### PROFORMA FOR PREPARATION OF ANNUAL REPORT (Jan to December 2022)

### **APR SUMMARY**

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

### 1. Training Programmes

Cliente le	No. of Courses	Male	Female	Total participants
Farmers & farm women	72	1074	432	1506
Rural youths	07	51	25	76
Extension functionaries	12	109	64	173
Sponsored Training	-	-	-	-
Vocational Training	07	40	25	65
Total	<mark>98</mark>	1274	546	1820

### 2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	77	20	-
Pulses	88	20	-
Cereals	31	12	-
Vegetables	14	1.3	-
Other crops	12	1.0	-
Hybrid crops	-	-	-
Total	222	54.3	-
Livestock & Fisheries	-	-	-
Other enterprises	20	0.9	60
Total			
Grand Total	242	55.20	

#### 3. Technology Assessment & Refinement

Category	No. of Technology	No. of Trials	No. of Farmers	
	Assessed & Refined			
Technology Assessed				
Crops	8	24	24	
Livestock	-	-	-	
Various enterprises	-	-	-	
Total	8	24	24	
Technology Refined				
Crops	-	-	-	
Livestock	-	-	-	
Various enterprises	-	-	-	
Total	-	-	-	
Grand Total	8	24	24	

### 4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	868	8430
Other extension activities	133	2284
Total	1001	10714

### 5. Mobile Advisory Services

		Type of Messages						
Name of KVK	Message Type	Crop	Livestock	Weather	Marke- ting	A ware -ness	Other enterpris e	Total
	Text only	210	-	103	-	26	-	339
	Voice only	-	-	-	-	-	-	-
	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	210	-	103	-	26	-	339
	Total farmers Benefitted	6196	-	2126	-	1547	-	9842

### 6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	347.90	594572
Planting material (No.)		
Bio-Products (kg)		
Livestock Production (No.)	01	-
Fishery production (No.)		

### 7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	279	7190
Water		
Plant		
Total	279	7190

### 8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	02
2	Conferences	21
3	Meetings	12
4	Trainings for KVK officials	03
5	Visits of KVK officials	-
6	Book published	1
7	Training Manual	-
8	Book chapters	01
9	Research papers	02
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	05
13	Proceedings	01
14	Award & recognition	-
15	On going research projects	-

### **DETAIL REPORT OF APR-2022**

### **1. GENERAL INFORMATION ABOUT THE KVK**

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

Address	Telephor	ne	E mail	
Address	Office	FAX	E-man	
Krishi Vigyan Kendra, Khekra,	9412311502	-	kvkbaghpat1@gmail.com	
NH 709B (Behind New Tehsil)				
Baghpat - 250 101 (U.P.)				
Website: baghpat.kvk4.in				

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

Address	Telephone		E-mail
	Office	FAX	
Sardar Vallabhbhai Patel University of	0121-288522,	0121-	vc2016svpuat@gmail.com
Agriculture & Technology,		288505,	deesvpuat2014@gmail.com
Meerut (U.P.)		288540	
Website: svbpmeerut.ac.in			

### 1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact			
	Residence	Mobile	Email	
Dr. Sandeep Chaudhary, Professor/OIC	-	9412311502	sundeep.baraut@gmail.com	

### 1.4. Year of sanction: 27-04-2014

### **1.5. Staff Position (as on 31<sup>st</sup> August 2022)**

SI. No.	Sanctioned post	Name of the in cumben t	De signation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	-	-	-	-	-	-	-	-
2	Subject Matter Specialist	Dr. Sandeep Chaudhary	Professor/OIC	Crop Production	37400- 67000	182700	01/01/1996	Permanent	OBC
3	Subject Matter Specialist	Dr. Sarita Joshi	Professor	Home Science	37400- 67000	205600	26/08/1995	Permanent	Others
4	Subject Matter Specialist	Sh. Amit Chaudhary	SMS/Asstt. Professor	Horticulture	1 <i>5</i> 600- 39100	98200	09/12/2003	Permanent	OBC
5	Subject Matter Specialist	Dr. Shivam Singh	SMS/T6	Plant Protection	1 <i>5</i> 600- 39100	56100	01/07/2022	Permanent	Others
6	Subject Matter Specialist	Dr. Sonika Grewal	SMS/T6	Livestock Production	1 <i>5</i> 600- 39100	56100	01/07/2022	Permanent	OBC
7	Subject Matter Specialist	Er. Gaurav Sharma	SMS/T6	Ag. Engineering	1 <i>5</i> 600- 39100	56100	08/07/2022	Permanent	OBC
8	Programme Assistant	-	-	-	-	-	-	-	-
9	Computer Programmer	-	-	-	-	-	-	-	-
10	Farm Manager	Dr. Ravindra Kumar	Programme Assistant/Farm Manager	Soil Science	9300- 34800	56900	02/08/2007	Permanent	OBC

11	Accountant / O.S.	Sh. Sanjeev Chandel	Accountant	Accountancy	9300- 34800	70000	10/12/2003	Permanent	OBC
12	Stenographer	Sh. Praveen Kumar Premi	Steno	-	5200- 20200	41600	26/12/2008	Permanent	SC
13	Driver	Sh. Papin Kumar	Driver cum Mechanic	-	5200- 20200	32300	26/12/2008	Permanent	OBC
14	Driver	-	-	-	-	-	-	-	-
15	Supporting staff	Sh. S. C. Sharma	-	-	5200- 20200	38600	01/12/1992	Permanent	Others
16	Supporting staff	-	-	-	-	-	-	-	-

### **1.6. Total land with KVK (in ha)**:

S. No.	Item	Area (ha)
1	Under Buildings, roads & irrigation Channel	3.042
2.	Under Demonstration Units	0.60
3.	Under Crops	7.60
4.	Orchard/Agro-forestry	1.40
	Total	12.642

# 1.7. Infrastructural Development: A) Buildings

S.	Name of	Source	Stage					
No.	building	of	Complete			Incomplete		
		funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of constr uction
1.	Administrative Building	ICAR	-	510	43.65	-	-	-
2.	Farmers Hostel	ICAR	-	300	22.92	-	-	-
3.	Staff Quarters (6)	ICAR	-	400	26.72	-	-	-
4.	Demonstration	ICAR	-	160	11.06	-	-	-
	Units (2)							
5.	Fencing	ICAR	-	2000 RM	38.43	-	-	-
6.	Rain Water	ICAR	-	1000RM	8.26	-	-	-
	harvesting							
	system							
7.	Threshing floor	ICAR	-	300	2.34	-	-	-
8.	Farm godown	ICAR	-	60	3.63	-	-	-
9.	Center of	UPCAR	14/07/2022	105	24.00	-	-	-
	Excellence							
	Implement shed							

### **B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshal Jeep	Not available	-	-	-
Motor Cycle	2006	46575.00	93122	Not Good

### C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Tractor Sonalika	2005	3,44,500.00	Not Good
12 Disc Harrow	2005	20275.00	Not Good
Cultivator	2005	12265.00	Not Good
Leveler	2006	5080.00	Not Good
Two tier tractor trolley	2006	65106.00	Not Good
LCD Projector	2007	5700.00	Not Good

### **1.8.** A). Details SAC meeting\* conducted in the year

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	26.11.21	1. Dr. Gajendra Pal, Professor & Head	1. Dr. Gopal Singh, Joint	1. Five days training
		KVK Baghpat	Director Extension	from 07-11 Nov.,
		2. Dr. Gopal Singh, Joint Director	suggested to organize	2022 programme for
		Extension, SVPUA&T, Modipuram,	demonstration and training	rural youth have
		Meerut	programme	been conducted by
		3. Dr. S.K. Tirpathi, Assistant Professor	2. Dr. Gopal Singh, Joint	SMS Plant
		Extension, SVPUA&T, Modipuram,	Director Extension	Protection No. of
		Meerut	suggested to use Nano Urea	beneficiaries were
		4. Dr. Sandeep Pal, BSA (Soil	or DAP organizing	11.
		Conservation), Baghpat	Training/demonstration of	2. One OFT on
		5. Dr. Sandeep Kumar Singh, Joint	cucurbits crops.	cucurbits crop
		Director, Ch. Charan Singh National	3. Dr. Gopal Singh, Joint	([khjk) have been
		Institute of Animal Health, Baghpat	Director Extension	conducted during
		6. Prasant Kumar, Deputy Director	suggested to purchase mini	2022 in which effect
		Agriculture, Baghpat	seed kit from University	of NPK +
		7. Dr. Sandeep Chaudhary, Professor	Headquarter 1.e	micronutrient on
		(Agronomy), KVK Baghpat	(SVPUA&T Modipuram	production on
		8. Dr. Sarita Joshi, Professor (Home	Meerut)	Production have
		Science), KVK Bagnpat	4. District Horticulture Officer	been assessed.
		9. Sn. A mit Chaudhary, Assistant Professor (Hort) KVK Pachnot	(DHO) suggested to	3. Mini seed kit from
		10 Sh Dinosh Kumar Arun District	organize training on	IARI Pusa have
		Horticulture Officer Baghpat	horticulture grop	been purchased for
		11 Moh Rameesh Eisheries	5 Dr. Sandeen Kumar Singh	conducting FLD o
		Department Baghpat	Joint Director Ch. Charan	nutrigarden.
		12 Sh Ranveer Singh Soil Conservation	Singh National Institute of	
		Laboratory, Baghpat	Animal Health suggested to	4. Training on nursery
		13. Sh. Sashi Kumar Yaday, RSETI.	conduct trainings one	management of
		Baghpat	livestock also.	horticulture crop
		14. Sh. Rajesh Pant, District Land Band,		have been conducted
		Manager, Baghpat		
		15. Sh. Ishwar Tyagi, Progressive		5. 06 training
		Farmers		programme have
		16. Dr. Ramesh Chandra, Chief		been conducted by
		Veterinary Officer, Baghpat		livestock unit &
		17. Smt. Rajveeri, Progressive Women		total 124 farmers &
		Farmers		farm women have
		18. Smt. Rakesh, Progressive Women		been benefitted.
		Farmers		
		19. Dr. Bhupandar Kumar, Farm Manger,		
		KVK Baghpat		
		20. Ku. Ankita Negi, SMS, KVK		
		Bagnpat		
		21. Sn. P.K. Fremi, Steno, KVK Baghpat		
		22. Sn. Aduprakesh Tyagi, Progressive		
		1.4110-15		

		6
	23. Sh. Sadab, Agromet, KVK Baghpat	
	24. Sh. Dev Kumar, SRF, KVK Baghpat	
	25. Sh. U.S. Rathi, Computer	
	Programmer, KVK Baghpat	
	26. Dr. Ravindra Kumar, Programme	
	Assistant (Soil), KVK Baghpat	
	27. Sh. Sanjeev Chandel, O.S., KVK	
	Baghpat	
	28. Sh. Surendra Yadav,	
	Dairy/Agriculture, Baghpat	
	29. Sh. Vinod Tyagi, Progressive Farmers	
	30. Sh. Anuj, Horticulture, Baghpat	
	31. Sh. Nishant, RAWE, KVK, Baghpat	
	32. Sh. Aashuman Verma, RAWE, KVK,	
	Baghpat	
	33. Sh. Ajay Verma, RAWE, KVK,	
	Baghpat	
	34. Sh. Sandeep Kumar, RAWE, KVK,	
	Baghpat	
	35. Sh. Sorabh Dexit, RAWE, KVK,	
	Baghpat	
	36. Sh. Narayan Singh, RAWE, KVK,	
	Baghpat	
2.		

### **2. DETAILS OF DISTRICT** (31<sup>st</sup> December, 2022)

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

S. No	Farming system/enterprise
1	Agriculture+Animal Husbandry
2	Agriculture+Animal Husbandry+Horticulture

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

S. No	Agro-climatic Zone	Characteristics
1	North Western Plain Zone	Sub humid to Subtropical climate, maximum and minimum temperature 44 $.2^{\circ}$ C and $3^{\circ}$ C respectively with average rainfall is about 512.69 mm in last
		11 year

### 2.3 Soil type/s

S.	Soil type	Characteristics
No		
1	Sandy loam	The soil have enough clay to store adequate amount of water and plant nutrients for
	to loam	optimum plant growth, containing enough sand, silt and clay. Clay content is not much
	with	as to cause poor aeration or to make working difficult. A soil containing 7 to 27% clay
	normal pH	and approximately equal amount of silt and sand has been designated as loam textured
		soil.

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Сгор	Area (ha)	Production (MT)	Productivity (q/ha)
1	Sugarcane	74.227	866.40	866.40
2	Jawar (grain)	0.011	0.012	10.91
3	Bajra	0.595	1.062	17.85
4	Maize	0.009	0.023	25.56
5	Urd	0.52	0.584	11.23
6	Arhar	0.464	0.336	7.24
7	Rice	4.847	13.998	28.88
8	Wheat	55.427	253.468	45.73
9	Barley	0.038	0.149	39.21
10	Mustard	2.716	3.715	13.66
11	Gram	0.311	0.013	11.82
12	Massor	0.052	0.053	10.14
13	Pea	0.013	0.020	15.56

### 2.5. Weather data

Month	Rainfall (mm)	Te	mpe rature <sup>°</sup> C	Relative Humidity (%)
		Maximum	Minimum	
January	88	17.3	7.9	88.15
Fe br uar y	16	23.55	9.19	71.69
March	0	33.1	15.9	66.22
April	0	41.63	20.87	37.08
May	54	39.52	24.1	60.00
June	75.5	40.27	25.53	56.77
July	177	45.5	26.78	80.77
August	76.5	35.1	26.71	80
September	127	34.45	24.6	79.48
October	36.5	32.33	18.5	72.9
November	0	29.1	12.67	65.8
December	0.5	23.12	8.12	70.80

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

Category	Population	Production	Productivity
Cattle			
Crossbred	83834	150486 lit/day	10.5 lit/day
Indigenous	39492	139997 lit/day	6.5 lit/day
Buffalo	139763	838578 lit/day	6.0 lit/day
Sheep			
Crossbred	3782	-	-
Indigenous	2924	-	-
Goats	16948	-	-
Pigs			
Crossbred	442	-	-
Indigenous	3138	-	-
Poultry			,
Hen			

Desi	39596	-	-
Improved			
Horse	2387		
Donkey	358		
Mule	936		
Dog	3251		
Camel	96		
Fish (Reservoir)	53.843 Ha.	1615.99Q	30Q/Ha.

## 2.7 Details of Operational area / Villages (2022)

S.N.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem i dentified	Identified Thrust Areas
1.	Khekra	Khekra	44	Dairy, sugarcane, paddy, wheat. mustard, moong, arhar, poultry & vegetables	<ol> <li>Low production in late sown wheat</li> <li>Weed infestation in wheat</li> <li>Reducing production</li> </ol>	<ul><li>a. Increase productivity of wheat in late sown conditions.</li><li>b. Increase milk production in Buffalos.</li></ul>
2.	Baghpat	Baghpat	47	Dairy Sugarcane, paddy, wheat, fodder & vegetables	<ol> <li>White grub attack in sugarcane.</li> <li>Red rot in sugarcane</li> <li>Late sowing of</li> </ol>	<ul> <li>c. Balance use of fertilizer in sugarcane.</li> <li>d. Balance use of fertilizer in wheat.</li> </ul>
	Dugnput	Pilana	49	Dairy Sugarcane, paddy, wheat, mustard, moong, arhar& poultry	sugarcane due to wheat- sugarcane system 7. No use of potash in	<ul> <li>e. Weed management in wheat.</li> <li>f. Management of pests in sugarcane</li> </ul>
3.	Baraut	Baraut	50	Dairy, Sugarcane, wheat, fodder & vegetables crop	<ol> <li>8. Deficiency of minor elements and organic</li> </ol>	g. Creating awareness about human nutrition /nutritional needs to
		Chhaprauli	26	Dairy, sugarcane, wheat. Fodder & vegetable crops	9. Depletion of ground water 10. Low production of old	of nutritional deficiency in rural woman & children.
		Binauli	65		<ol> <li>Low production of old orchards</li> <li>Insect attack in vegetables</li> <li>Low production of milk health. in cow &amp; buffalo.</li> <li>Long dry period in milch animals</li> <li>Undeveloped marketing system of Agriculture of produces</li> <li>Less net return in sugarcane based cropping system.</li> <li>Infertility in buffalo and cow and poor health of animal</li> </ol>	<ul> <li>h. Management of mango orchards.</li> <li>i. Pest and weed management in paddy</li> <li>j. Maintenance of soil</li> <li>k. Disease management in okra.</li> <li>l. Promotion of oilseed and pulse crops.</li> <li>m. Intercropping with sugarcane.</li> <li>n. Balance diet with mineral mixture and vaccination to animals.</li> <li>o. Renovation of old orchards</li> </ul>

### 2.8 Priority/thrust areas

S.	Crop/Enterprise	Thrust area		
No.				
1	Wheat	Increase productivity of late sown conditions		
		Weed management.		
2	Sugarcane	Management of pests & disease		
3	Nutritional Management	Creating awareness about human nutrition (nutritional needs to mitigate the problems of nutritional deficiency in rural woman		
		intigue the problems of numeronal deficiency in futur workin.		
4	Paddy	Pest & disease management		
5	Soil	Maintenance of soil health.		
6	Vegetable	Pest Management and crop husbandry		
7	Oilseed and Pulses	Promotion of oilseed and pulses crops.		

### 2.9 Intervention/ Programmes for the doubling the farmers income -Nil

### **<u>3. TECHNICAL ACHIEVEMENTS</u>**

### 3.A. Details of target and achievements of mandatory activities by KVK during 2022

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
	1			2			
Numb	er of OFTs	Total no. of Trials		Area in ha		Number of Farmers	
Targe ts	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	08	36	36	100	55.20	200	242

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)				Extension Activities				
3					4			
Num	ber of Cou	urses	Number of Participants		Number of activitiesNumber of participan			iber of cipants
Cliente le	Targets	Achievement	Targets	Achievement	Target	Achievemen	Target	Achieve
					S	t	S	ment
Farmers	64	72	1280	1506	500	236	12000	7602
Rural youth	08	07	80	76				
Extn. Functionaries	12	12	180	173				
Total	84	91	1540	1755	500	236	12000	7602

Seed Production (q)			Planting material (Nos.)			
5			6			
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers	
375.00	347.9.00	Supply to NSC, Meerut				

### I.A TECHNOLOGY ASSESSMENT

Thematic areas     Crop     Name of the technology assessed		No. of trials	No. of farmers	
Integrated Nutrient Management	Cucumber	Use of balanced fertilizers in cucumber production	03	03
Varietal Evaluation	Wheat	Screening of timely sown wheat variety	03	03
	Pea	Evaluation of improved variety of vegetable pea	03	03
Integrated Pest Management	Paddy	Control of brown plant hopper in paddy	03	03
Integrated Crop M anagement	Paddy	Evaluation of chemical and natural farming in basmati paddy production	03	03
Farm M achineries	Sugarcane	Deep plowing of the field by disc plow before sowing sugarcane in autumn	03	03
Drudgery Reduction	Onion	Increasing the work efficiency and reducing the risk/difficulty of the farmer women doing onion weeding by using twin wheel hoe machine.	03	03
Others (Pl. specify) Human health	Wheat, Chickpea & Barley	To test the effective use of mixed cereal flour (wheat flour 75% gram flour 20% and barley flour 5%) for improving the nutritional status of farm women.	03	03
Total			24	24

#### Summary of technologies assessed under various crops by KVKs

Summary of technologies assessed under livestock by KVKs-Nil

Summary of technologies assessed under various enterprises by KVKs -Nil

### I.B. TECHNOLOGY REFINEMENT-NIL

### I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment and or refinement under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

### VARIETY EVALUATION

1. Problem definition: Low production of local species

Technology Assessed or Refined (as the case may be): Screening of timely sown wheat variety

KVK, Baghpat in Uttar Pradesh conducted an on-farm trial to **assess or refine** (**as the case may be**) effect of timely sown variety on production. Production of wheat variety DBW-222 was found quite effective in terms of high yield and taste of bread/chapatis as compared to farmer's practice (wheat variety HD-2967). Production of PBW-222 was 48.75 q/ha while HD-2967 has yielded 40.50 q/ha.

#### Table: Screening of wheat varieties for the production:

Technology Option	No.of trials	Yield (q/ha)	Net Returns (Rs. in lakh./ha)	
Use of wheat variety HD-2967 (Farmer's		40.50	1.18	
practice)	03			
Use of wheat variety DBW-222		48.50	1.35	



2. Problem definition: Low production of local species

### Technology Assessed or Refined (as the case may be): Evaluation of improved variety of vegetable pea

KVK, Baghpat in Uttar Pradesh conducted an on-farm trial to **assess or refine** (**as the case may be**) effect of improved variety on vegetable pea production. Production of pea variety PSM-05 was found quite effective in terms of high yield as compared to farmer's practice (local pea variety Arkil) (65.0 q/ha) with net return of Rs. 3.62 lakh.

#### Table: Screening of pea varieties for the production:

Technology Option	No.of trials	Yield (q/ha)	Net Returns (Rs. in lakh./ha)
Use of local pea variety Arkil (Farmer's		65.0	2.73
practice)	03		
Use of improved pea variety PSM-05		80.5	3.62



INTEGRATED CROP MANAGEMENT

### Problem definition: Decrease in product quality

Technology Assessed or Refined (as the case may be): Evaluation of chemical and natural farming in basmati paddy production

KVK, Baghpat in Uttar Pradesh conducted an on-farm trial to **assess or refine** (as the case may be) difference between chemical and natural farming systems on production of paddy. As a result, production of paddy (39.37 q/ha) was recorded high with chemical farming system as compared to natural farming system (26.87 q/ha) with net return of Rs. 157,480.00.

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)
Use of N:P:K (80:60:40) (as farmer's practice,		39.37	1.57
chemical farming, variety: PB-1718)	03		
Natural farming with cow based products	05	26.87	1.07
(variety: PB-1718)			

 Table : Difference between natural and chemical cropping systems on production of paddy:

### INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Lower productivity of cucumber due to imbalance application of fertilizers

### Technology Assessed or Refined (as the case may be): Use of balanced fertilizers in cucumber production

KVK, Baghpat in Uttar Pradesh conducted an on-farm trial to find out appropriate nutrient management practice to enhance the cucumber productivity. The **assessed or refined** (as the case may be) use of NPK along with zinc sulphate, copper sulphate and boron was found better with 28.57 % increase in yield.

### Table: Effect of NPK, zinc sulphate, copper sulphate and boron in enhancing yield in cucumber

Technology Option	No.of trials	Germination (%)	Plant height at flowering stage	Yield (q/ha)	Increase in Yield (%)	B:C Ratio
Use of DAP and Urea (Farmers Practice)	02	-	-	175		25:1
Use of NPK + micro nutrients	05	_	-	225	28.57	31.12:1

### PEST MANAGEMENT

Problem definition: Heavy infestation of brown plat hopper effecting in a yield loss of 15-40%

### Technology Assessed or Refined (as the case may be): Control of brown plant hopper in paddy

KVK, Baghpat in Uttar Pradesh conducted an on-farm trial on insecticide evaluation to control brown aphid in paddy to check the efficacy of new insecticide Dinotefuran 20 SG @ 250 g/ha. Based on the data collected, Dinsecticide fared significantly better than the chemical insecticide being used as a practice by farmers in terms of pest incidence, yield potential and economic returns.

### Table: Effect of insecticides to control of brown plat hopper in paddy

Technology Option	No.of trials	Per cent deduction	Yield (q/ha)	% Increase in yield over farmer's practice	B:C Ratio
Spray of Fipronil 5 SC @ 2 ml/lit (Farmers Practice)	03	32.29	31.25		3.25:1
Spray of Dinotefuran @ 0.5 ml/lit		51.14	37.50	20	4.06:1





#### **DRUDGERY REDUCTION**

**Problem definition:** Low work efficiency and high drudgery of farm women during weeding in onion **Technology Assessed (as the case may be) :** Use of Twin wheel hoe for drudgery reduction and efficiency enhancement of farm women involved in weeding onion.

Many agriculture operations are performed by women involve a lot of physical strain. Weeding is one of them. Traditionaly khurpi is being used in Baghpat. In order to enhance the efficiency and reducing drudgery, Krishi Vigyan Kendra, Baghpat conducted a trial by introducing twin wheel hoe as T2 (technology option 2) for weeding of onion against traditional khurpi as farmer practice T1 (technology option 1) on three locations. Results revealed that the activity became less drudgery prone as the perceived exertion has been reduced from severe to mild when work is performed by T2 and The output is increased by 90.08%.

#### **Result:**

Technology	Parame te r	Data	Result
T <sub>1</sub> :Use of	Output m <sup>*2</sup> /hr	60.5	The output is increased by
khurpi for	Average working heart rate (b/min)	105.50	90.08 % when the work is
weeding	EER (KJ /min)		performed by T2(twin wheel
onion	Rate of perceived exertion ( Pain in	7.97	hoe) and the activity became
	legs and upper arms)		less drudgery prone as the
	(on 5 point scale)	Very severe pain .9	perceived exertion has been
		Due to adoption of	reduced from very severe (as in
		aquating posture for	case of T1) to mild (as in case
		many hours.)	of T2.Thus drudgery is
T <sub>2</sub> : Use of	Output m*2/hr	115	minimized.Women farmer
twin wheel	Average working heart rate (b/min)	112	showed their interest and
hoe for	EER (b/m)		willingness for adopting T2.
weeding	Rate of perceived exertion (on 5 point	9.08	
onion	scale) Pain in legs and upper arms)	mild	
	(on 5 point scale)		





### NUTRITIONAL SECURITY / FORTIFICATION

**Problem definition** : Low nutritional status/mal nutrition among farm women **Technology assessed** : Supplementation of fortified wheat flour/ multigrain flour [ wheat flour 75% +grain flour 20% + Barley flour 5%] for 180 days.

It has been found that majority of farm women have been suffering from iron deficiency and they have been complaining general health problem (fatigue back ache, head ache). KVK Baghpat conducted trial by assessment of effective supplementation of fortified wheat flour for improvement of nutritional status of farm women by providing / multigrain flour [ wheat flour 75% +gram flour 20% + Barley flour 5%] for 180 days (T1) against consumption of 100% wheat flour (T2) as their staple diet. Gram and barley have been provided as input to the subjects for the period of **180 days**. Result revealed that the subjects (average value) were able to obtained in case of T2 (Calori, protein, fat, fibre, minerals like calcium, Phosphorus and iron as dipected in table) as comparision to T1. Similarly value of BMI and HB level were also found increased from (17.8 to 18.6) and (9.3 to 10.45) respectively in T2 as compare to T1.

#### **Results:**

Physical parameter

Technology	No. of trials	Quantity required/day	Duration (day)`	Height	Weight	BMI	% change in BMI	HB level	% change in HB level
T <sub>1</sub> -use of wheat flour	03	350	180	158-6	44-3	17- 8*	4 <b>%</b>	9-32	18% less from minimum value**
T <sub>2</sub> - use of fortified flour		550	180	158-6	46-66	18- 6*		10-45	5-2% less from minimum value**

\*Note: The standard range of BMI Level lies between 18-24.

\*\*Note: The standard range of H.B. Level lies between 11-17.

#### Nutritional parameter

Techno	Re qui	Composition				Obtaine	d nutrie	nts		
logy	remen	of flour	Calory	Prot	fat	Carbohy	fibre	Calciu	Phosph	Iron
	t/day			eint	(gm	drates	(gm)	m	orus	(ml.gm
				(gm)	)	( <b>gm</b> )		(ml.gm)	(ml.gm	)
									)	
T <sub>1</sub> -use of	350	Wheat 100%	1091	38-	5-35	224-49	39-76	71-40	385	14-66
wheat	gm			50						
flour										

T <sub>2</sub> - use	262-50	Wheat 75%	818-73	28-	4-01	168-36	29-82	53-55	288-75	15-69
of	70-00	Gram 20%	160-00	75	3-59	32-70	17-65	105-00	218-40	4-25
fortifie d flour	17-5	Barley 5%	533-00	13-	-23	10-76	2-73	5-01	31-15	-273
				13						
				1-91						
			1511-73	43-	7-83	211-80	50-20	208-56	538-00	20-21
				86						

Source C. Gopalan et al., ICMR 2018 : nutritive value of Indian food

### **II. FRONTLINE DEMONSTRATION**

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

List of technologies demonstrated during previous year and popularized during 2021 and recommended for large scale adoption in the district

S.No	Crop/	Thematic	Technology	Details of	Hori	zontal spre	ad of
	Enterprise	Area*	de monstrate d	popularization		te chnology	
				methods suggested	No. of	No. of	Area
				to the Extension	Vill.	farmers	in ha
				s ys tem			
1	Wheat	Variety	DBW-173	Training and	05	12	4.0
	(Rabi 2021-22)	evaluation		demo.			
2	Paddy	Variety	PUSA 1718	Training and	04	09	4.0
	(Kharif 2022)	evaluation		demo.			
3	Tomato	Variety	Pusa hybrid	Training and	02	05	0.4
	(Rabi 2021-22)	evaluation	-2	demo.			
4	Radish	Variety	Japani White	Training and	06	9	0.9
	(Kharif 2022)	evaluation		demo.			
5	Nutrigarden	Nutritional	Cultivation of	Training, demo.	10	50	0.75
	(Rabi. Zaid.	food security	vegetables	and Ghosti			
	Kharif)		round the year				

\* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during **2022** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

SI. No.	Сгор	The matic are a	Te chnology De monstrate d	Season and year	Area (ha)		No. of f demons	armers/ tration		Reasons for shortfall
					<b>Proposed</b>	Actual	SC/ST	<b>Others</b>	Total	
OILS	SEED									
1	Mustard	Variety evaluation	Improved variety RH 725	Rabi 2022- 23	20	20	11	41	52	-
2	Sesame	Variety evaluation	GJT-5	Kharif 2022	10	10	08	14	22	
PUL	SES									
1	Black Gram	Variety evaluation	Partap Urd-01	Zaid 2022	10	10	12	26	38	-

2	Black Gram	Variety evaluation	PU-31 & Mukundra urd 2	Kharif 2022	10	10	06	44	50	-
3	Field Pea	Variety evaluation	IPFD-12-2	Rabi 2022- 23	20	20	10	36	46	
CER	EALS						•			•
1	Wheat	Variety evaluation	DBW-173	Rabi 2021- 22	04	04	02	10	12	
2	Paddy	Variety evaluation	Pusa 1718	Kharif 2022	04	04	02	07	09	
3	Paddy	Pest Control	ControlofBrownPlantHopper	Kharif 2022	04	04	00	10	10	
Hort	icul tur al cro	ps			•					·
1	Tomato	Variety evaluation	Pusa hybrid -2	Rabi 2021- 22	0.4	0.4	01	04	05	
2	Radish	Variety evaluation	Japani White	Kharif 2022	0.9	0.9	03	06	09	
3	Vegetables	Nutritional food security	Availability of vegetables around the year	Rabi & Zaid 2021- 22	0.9	0.9	04	56	60	
Fodd	ler Crops									
1	Sugar Grej (Jwar)	Fodder production	Production of green fodder	Kharif 2022	1.0	1.0	00	12	12	
2	Makkhan Grass	Fodder production	Production of green fodder	Rabi- 2022- 23	1.0	1.0	00	12	12	

### Details of farming situation

Сгор	Season	Farming situation .F/Irrigated)	Soil type	Sta	itus of	<sup>°</sup> soil	evious crop	owing date	larvest date	Seasonal infall (mm)	Vo. of rainy days
		R)		N	Р	K	Pr	S	Ш	Ľ3	Z
Mustard	Rabi 2021- 22	Irrigated	Sandy loam	0.45	24	161	Paddy	15 <sup>th</sup> Oct. to 30 <sup>th</sup> Nov. 21	15 <sup>th</sup> Feb. 10 <sup>th</sup> March 22		
Sesame	Kharif 2022	Irrigated	Sandy loam	0.23	26	118	Urd	15 <sup>th</sup> July to 10 <sup>th</sup> August 22	October 22		
Black Gram	Zaid 2022	Irrigated	Sandy loam	0.24	25	220	Mustard	March 2022	June 22		
Black Gram	Kharif 2022	Irrigated	Sandy loam	0.25	27	225	Jowar	10 <sup>th</sup> to 30 <sup>th</sup> July 22	October 22		
Wheat	Rabi 2021- 22	Irrigated	Sandy loam	0.26	25	222	Paddy	25 <sup>th</sup> Nov to 04 <sup>th</sup> Dec 21	March 22		
Paddy	Kharif 2022	Irrigated	Sandy loam	0.28	26	226	Dhancha	15 <sup>th</sup> to 20 <sup>th</sup> July 22	October 22		
Tomato	Rabi 2021- 22	Irrigated	Sandy loam	0.32	26	200	-	-	-		

Radish	Kharif 2022	Irrigated	Sandy loam	0.33	28	226	-	-	-	
Vegetable	Rabi & Zaid 2021- 22 Kharif	Irrigated	Sandy loam	0.25	29	125	Vegetable	15 <sup>th</sup> to 25 <sup>th</sup> Sep 22 25 <sup>th</sup> Feb to 1 <sup>st</sup> March 22 June 22	Multiple cutting of crop as per requirement	
Sugar Grej (Jwar)	Kharif 2022	Irrigated	Sandy loam	0.27	23	124	Wheat	March to Aug 22	Multiple cutting of crop as per requirement	
Makkhan Grass	Rabi- 2022- 23	Irrigated	Sandy loam	0.21	20	118	Oat/Baree m	Oct to Dec 22	Multiple cutting of crop as per requirement	

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	More yield was found with thinning, after 25 days of mustard plants.
2	Line sowing of wheat crop was found 5-7% increased in yield and reduction in seed rate.

### Farmers' reactions on specific technologies

S.No	Feed Back
1	The RH 749 variety oil quality is best for cooking
2	By growing kitchen garden at their backyard, availability of vegetable remain throughout the year
2	The method of wild opineds normally have built open in field over
3	The problem of wild animals namely blue buil, cow in field crop.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	09	April & Dec., 2022	190	-
2	Farmers Training	12	Jan. to Dec., 2022	240	-
3	Media coverage	07	Jan. to Dec., 2022	Mass	-
4	Training for Ext. functionaries	04	April to Dec., 2022	60	-

### **Performance of Frontline demonstrations**

#### Frontline demonstrations on oilseed crops

	Thematic	te chnol ogy		No. of	Area		Yi	ield (q/ha)		% In crosse	Econon	nics of demo	nstration (l	Rs./ha)		Economics (Rs./	of check ha)	
Crop	Area	demonstrate d	Variety	Farmers	(ha)		Dem	0	Check	in yield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
						High	Low	Average	Check		Cost	Re tu rn	Return	( <b>R</b> / <b>C</b> )	Cost	Return	Re tu rn	( <b>R</b> / <b>C</b> )
Groundnut																		
Sesamum																		
	Variety evaluation	Evaluation of improved variety of Sesamum <i>ie</i> . GJT-5	GJT-5	22	10	9.25	7.9	8.57	7.65	12.03	12550	48937.5	36387.5	1:2.8	12550	39150	26600	1:2
Mustard																		
* Economics	Variety evaluation to be worke	Evaluation of improved variety of Mustard <i>ie</i> . RH-725 d out based total co	RH-725	52 uction per u	20 Init area	and no	bt on cr	Result Awaited itical inputs	alone.	Gotra, Uttar P R5494PHF, MX50 Lat 28.810965° Long 77.294844° 05/11/22 02:27 PM	Pradesh, Ind Rd, Gotra, Uttar 4 GMT +05:30	oPS Map C lia Pradesh 201102, l	ramera India Soogle	Rawy Unnan 25010 Lat 28 Long i 03/12/	an Urf Barag BarZ296° 17,340986° 22 02:58 PM GM	in and the second	GPS Map Camera adesh, India ar Pradesh	
** BCR= GR	ROSS RETU	RN/GROSS COST	, ,															

### Frontline demonstration on pulse crops

	Thomatic	to chnol ogy		No. of	Amoo		Y	rield (q/ha)		% In crosse	Econon	nics of demo	onstration (	Rs./ha)		Economics (Rs./	of check ha)	
Сгор	Area	demonstrate d	Variety	Farmers	(ha)	Hich	Den	no	Check	in yield	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
Blackgram						High	LOW	A ve rage			Cost	Re tu rn	Return	(R/C)	Cost	Return	Return	(R/C)
	Variety evaluation	Evaluation of two improved varieties of Black gram <i>ie</i> . PU-31 & Mukundra urd 2	PU-31 & Mukundra urd 2	50	10	11.55	9.85	10.7	7.95	34.59	19000	45752	26752	1:1.40	18550	37800	19250	1:1.0
	G	Rawan Urt Ba Vinamad Rada, R Lat 28.870918* Long 77.342528* Soylog/22 12:10 PJ	ragoan, Uttar Prade awan Urf Baragoan, Uttar	esh, India Pradesh 250101, India	Goo	Image: second	Badagac V89F+GJM, Lat 28,860 Long 77.323 30/08/22 12	on, Uttar Pradesh, , Badagaon Tyagi Rd, Ba 208° 3848° 2:37 PM	India dagaon, Uttar Prodes	• 093 Map Carwa ah 250101, India		Khekra, V7F3+Cr Lat 28.8° Lory 22/07/22	Uttar Prade 23, Khekra, Ut 73499° 264601° 212:30 PM	B 33Gra sh, India tar Pradesh	250101, India			
	Variety evaluation	Evaluation of improved variety of Black gram <i>ie</i> . Pratap Urd 1	Pratap Urd 1	38	10	11.33	9.78	10.73	8.25	36.8	19000	47250	28250	1:1.48	19000	37800	18800	1:0.9
Fieldpea																		
Ticupea											<u>.</u>							

Variety	Evaluation of	IPFD-12-2	46	20	Result	
evaluation	improved variety				Awaited	
	Field nea <i>ie</i> IPFD-					
	12.2					
	12-2					
						😭 OPS Map Camera
						Rawan Urf Baragoan, Uttar Pradesh, India
						Innamed Road Rawan Lift Barannan Liftar Pradesh     Innamed Road Rawan Lift Barannan Liftar Pradesh
						Doogle         Dong/2019/12         Doogle         Doogle <thdo< td=""></thdo<>
						20/12/22 12:12 PM GMT +00:30

\* 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 &	Thematic	Name of the	No. of	Area		Yield	l (q/ha)		% Change	Ot Parar	her nete rs	Econon	nics of dem	onstration	(Rs./ha)	Eco	onomics of	check (Rs./	ha)
Сгор	Area	te chnol ogy	Farmers	(ha)	Uiah	Demo	A vo rogo	Check	in Yield	Demo	Check	Gross	Gross Potum	Net Potum	BCR	Gross	Gross Potum	Net	BCR
Cereals					Ingn	LOW	Average					COST	Keuin	Newiii	( <b>N</b> /C)	Cust	Keuin	Neum	(NC)
Paddy																			
	Variety evaluation	Evaluation of improved variet y Pusa 1718	09	4	43.75	41.75	42.42	37.50	13.12	-	-	38500	161196	122696	1:4.1	37500	142500	105000	1:3.8
	Insect Pest Control	Evaluation of insecticide Pymetrozin against BPH	10	4	43.75	41.75	42.42	37.50	13.12	-	-	36000	165438	129438	1:4.59	34500	146250	111750	1:4.23
Wheat																			
	Variety evaluation	Evaluation of improved variety DBW 173	12	4	51.50	47.50	49.45	43.75	13.02			62628	129642	67014	1:2.07	60128	118156	58028	1:1.86
Vegetables																			

																			21
	Variety evaluation	Evaluation of improved variet y Pusa Hybrid-2	5	0.4	125	82.5	105.5	90.5	16.5	-	-	71500	263750	192250	1:5.26	71250	226250	155000	1:2.1
Datah																			
Kausi	Variety evaluation	Evaluation of improved variet y Japani White	9	0.9	200	170	184.1	155.5	5.4	-	-	71500	368200	296700	1:4.1	70200	311000	240800	1:3.4
Fodder Crops																			
Sorghum (F)																			
	Variety evaluation	Evaluation of improved variety Sugargrez	12	1	842.18	758.14	810.16	587.75	37.8	-	-	13740	87500	73760	1:6.37	14740	68750	54010	1:4.66
						Google	100 Sankr V66Q+ Lat 28. Long 77 15/09/2	oud, Uttai W44, Sankro 860991° 7.237992° 22 02:53 PM	eter tifer uztier Pradesh, ud, Uttar Prad	GPS Mail India esh 250101	p Camera , India								

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone. \*\* BCR= GROSS RETURN/GROSS COST FLD on Livestock -Nil

FLD on Other enterprises -Nil

FLD on Women Empowerment-Nil

FLD on Farm Implements and Machinery –Nil

#### FLD on Other Enterprise: Kitchen Gardening

Category and	Thematic area	Name of the	No. of	No. of	Yield	l (Kg)	%	Other pa	a ramete rs	Eco	onomics of d	lemonstratio	m		Economics	of check	
Crop		te chnol ogy	Farmer	Units			change in				(Rs./	(ha)			( <b>Rs./</b> h	a)	
		demonstrate d			Demons	Check	yield	Demo	Check	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
$\mathbf{D}$ 1: $\mathbf{Z}$ : 10			20	60	ration	102	400			Cost	Return	Return	$(\mathbf{R/C})$	Cost	Return	Return	( <b>R/C</b> )
Rabi, Zaid &	Nutritional	Cultivation	20	60	540	102	429	Availabilit	Availability	2550	13500	10950	1:5.2	875	1550	16/5	1:2.9
Vagatabla	Tood security	of vegetables						y: 520	: 179 days								
vegetable		around the						uays									
		year															
			Google	Contraction of the second seco	utubpur Viran, L 70+435, Qutubpur V 28.864028° 19 77.237688° 19 77.237688°	lttar Pradesh, Il fran, Uttar Pradesh	OFS May Camera India 250101, India										

FLD on Demonstration details on crop hybrids (Details of Hybrid FLDs implemented during 2022)-Nil;

### III. Training Programme

Thematic area	No. of				P	articipant	S			
	courses		Others			SC/ST		(	Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies	2	38	0	38	2	0	2	40	0	40
Cropping Systems	2	37	0	37	3	0	3	40	0	40
Total	4	75	0	75	5	0	5	80	0	80
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	2	40	0	40	0	0	0	40	0	40
Off-season vegetables										
Nursery raising	1	22	0	22	1	0	1	23	0	23
Total (a)	3	62	0	62	1	0	1	63	0	63
g) Medicinal and Aromatic Plants										
Production and management technology	1	18	2	20	0	0	0	18	2	20
Total (g)	1	18	2	20	0	0	0	18	2	20
GT (a-g)	4	80	2	82	1	0	1	81	2	83
IV Livestock Production and Management										
Disease Management	1	10	5	15	2	3	5	12	8	20
Feed & fodder technology	1	20	0	20	0	0	0	20	0	20
Total	2	30	5	35	2	3	5	32	8	40
V Home Science/Women empowerment										
Household food security by kitchen gardening and										
nutrition gardening	1	0	19	19	0	3	3	0	22	22
Processing and cooking	1	0	17	17	0	3	3	0	20	20
Women and child care	1	0	20	20	0	0	0	0	20	20
Others (Food fortification)	1	0	20	20	0	0	0	0	20	20
Total	4	0	76	76	0	6	6	0	82	82
VI Agril. Engineering										
Installation and maintenance of micro irrigation										
systems	1	16	3	19	1	0	1	17	3	20
Others (PM Krishi Sinchai Yojna)	1	22	0	22	0	0	0	22	0	22
Total	2	38	3	41	1	0	1	39	3	42
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management	1	20	0	20	0	0	0	20	0	20
Bio-control of pests and diseases										
Production of bio control agents and bio										
pesticides										
Others (Seed treatment in sugarcane)	1	15	0	15	1	4	5	16	4	20
Total	2	35	0	35	1	4	5	36	4	40
GRAND TOTAL	18	258	86	344	10	13	23	268	99	367

### Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of				I	Participant	s			
	courses		Others			SC/ST		(	Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management				0			0	0	0	0
Resource Conservation Technologies	1	19	0	19	1	0	1	20	0	20
Cropping Systems	6	111	0	111	13	0	13	124	0	124
Crop Diversification				0			0	0	0	0
Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation	3	62	0	62	3	0	3	65	0	65
Seed production				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Crop Management	1	20	0	20	0	0	0	20	0	20
Soil & water conservatioin	1	23	0	23	1	0	1	24	0	24
Integrated nutrient management	1	19	0	19	2	0	2	21	0	21
Production of organic inputs				0			0	0	0	0

Others (Organia/Natural forming)										- 24
Others (Organic/Natural farming)	3	57	0	57	3	0	3	60	0	60
Total	16	311	0	311	23	0	23	334	0	334
II Horticulture										
a) Vegetable Crops				0			0	0	0	0
Production of low value and high valume crops				0			0	0	0	0
OII-season vegetables	3	70	0	70	2	0	0	0 81	0	<u>0</u> 81
Evotic vegetables	5	19	0	79	2	0	0	0	0	0
Exort potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation	1	20	0	20	0	0	0	20	0	20
Others (pl specify)			-	0	-		0	0	0	0
Total (a)	4	99	0	99	2	0	2	101	0	101
b) Fruits										
Training and Pruning				0			0	0	0	0
Layout and Management of Orchards	1	21	0	21	1	0	1	22	0	22
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old or chards	3	64	0	64	0	0	0	64	0	64
Export potential fruits				0			0	0	0	0
M icro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques				0			0	0	0	0
Others (pl specify)	4	95	0	0	1	0	0	0	0	0
a) Ormamontal Plants	4	05	U	05	1	U	1	00	U	00
C) Official enterna ente				0			0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants	1	12	0	12	8	0	8	20	0	20
Others (pl specify)	1	20	0	20	0	0	0	20	0	20
Total (c)	2	32	0	32	8	0	8	40	0	40
g) Medicinal and Aromatic Plants										
Total (g)										
GT (a-g)	10	216	0	216	11	0	11	227	0	227
IV LIVESTOCK Production and Management	2	16	22	20	2	0	2	10	22	40
Poultry Management	2	10	22	30	Z	0	2	10	22	40
Piggery Management				0			0	0	0	0
i iggery wranagement				0			0	0	0	0
Rabbit Management				0			0 0 0	0 0 0	0 0 0	0 0 0
Rabbit Management Animal Nutrition Management				0 0 0 0			0 0 0 0	0 0 0	0 0 0	0 0 0 0
Rabbit M anagement         Animal Nutrition M anagement         Disease M anagement	4	54	25	0 0 0 79	1	0	0 0 0 0 1	0 0 0 0 55	$ \begin{array}{r} 0\\0\\0\\0\\25\end{array} $	0 0 0 0 80
Rabbit M anagement         Animal Nutrition M anagement         Disease M anagement         Feed & fodder technology	4	54	25	0 0 0 79 0	1	0	0 0 0 1 0	$     \begin{array}{r}       0 \\       0 \\       0 \\       55 \\       0     \end{array} $	0 0 0 25 0	0 0 0 0 80 0
Rabbit Management         Animal Nutrition Management         Disease Management         Feed & fodder technology         Production of quality animal products	4	54	25	$ \begin{array}{c} 0\\ 0\\ 0\\ 79\\ 0\\ 0\\ 0 \end{array} $	1	0	0 0 0 1 0 0	0 0 0 55 0 0	0 0 0 25 0 0	0 0 0 80 0 0
Rabbit Management         Animal Nutrition Management         Disease Management         Feed & fodder technology         Production of quality animal products         Others (pl specify)	4	54	25	$     \begin{array}{r}       0 \\       0 \\       0 \\       79 \\       0 \\    $	1	0	0 0 0 1 0 0 0 0	0 0 0 55 0 0 0	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	0 0 0 80 0 0 0
Rabbit Management         Animal Nutrition Management         Disease Management         Feed & fodder technology         Production of quality animal products         Others (pl specify)         Total	4	54 70	25	0 0 79 0 0 0 0 0 117	1	0	$     \begin{array}{r}       0 \\       0 \\       0 \\       0 \\       1 \\       0 \\       0 \\       0 \\       0 \\       3 \\       \end{array} $	0 0 55 0 0 0 73	0 0 0 25 0 0 0 47	0 0 0 80 0 0 0 120
Rabbit Management         Animal Nutrition Management         Disease Management         Feed & fodder technology         Production of quality animal products         Others (pl specify)         Total         V Home Science/Women empowerment	4 6	54 70	25 47	0 0 0 79 0 0 0 0 117	1 3	0	0 0 0 1 0 0 0 3	0 0 55 0 0 73	0 0 25 0 0 0 47	0 0 0 80 0 0 0 120
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	4 6	54 70	25 47	0 0 0 79 0 0 0 117	1 3	0 0 0	0 0 0 1 0 0 0 3	0 0 55 0 0 73	0 0 25 0 0 47	0 0 0 80 0 0 0 120
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         Draim end dwolonment of law/minimum cost	4 6 1	54 70 0	25 25 47 23	0 0 0 79 0 0 0 117 23	1 3 0	0 0 0	0 0 0 1 0 0 0 3 0 0	0 0 0 55 0 0 0 73 0 0	0 0 25 0 0 0 47 23	0 0 0 80 0 0 0 120 23
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 diat	4 6 1	54 70 0	25 25 47 23 22	0 0 0 79 0 0 0 0 117 23 22	1 3 0	0 0 0	0 0 0 1 0 0 0 3 3	0 0 0 55 0 0 73 0 0 73	0 0 0 25 0 0 0 0 47 23	0 0 0 80 0 0 0 120 23 23
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	4 6 1 1	54 70 0 0	25 47 23 22	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ \end{array} $	1 3 0 0	0 0 0 0	0 0 0 1 0 0 0 3 3 0 0	0 0 0 55 0 0 0 73 0 0 0 0	0 0 0 25 0 0 0 0 47 23 22	0 0 0 80 0 0 0 120 23 22
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	4 6 1 1 2	54 70 0 0	25 47 23 22 42	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ \end{array} $	1 3 0 0 0	0 0 0 0	0 0 0 0 1 0 0 0 3 0 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 73 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	0 0 0 25 0 0 0 0 47 23 22 43	0 0 0 80 0 0 0 120 23 22 22 43
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	4 6 1 1 2	54 70 0 0 0	25 47 23 22 42	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ \end{array} $	1 3 0 0 0	0 0 0 0 1	0 0 0 0 1 0 0 0 3 3 0 0 0 0 1 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 73 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 0 \\ 47 \\ 23 \\ 22 \\ 43 \\ 0 \\ \end{array} $	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline 23 \\ 22 \\ 43 \\ 0 \\ \hline \end{array} $
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	4 6 1 1 2 1	54 70 0 0 0 0	25 47 23 22 42 21	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ \end{array} $	1 3 0 0 0 0	0 0 0 0 1 0	0 0 0 0 0 0 0 3 3 0 0 0 0 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 0 \\ 47 \\ 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ \end{array} $	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ \end{array} $
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	4 6 1 1 2 1 1	54 70 0 0 0 0 0 0	25 47 23 22 42 21 14	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ \end{array} $		0 0 0 0 1 1 0 6	0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 73 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 0 \\ 47 \\ 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ \end{array} $	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ \end{array} $
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	4 6 1 1 2 1 1 1 1 1 1	54 70 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \end{array}$	3 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 6 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{r} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 0 \\ 47 \\ 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ 20 \\ \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ 20 \\ \hline 20 \\ \hline \end{array} $
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	4 6 1 1 2 2 1 1 1 1 1 1	54 70 0 0 0 0 0 0 0 0 0 0	25 25 47 23 22 42 21 14 20	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 0 \end{array}$	1 3 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 1 0 6 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 73 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 47 \\ 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ 20 \\ 0 \\ 0 \end{array} $	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ 20 \\ 0 \\ 0 \end{array} $
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	4 6 1 1 2 1 1 1 1 1 1 1	54 70 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \end{array}$	1 3 0 0 0 0 0 0 0 0	0 0 0 0 1 0 6 0	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$ \begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 0\\ 0\\ 0\\ 25\\ 0\\ 0\\ 0\\ 47\\ \hline \\ 23\\ \hline \\ 22\\ \hline \\ 43\\ 0\\ 21\\ 20\\ 20\\ 0\\ 0\\ 0\\ 0\\ \end{array}$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline 23 \\ 22 \\ \hline 23 \\ 22 \\ \hline 23 \\ 22 \\ \hline 20 \\ 20 \\ 0 \\ 0 \\ 0 \\ \hline 0 \\ 0 \\ \hline \end{array}$
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	4 6 1 1 2 1 1 1 1 1 1 1 1 1 1	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20 19	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 0 \\ 19 \\ \end{array}$	1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 6 0 0	0 0 0 0 0 0 0 3 3 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 0 \\ 73 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 0 \\ 0 \\ 47 \\ 23 \\ 22 \\ 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ 20 \\ 0 \\ 0 \\ 20 \\ 20 \end{array}$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline \\ 23 \\ 22 \\ \hline \\ 23 \\ 22 \\ \hline \\ 23 \\ 22 \\ \hline \\ 20 \\ 20 \\ \hline \\ 0 \\ 0 \\ 20 \\ \hline \end{array}$
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	4 6 1 1 2 1 1 1 1 1 1 1 1 1 1 1	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20 19 20	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ \hline 117 \\ 23 \\ 22 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 19 \\ 20 \\ 0 \\ 19 \\ 20 \\ \hline \end{array}$	1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 6 0 0 1 0 1 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 0 \\ 73 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 25\\ 0\\ 0\\ 0\\ 47\\ \hline \\ 23\\ 22\\ \hline \\ 43\\ 0\\ 21\\ 20\\ 20\\ 0\\ 0\\ 0\\ 20\\ 20\\ 20\\ 20\\ 20\\ 2$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline \\ 23 \\ 22 \\ 23 \\ 22 \\ 23 \\ 22 \\ 20 \\ 20$
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	4 6 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 3 3	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 47 23 22 42 21 14 20 19 20 58	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 19 \\ 20 \\ 58 \\ 58 \end{array}$		0 0 0 0 1 0 6 0 0 1 0 6 0 0	0 0 0 0 0 0 3 3 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 55 \\ 0 \\ 0 \\ 0 \\ 73 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 25\\ 0\\ 0\\ 0\\ 47\\ \hline \\ 23\\ 22\\ \hline \\ 43\\ 0\\ 21\\ 20\\ 20\\ 0\\ 0\\ 0\\ 0\\ 20\\ 20\\ 0\\ 0\\ 0\\ 0\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline \\ 23 \\ 22 \\ 23 \\ 22 \\ 23 \\ 22 \\ 23 \\ 22 \\ 20 \\ 0 \\ 0 \\ 20 \\ 2$
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)	4 6 1 1 1 2 1 1 1 1 1 1 1 3 1 1 2	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20 58 16 25	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 114 \\ 20 \\ 0 \\ 19 \\ 20 \\ 58 \\ 16 \\ 58 \\ 16 \\ 255 \end{array}$		0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 3 3 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 55 0 0 73 73 0 73 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 25\\ 0\\ 0\\ 0\\ 47\\ \hline \\ 23\\ 22\\ \hline \\ 43\\ 0\\ 21\\ 20\\ 20\\ 0\\ 0\\ 20\\ 20\\ 60\\ 60\\ 21\\ 275\\ \hline \end{array}$	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 120 \\ \hline \\ 23 \\ 22 \\ 23 \\ 22 \\ 43 \\ 0 \\ 21 \\ 20 \\ 20 \\ 0 \\ 0 \\ 20 \\ 20 \\ $
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)         Total	4 6 1 1 2 2 1 1 1 1 1 1 1 1 1 3 1 1 3 1 1 3	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20 19 20 58 16 255	$\begin{array}{c} 0\\ 0\\ 0\\ 0\\ 0\\ 79\\ 0\\ 0\\ 0\\ 117\\ 123\\ 22\\ 42\\ 0\\ 21\\ 14\\ 20\\ 0\\ 21\\ 14\\ 20\\ 0\\ 19\\ 20\\ 58\\ 16\\ 255\\ \end{array}$	1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 1 0 6 0 0 1 0 6 0 0 1 1 0 2 5 15	0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 55 0 0 73 73 0 73 0 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 25 \\ 0 \\ 0 \\ 0 \\ 47 \\ \hline 23 \\ 22 \\ \hline 43 \\ 0 \\ 21 \\ 20 \\ 20 \\ 0 \\ 0 \\ 20 \\ 20 \\ $	0 0 0 80 0 0 120 120 23 23 22 23 22 23 22 23 22 23 22 20 0 0 0
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)         Total         VI Agril. Engineering         Earm Machinary and its maintenance	4 6 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 3 1 1 1 3	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20 19 20 58 16 255 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 19 \\ 20 \\ 58 \\ 16 \\ 255 \\ 20 \\ \end{array}$	1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 55 0 0 73 73 0 73 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 25 0 0 47 23 22 43 0 21 20 20 0 0 20 20 60 21 270 0	0 0 0 80 0 0 0 120 23 23 22 23 22 43 0 21 20 20 0 0 0 20 20 60 21 270 20
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)         Total         VI Agril. Engineering         Farm Machinary and its maintenance         Installation and maintenance of micro irrigation	4 6 1 1 2 2 1 1 1 1 1 1 1 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20 58 16 255 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 0 \\ 19 \\ 20 \\ 58 \\ 16 \\ 255 \\ 20 \\ \end{array}$	1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 6 0 0 1 0 6 0 0 1 1 0 2 5 5 15	0 0 0 0 0 0 0 3 3 0 0 0 0 0 0 0 0 0 0 0	0 0 0 55 0 0 73 73 0 73 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 25 0 0 47 23 22 43 0 21 20 20 0 0 20 20 60 21 270 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 80 0 0 0 23 23 22 23 22 23 22 23 22 23 22 20 0 0 0
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)         Total         VI Agril. Engineering         Farm M achinary and its maintenance         Installation and maintenance of micro irrigation systems	4 6 1 1 2 1 1 1 1 1 1 1 1 1 3 1 1 1 3 1 1 1 3	54 70 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 47 23 22 42 21 14 20 58 16 255 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 79 \\ 0 \\ 0 \\ 117 \\ 23 \\ 22 \\ 42 \\ 0 \\ 21 \\ 14 \\ 20 \\ 0 \\ 19 \\ 20 \\ 58 \\ 16 \\ 255 \\ \hline 20 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 $	1 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0 1 0 0 2 5 15 0	0 0 0 0 0 0 0 3 3 0 0 0 0 0 0 0 0 0 0 0	$\begin{array}{c} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 73 \\ \hline 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	0 0 0 25 0 0 0 47 23 22 43 0 21 20 20 20 0 0 20 20 60 21 270 0 0 0	0 0 0 80 0 0 0 23 23 22 23 22 23 23 22 23 23 22 20 0 0 0

										25
Production of small tools and implements		1		0			0	0	0	0
Repair and maintenance of farm machinery and										
implements	2	45	0	45	0	0	0	45	0	45
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	3	65	0	65	0	0	0	65	0	65
VII Plant Protection										
Integrated Pest Management				0			0	0	0	0
Integrated Disease Management	2	23	13	36	1	3	4	24	16	40
Bio-control of pests and diseases	3	62	0	62	1	0	1	63	0	63
Production of bio control agents and bio										
pesticides				0			0	0	0	0
Others (pl specify)	1	20	0	20	0	0	0	20	0	20
Total	6	105	13	118	2	3	5	107	16	123
GRAND TOTAL	54	767	315	1082	39	18	57	806	333	1139

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

Thematic area	No. of	o. of Participants								
	courses		Others			SC/ST		(	Frand Tota	ıl
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	3	57	0	57	3	0	3	60	0	60
Cropping Systems	8	148	0	148	16	0	16	164	0	164
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/irrigation	3	62	0	62	3	0	3	65	0	65
Seed production	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	1	20	0	20	0	0	0	20	0	20
Soil & water conservatioin	1	23	0	23	1	0	1	24	0	24
Integrated nutrient management	1	19	0	19	2	0	2	21	0	21
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others (Organic/Natural farming)	3	57	0	57	3	0	3	60	0	60
Total	20	386	0	386	28	0	28	414	0	414
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	2	40	0	40	0	0	0	40	0	40
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	4	101	0	101	3	0	3	104	0	104
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	1	20	0	20	0	0	0	20	0	20
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (a)	7	161	0	161	3	0	3	164	0	164
b) Fruits										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	1	21	0	21	1	0	1	22	0	22
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old or chards	3	64	0	64	0	0	0	64	0	64
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (b)	4	85	0	85	1	0	1	86	0	86
c) Ornamental Plants										
Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	1	12	0	12	8	0	8	20	0	20
Others (pl specify)	1	20	0	20	0	0	0	20	0	20
Total ( c)	2	32	0	32	8	0	8	40	0	40
g) Medicinal and Aromatic Plants										

										26
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	1	18	2	20	0	0	0	18	2	20
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total (g)	1	18	2	20	0	0	0	18	2	20
GT (a-g)	14	296	2	298	12	0	12	308	2	310
IV Livestock Production and Management										
Dairy Management	2	16	22	38	2	0	2	18	22	40
Poultry Management	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0
Disease M anagement	5	64	30	94	3	3	6	67	33	100
Feed & fodder technology	1	20	0	20	0	0	0	20	0	20
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	8	100	52	152	5	3	8	105	55	160
V Home Science/Women empowerment										
Household food security by kitchen gardening and										
nutrition gardening	2	0	42	42	0	3	3	0	45	45
Design and development of low/minimum cost										
diet	1	0	22	22	0	0	0	0	22	22
Designing and development for high nutrient				10			_	0		10
efficiency diet	2	0	42	42	0	1	1	0	43	43
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Processing and cooking	2	0	38	38	0	3	3	0	41	41
Gender mainstreaming through SHGs	1	0	14	14	0	6	6	0	20	20
Storage loss minimization techniques	1	0	20	20	0	0	0	0	20	20
Value addition	0	0	0	0	0	0	0	0	0	0
Women empowerment	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	1	0	19	19	0	1	1	0	20	20
Rural Crafts	1	0	20	20	0	0	0	0	20	20
women and child care	4	0	/8	/8	0	2	2	0	80	80
Others (pl specify)	2	0	36	36	0	5	3	0	41	41
	17	U	331	331	U	21	21	0	352	352
VI Agril. Engineering	1	20	0	20	0	0	0	20	0	20
Farm Machinary and its maintenance	1	20	0	20	0	0	0	20	0	20
Installation and maintenance of micro irrigation	1	16	2	10	1	0	1	17	2	20
Use of Plastics in ferming practices	1	10		19	1	0	1	17	0	20
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and	0	0	0	0	0	0	0	0	0	0
implements	2	45	0	45	0	0	0	45	0	45
Small scale processing and value addition	0		0		0	0	0		0	
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others (nl specify)	1	22	0	22	0	0	0	22	0	22
Total	5	103	3	106	1	0	1	104	3	107
VII Plant Protection		105	5	100	1	0	1	104	5	107
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	3	43	13	56	1	3	4	44	16	60
Bio-control of pests and diseases	3	62	0	62	1	0	1	63	0	63
Production of bio control agents and bio	5		5	-0	-	5				
pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	2	35	0	35	1	4	5	36	4	40
Total	8	140	13	153	3	7	10	143	20	163
GRAND TOTAL	72	1025	401	1426	49	31	80	1074	432	1506

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

		No. of Participants								
Area of training	No. of	(	General			SC/ST		Grand Total		
Area of training	Courses	Male	Female	Tota l	Male	Female	Total	Male	Female	Total
Nursery Management of	1	13	0	13	0	0	0	13	0	13
Horticulture crops										
Vermi-culture	1	10	0	10	0	0	0	10	0	10
Mushroom Production	1	6	5	11	0	0	0	6	5	11
Bee-keeping										
Sericulture										
Repair and maintenance of farm	1	12	0	12	0	0	0	12	0	12
Value addition	1	0	10	10	0	0	0	0	10	10
Rural Crafts	1	0	9	9	0	1	1	0	10	10
Any other (Natural farming)	1	9	0	9	1	0	1	10	0	10
TOTAL	7	50	24	74	1	1	2	51	25	76

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

		No. of Participants									
Area of training	No. of		General			SC/ST		(	Grand Total		
Area or training	Courses	Male	Femal e	Total	Male	Femal e Total		Male	Femal e	Total	
Nursery Management of	1	13	0	13	0	0	0	13	0	13	
Horticulture crops											
Vermi-culture	1	10	0	10	0	0	0	10	0	10	
Mushroom Production	1	6	5	11	0	0	0	6	5	11	
Bee-keeping											
Sericulture											
Repair and maintenance of	1	12	0	12	0	0	0	12	0	12	
farm machinery and											
implements											
Value addition	1	0	10	10	0	0	0	0	10	10	
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts	1	0	9	9	0	1	1	0	10	10	
Any other (Natural farming)	1	9	0	9	1	0	1	10	0	10	
TOTAL	7	50	24	74	1	1	2	51	25	76	

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

	No. of		No. of Participants								
Area of training	Courses	Courses General				SC/ST		(	Grand Total           Male         Female         To           15         0         1           15         0         1           15         0         1           0         15         1           0         15         1		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
Productivity enhancement in field crops	1	10	0	10	5	0	5	15	0	15	
Integrated Pest M anagement											
Integrated Nutrient management											
Rejuvenation of old orchards	1	12	0	12	3	0	3	15	0	15	
Women and Child care	1	0	13	13	0	2	2	0	15	15	
Low cost and nutrient efficient diet designing	1	0	11	11	0	4	4	0	15	15	
M anagement in farm animals	2	27	0	27	3	0	3	30	0	30	
TOTAL	6	49	24	73	11	6	17	60	30	90	

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

Area of training	No. of							N	o. of Parti	ci pants
Are a of training	Courses		(	Jeneral			SC/ST		Gran	d Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest M anagement	2	23	3	26	4	0	4	27	3	30
Care and maintenance of farm machinery and implements	2	21	0	29	1	0	1	30	0	30
Women and Child care	1	0	14	14	0	1	1	0	15	15
Any other (Food fortification)	1	0	13	13	0	3	3	0	16	16
TOTAL	6	44	30	74	5	4	9	49	34	83

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

Are a of training	No. of				No.	of Partici <sub>l</sub>	oants			
Are a of training	Courses		General			SC/ST		(	Grand Tota	վ
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	10	0	10	5	0	5	15	0	15
Integrated Pest Management	2	23	3	26	4	0	4	27	3	30
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old or chards	1	12	0	12	3	0	3	15	0	15
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	2	21	0	21	1	0	1	22	0	22
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	2	0	27	27	0	3	3	0	30	30
Low cost and nutrient efficient diet designing	1	0	11	11	0	4	4	0	15	15
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
M anagement in farm animals	2	27	0	27	3	0	3	30	0	30
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0
Any other (Food fortification)	1	0	13	13	0	3	3	0	16	16
TOTAL	12	93	54	147	16	10	26	109	64	173

### Table. Sponsored training programmes-Nil

### Name of sponsoring agencies involved-Nil

### **IV. Extension Programmes**

			No. of	TOTAL
Activities	No. of programmes	No. of farmers	Extension	
	• •		Personnel	
Advisory Services	162	1863	36	1899
Diagnostic visits	32	64	0	64
Field Day	2	40	0	40
Group discussions	5	683	12	695
Kisan Ghosthi	15	1310	35	1345
Film Show	13	-	-	0
Self -help groups	15	170		170
Kisan Mela	8	2845	61	2906
Exhibition	-	-	-	0
Scientists' visit to farmers field	37	59		59
Plant/animal health camps	1	63	21	84
Farm Science Club	-	-	-	0
Ex-trainees Sammelan	-	-	-	0
Farmers' seminar/workshop	1	342	-	342
Method Demonstrations	11	62	9	71
Celebration of important days	5	259	-	259
Special day celebration	10	660	-	660
Exposure visits	-	-	-	0
Others (pl. specify)	684	1991	129	2120
Total	1001	10411	303	10714

#### Details of other extension programmes

Particul ars	Number
Electronic Media (CD./DVD)	
Extension Literature	08
News paper coverage	129
Popular articles	01
Radio Talks	
TVTalks	05
Animal health amps (Number of animals treated)	01
Others (pl. specify)	
Total	144

		Type of Messages								
Name of KVK	Message Type	Сгор	Livestoc k	Weather	Marke- ting	A ware -ness	Other enterpris e	Total		
	Text only	210	-	103	-	26	-	339		
	Voice only	-	-	-	-	-	-	-		
	Voice & Text both	-	-	-	-	-	-	-		
	Total Messages	210	-	103	-	26	-	339		
	Total farmers Benefitted	6196	-	2126	-	1547	-	9842		

### V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS-Nil

### VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat	HD 3226	FS 1	219.00	534588.00	Supply to NSC
	Paddy	PB 1718	FS 1	111.00	-	Supply to NSC
Oilseeds	Mustard	Pant Sweta	FS 1	17.9	59984.00	Supply to NSC
Total				347.9	594572.00	

Production of seeds by the KVKs

Production of planting materials by the KVKs-Nil

**Production of Bio-Products-Nil** 

Table: Production of livestock materials-Nil

### VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of S amples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	279	279	21	7190
Total	279	279	21	7190

### VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Baghpat	01	23.11.2022

### IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution

### X. PUBLICATIONS

Category	Number
Books	
Technical bulletins	
Research Paper	02
Lead Papers	
Book Chapters	01
Popular Articles	01
Newsletters	
Technical reports	15
Others (Folder)	5

### XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted							
No. of Training programmes No. of Demonstration s No. of plant materials produced Visit by farmers Visit by official							
2 5 0 35 4							

### XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties-Nil Major area coverage under alternate crops/varieties-Nil Farmers-scientists interaction on livestock management-Nil

Animal health camps organised

Number of camps	No.of animals	No.of farmers
01	257	63
Total	257	63

Seed distribution in drought hit states

Crops	Quantity (qtl)	Cove rage of are a (ha)	Number of farmers
Mustard	40 Kg	10	23
Total	40 Kg	10	23

### XIII. DETAILS ON HRD ACTIVITIES

#### A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
SVPUAT, Meerut	Orientation Training Program	02	76	20
Total		02	76	20

#### B. HRD activities organized in identified areas for KVK staff by Zonal Project Directorate -Nil

### **XIV. CASE STUDIES**

#### Name of the KVK-Baghpat

#### TITLE- improved variety seed & technology for organic Jaggery etc.

#### Introduction -

**Baghpat Plan, Implement and Support :** KVK Baghpat supported Sh. Vijay Singh from Sunhera giving him sound knowledge of new technology used in organic farming. KVK Baghpat Scientist tries to make them aware regarding scientific cultivation of organic sugarcane. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of bio fertilizer with high yielding varieties.

#### Impact:-

The farmer used faced problems like wild animals, seed, marketing etc. With interventions like improved variety seed & technology with scale of organic Jaggery etc., he is getting gross annual income of Rs 175000.00 before KVK interventions after using Improved variety he is now getting gross income per year of Rs 398465.00

**KVK intervention** - Mr. Vijay Singh from Sunhera adopted suggestion of KVK's scientist for his 3.5 acre land. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded.

#### Output

Before intervention farmer net income was 124810.00 and after intervention it increased and become 318465.00.

**Outcome-** Mr. Vijay Singh is very happy with this improved production and management technology and set forth example for other farmers of the district.

### Impact

Mr. Vijay Singh is becoming one of the progressive and learned farmers for others with regards to popularization of Organic Sugarcane crop with intercropping. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development.



farmers with KVK's scientist



Sugarcane Crop Improved variety

#### XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE

#### A. Details on ATICs

S. No	Name of the ATIC	Name of the Host Institute	Name of the ATIC Manager
1	Natural farming	SVPUA&T, Meerut	Dr. Sandeep Chaudhary

#### B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	847
02	Technology Products	175
03	Others if any pl. specify	

### C. Facilities in the ATIC which are in operation

S. No	Particulars	Availability (Please $$ mark)	Number of ATICs
01	Reception counter	$\checkmark$	01
02	Exhibition / technology museum		
03	Touch screen Kiosk		
04	Cafeteria		
05	Sales counter		
06	Farmer's feedback register	$\checkmark$	
07	Others if any (please specify)		

### D. Technology information provided

### D.1. Details on technology information

S.	Information	Number	Total			Cat	egory of in	nformation	1	
No	category	of ATICs	number of farmers							
			benefitted	Varieti es / hybrid s	Pest manage ment	Disease manageme nt	Agro- techni ques	Soil and water conser vation	Post Harvest technology and Value addition	Animal Husbandry and fisheries
01	Kisan Call Centre / other Phone calls from farmers		9110	Yes	Yes	Yes	Yes	Yes	Yes	Yes
02	Video shows		06							
03	Letters received		05							
04	Letters replied		05							
05	Training to farmers / technocrats / students		21	02	02	02	01	07	03	04

#### D.2. Publications (Print & Electronic media)-Nil

### E. Technology Products provided -Nil

#### F. Technology services provided-Nil

#### XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

### **States covered:**

### Number of Directorates of Extension:

### A. Details on Directors of Extension

S. No	Name of the SAU	Name of the Director of Extension	Number of KVKs for which technological backstopping is provided						
			SAU/CAU	DU	ICAR	NGO	SDA	Others (pl. specify)	
1									

#### B. Workshops / meetings organized-Nil

### C. Visits made by DE / Officials in the Directorate to KVKs

S. No.	Particulars	Number of visits
01	SAC meetings	01
02	Field days	02
03	Workshops / seminars	
04	Technology week	
05	Training programmes	01
06	Others pl. specify	

#### D. Overseeing of KVKs activities\_Nil

E. Publication on Technology inventory -Nil

F. Technological Products provided to KVKs-Nil

### **XVI** Achievement of Special programmes

- 1) Achievement of skill development training funded by DAC&FW-Nil
  - 2) Achievements under Crop Residue Management (CRM) Project by KVKs-Nil
  - 3) Achievement of TSP (Tribal Sub Plan)-Nil
  - 4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas) -Nil
  - 5) Achievements of SCSP KVKs-Nil
  - 6) Achievement under IFS KVKs-Nil
  - 7) Achievements under Mera Gaon Mera Gaurav (MGMG) project-Nil
  - 8) Achievements of Farmers FIRST programme -Nil
  - 9) Activities performed under NARI programme

Table-9.1: Details of activities performed under NARI programme

Nutritional Garden		Bio-fortified crops		Value addition		Training programmes		Extension activities	
No of Establishe d	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries	No of activity	No. of farmers/ beneficiaries
30	10	04	378	02	50	09	291	04	450

Category	Bio Fortified Crop	Variety	Area (ha)	No of Beneficiaries
Cereal	Maize	-	-	-
	Rice	-	-	-
	Wheat	-	-	-
		-	-	-
Millet	Finger millet	-	-	-
	Pearlmillet	-	-	-
	Sorghum	-	-	-
		-	-	-
Oilseed	Groundnut	-	-	-
	Mustard	-	-	-
		-	-	-
Pulses	Lentil	-	-	-
	Lathyras	-	-	-
		-	-	-
Vegetable	Cauliflower	-	-	-
		-	-	-
		-	-	-
Tuber	Sweet Potato	-	-	-
		-	-	-
Total		-	-	-

### Table-9.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

### 10) Achievements of Soil, water, plant and manure samples analyzed by KVKs and soil health cards issued

Sample	No. of Samples in lakh	No. of Farmers in lakh	No. of Villages in	Amount realized	No. of Soil Health Cards issued
			lakh	( <b>Rs. in lakhs</b> )	(lakhs)
Soil	0.00279	0.00279	0.000021	0.0719	
Water					
Plant					
Manure					0.00279
Total	0.00279	0.00279	0.000021	0.0719	0.00279

### 11) Achievements under NICRA Project

NRM		Crop production		Livestock & Fisheries		Capacity Building		Extension Activities			
	Demo	Area (ha)	Demo	Area (ha)	Demo	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers
	6	135	6	162	1	-	257	12	241	4	167

### 12) Achievements under ARYA Project-Nil

### 13) Achievements under Rainwater Harvesting Structures

Sr. No.	Activities	Number
1	Training programmes	16
2	Demonstration	13
3	Plant materials produced	-
4	Visit by farmers	-
5	Visit by officials	02

### 14) Achievements under Pulses Seed Hub programme-Nil

- 15) NEMA (New Extension Methodologies and Approaches) -Nil
- 16) Achievements under CSISA (Cereal System Initiative for South Asia) project-Nil
- 17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations) -Nil

### 18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of	No. of persons
		Programmes	paticipate d
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		
4	Door to door awareness		
5	Awareness campaign	51	832
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing paining slogans		
10	Composting		
11	Other		

19) Achievements under Aspirational District Scheme-Nil

### XVI. Achivements under Natural Farming

Name of KVK	Number of awareness / training	No. of Participants	Number of demonstrations	Number of farmers visited
	programmes organized		organized at farms of KVKs	demonstration plots
Baghpat	4	85	2	85

XVII Awards-Nil

-----XXXXXXX