstraion of Sorghum var. SPV 2407	10	100	23000	29000
Assessment of soybean variety MAUS-725	10	100	57600	73600
Assessment of sweet sorghum variety PVRSG-101	10	100	90000	120000
Vermicompost production	30	40	00	70,000
Use of waste decomposer	150	25	00	00

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

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

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

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			
Feb 2024			
March 2024			
April 2024			
May 2024			
Jun 2024			
Jul 2024			
Aug 2024			
Sept 2024			
Oct 2024			
Nov. 2024			
Dec. 2024			

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	104	104	127	45	33	12	425
	farmers Benefited	**41546**	**41546**	**41546**	**41546**	**41546**	**41546**	**41546**
	Voice only	-	-	-	-	-	-	-
	farmers Benefited							
	Voice & Text both	-	-	-	-	-	-	-
	farmers Benefited							
	Total Messages	**104**	**104**	**127**	**45**	**33**	**12**	**425**
	Grant total of farmers Benefited	**41546**	**41546**	**41546**	**41546**	**41546**	**41546**	**41546**

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									
Pulses									
Oilseeds	19.06.2024	22.10.2024	4.00	MAUS-162	Breeder Seed	63.5 q	100000	- - -	Produced seed sent to Seed Processing unit VNMKV, Parbhani
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

C. 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	
1.	Bio-Fertilizers					
2.	Bio-Fungicides					
3.	Bio-pesticides					
4.	Bio-Agents					

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	
1	Poultry	Grampriya	chicken	1189	2,35,775/-	3,40,900/-	
2	Poultry	Grampriya	Day-old-chicks	1182	32,500/-	45,575/-	
3	Fishery	GIFT	Fish	4000	55,000/-	26,000/-	

E. Utilization of hostel facilities

Accommodation available (No. of beds):

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January **2024**			
February **2024**			
March **2024**			
April **2024**			
May **2024**			
June **2024**			
July **2024**			
August **2024**			
September **2024**			
October **2024**			
November **2024**			
December **2024**			

F. Database management

S. No	Period of Database	Database target	Database created

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 Demonstration s	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

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
10 R	Vegetable crops	21	1350
	Fruit crops	05	
	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
23	Vegetable crops	10-15	1500
	Fruit crops	03-04	
	Others if any Flower & medicinal plants	03-04	

H. Details of Skill Development Trainings/RPL 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

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	SBI	Parbhani		PPAO	--	--	--
With KVK	SBI	Tuljapur	20048	PC	62031564175	413002622	SBIN0020048
Projects							

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**	191	191	139
2	**Traveling allowances**	1.00	1.00	0.67
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	0.25	0.25	0.25
B	POL, repair of vehicles, tractor and Equipment's	1.00	1.00	1.00
C	Meals/refreshment for trainees (ceiling up to Rs.40/day/trainee be maintained)	4.50	4.50	4.50
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	3.00	3.00	3.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	0.40	0.40	0.40
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.00	1.00	1.00
G	Training of extension functionaries	0.25	0.25	0.25
H	Maintenance of buildings	--	--	--
I	Establishment of Soil, Plant & Water Testing Laboratory	--	--	--
J	Library	--	--	--
TOTAL (A)		**149.4**	**149.4**	**97.40**
B. Non-Recurring Contingencies				
1	**Works**	--	--	--
2	**Equipment's including SWTL & Furniture**	--	--	--
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	9.00	9.00	11.42
4	**Library** (Purchase of assets like books & journals)	--	--	--
TOTAL (B)		9.00	9.00	11.42
C. REVOLVING FUND		--	--	4.50
GRAND TOTAL (A+B+C)		158.4	158.4	101.90

C. Status of revolving fund (Rs. in lakh) for the Five 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 2020 to March 2021	2602828	410806	659458	2354176
April 2021 to March, 2022	2354176	567635	628430	2293381
April 2022 to March 2023	2293381	910046	603508	2599919
April 2023 to March 2024	2599919	1015110	533140	3170258
April 2024 to March 2025	3170258	854000	450000	2975174 (as on 31.03.2025)

17. 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)	Dates
Varsha K. Marwalikar	SMS – Home Science	Millets for Nutritional & Livelihood Security	College of Community and Applied Sciences, MPUAT, Udaipur	Offline	11-15 March, 2024

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 (base year)	After (current year)

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	NARI / FSN	01	Guidance	03	68
			Layout of Nutritional garden	03	54
			Ranbhaji exhibition	02	148
			Distribution of nutritional garden kit	02	50
			Field Visits	06	256
2	**Outscalling of Natural farming through KVKs**	**8**	**Training,demonstrations,Awarness programmes**	**23**	**50**

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	
Oilseeds and Pulses Processing	**01**	**30**	**03**	**30**	**02**	**1,34,240/-**	**2,87,000/-**	**02**

Fruits and Vegetables Processing	**01**	**36**	**03**	**36**	**--**	**--**	**--**	**01**
Millets Processing	**01**	**30**	**02**	**30**	**01**	**--**	**43,200/-**	**01**
Vermicompost production Technology	**01**	**30**	**1**	**30**	**12**	**--**	**35%**	**2**

21. Details of Swachhta Action Plan (SAP)

S. No.	*Types of major Activity conducted- Swachhta Pakhwada, Cleaning, Awareness Workshop, Microbial based Agricultural Waste Management by Vermicomposting etc.*	No. of Programmes conducted	No. of Participants
	Microbial based Agricultural Waste Management by use of decomposer bacteria.	02	100

Sr. No	Name of KVK	Date	*Activity*	No of VIPs	No of Farmers	Others	Total

22. Books published 2024-25

Title of the Book	Authors	ISBN No	Publisher	Pages No	Description/review of the book (one paragraph)
Natural Farming	**Dr. Arbad B K**	**--**	**DEE,VNMKV,parbhani**	**40**	**All about Natural farming.**

23. Footfall in KVKs

State	Name of KVK	No. of Footfalls			
		Farmers	Officials	VIPs	Total
MS	**KVK, Osmanabad**	**7668**	**44**	**08**	**7720**

24. 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	112	3010	1958	4968
Rural youths	10	142	162	304
Extension functionaries	04	153	175	328
Sponsored Training	04	79	21	100
Vocational Training	05	0	136	136
Total	**135**	**3384**	**2452**	**5836**

2. Frontline demonstrations

Crops/Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds			
Pulses	25	10	25
Cereals	10	04	10
Vegetables	20	04	20
Other crops	10	02	10
Hybrid crops			
Total	**65**	**20**	**65**
Livestock & Fisheries	20	04	20
Other enterprises	02	02	100
Total	**22**	**06**	**120**
Grand Total	**87**	**26**	**185**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	16	16	150
Livestock	02	02	20
Various enterprises	02	02	20
Total	**20**	**20**	**190**
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total			

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	345	36897
Total	**345**	**36897**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Awar e-ness	Other enterprise	Total
	Text only	104	104	127	45	33	12	425
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	**104**	**104**	**127**	**45**	**33**	**12**	**425**
	Total farmers Benefitted	**41546**	**41546**	**41546**	**41546**	**41546**	**41546**	**41546**

6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (q)		
Planting material (No.)	2500	225000
Bio-Products (kg)		
Livestock Production (No.)	2371	386475
Fishery production (No.)		

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value (Rs.)
Soil		
Water		
Plant		
Total		

8. HRD and Publications

Sr. No.	Category	Number
1	Abstract	03
2	Workshops	07
3	Conferences	03
4	Meetings	12
5	Trainings for KVK officials	01
6	Visits of KVK officials	06
7	Book published	02
8	Training Manual	
9	Book chapters	
10	Booklet	
11	Leaflets/ Folder/ Pamphlet	02
12	Research papers	
13	Technical Bulletin	
14	Popular article	06
15	Lead papers	
16	Seminar papers	
17	Extension folder	02
18	Proceedings	
19	Award & recognition	02
20	On-going research projects	
21	Other	