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

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	71	1155	265	1420
Rural youths	09	118	17	135
Extension functionaries	13	230	30	260
Sponsored Training				
Vocational Training				
Total	93	1503	312	1815

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	30	12.00	75 Kg
Pulses	03	00.50	30 Kg
Cereals	65	26.00	612.6 Kg
Vegetables	18	0.9	8 Kg
Other crops	15	06.00	240 Card
Hybrid crops			
Total			
Livestock & Fisheries	--	--	--
Other enterprises			
Total			
Grand Total			

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	06	24	24
Livestock	--	--	--
Various enterprises	01	04	04
Total			
Technology Refined			
Crops			
Livestock	--	--	--
Various enterprises			
Total			
Grand Total			

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities		
Other extension activities	6287	23476
Total		

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
KVK SHAMLI	Text only	15753	--	--	--	15753	--	15753
	Voice only	1733	--	--	--	1733	--	1733
	Voice & Text both	--	--	--	--	--	--	--
	Total Messages	**17486**	**--**	**--**	**--**	**17486**	**--**	**17486**
	Total farmers Benefitted	**17486**	**--**	**--**	**--**	**17486**	**--**	**17486**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	193.70 q	426140
Planting material (No.)	21500	7575
Bio-Products (kg)	--	--
Livestock Production (No.)	--	--
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	Workshops	08
2	Conferences	05
3	Meetings	35
4	Trainings for KVK officials	09
5	Visits of KVK officials	96
6	Book published	01
7	Training Manual	01
8	Book chapters	01
9	Research papers	02
10	Lead papers	--
11	Seminar papers	--
12	Extension folder	06
13	Proceedings	01
14	Award & recognition	05
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	Telephone		E mail
KRISHI VIGYAN KENDRA, SHAMLI, DISTT. -SHAMLI (U.P.)	Office	FAX	kvkshamli@gmail.com
	9068289571		

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

Address	Telephone		E mail
	Office	FAX	
DIRECTORATE OF EXTENSION **Sardar Vallabhbhai Patel University of Agriculture & Technolog, Meerut.**	0121-2888511	0121-2888505 2888540	deesvpuat2014@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Omkar Singh	9410484705	9410484705	

1.4. Year of sanction: 2018

1.5. Staff Position (as on 31st December, 2022)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST / OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	--	--	--		--	--	--	--	--	--	--
2	Subject Matter Specialist	Dr. Omkar Singh	AD	Horticulture	37400-67000	152300	17.12.2003	Permanent	SC	9410484705	45	dromkarsingh1977@gmail.com
3	Subject Matter Specialist	Dr. Vikas Kumar	AP/ SMS	Plant Breeding	15600-39100	104100	17.11.2004	Permanent	OBC	9411448594	42	dr.vikassvpuat@gmail.com
4	Subject Matter Specialist	Sh. Saqib Parvaze Allaie	SMS	Ag. Engg.	15600-39100	56100	06.07.2022	Permanent	General	9149774325	30	saqibparaze@gmail.com
5	Subject Matter Specialist	Sh. Ajay Kumar	SMS	P.P.	15600-39100	56100	06.07.2022	Permanent	OBC	9799864546	32	Akentoskrau@gamil.com
6	Subject Matter Specialist	Smt. Kamya Singh	SMS	H. Sc.	15600-39100	56100	13.07.2022	Permanent	General	9161727112	32	Kamyarajeev1922@gmail.com
7	Subject Matter	--	--	--	--	--	--	--	--	--	--	--

	Specialist											
8	Programme Assistant	--	--	--	--	--	--	--	--	--	--	--
9	Computer Programmer	--	--	--	--	--	--	--	--	--	--	--
10	Farm Manager	--	--	--	--	--	--	--	--	--	--	--
11	Accountant / Superintendent	--	--	--	--	--	--	--	--	--	--	--
12	Stenographer	Sh. Chandra Shekhar Sharma	Clerk	Clerk	5200-20200	44100	01.07.1998	Permanent	General	9760995757	54	Cshaker570@gmail.com
13	Driver	Sh. Subhash Chand	Driver	Driver	5200-20200	33300	01.03.2008	Permanent	OBC	9719818397	46	kvkshamli@gmail.com
14	Driver	--	--	--	--	--	--	--	--	--	--	--
15	Supporting staff	Sh. Satish Kumar Sharma	Messenger	IV Class	5200-20200	37500	01.07.1998	Permanent	General	7310696779	51	kvkshamli@gmail.com
16	Supporting staff	Smt. Neelam Sharma	Attendant	IV Class	5200-20200	20900	18.03.2017	Permanent	General	9634732578	44	kvkshamli@gmail.com

1.6. Total land with KVK (in ha) : 8.55

S. No.	Item	Area (ha)
1	Under Buildings	0.80
2.	Under Demonstration Units	--
3.	Under Crops	6.00
4.	Orchard/Agro-forestry	--
5.	Others (specify)	1.75

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	March 22		1.34 Crore	April 22		Complete
2.	Farmers Hostel	Nil	--					
3.	Staff Quarters (6)	Nil	--					
4.	Demonstration Units (2)	Nil	--					
5	Fencing	ICAR	31.03.08	1000 mtr.	19.21 Lac	April 08	1000 mtr.	Incomplete
6	Rain Water harvesting system	--	--					
7	Threshing floor	ICAR	31.03.08	300 Sqm.	2.33 Lac	April 08	300 Sqm.	Complete
8	Farm godown	Nil	--					

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep Bolero	2022	743150.00	12501	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
--	--	--	--

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	11.01.22	1. Dr. P.K. Singh, Director Extension 2. Dr K.G. Yadav, Asso. Director 3. Sh. Shiv Kumar Kesari, Dy. Director 4. Dr. Hari Shankar, D.A.O. 5. Dr. Yashvant Singh , C.V.O. 6. Sh. Amit Kumar, P.P.O. 7. Sh. S.K. Lodhi, Asso. Prof. 8. Sh. Rajesh Kumar, Tech. Asstt. 9 Sh. Subodh Kumar, Animal Hus. 10.Sh. Prem Narayan Shukla, S.C.D.I. 11. Sh. Naresh Chand Verma, Horti. 12. Sh. Mange Ram, Sr. Asst. Ag. 13. Sh. Mukesh Kumar, Prog. Farmer 14. Sh. Upendra Kumar, Prog. Farmer 15. Smt. Shakuntla, Prog. Farmer Women 16. Smt. Mani Sharma, Prog. Far.Women 17. Sh. Ram Niwas, Sr. Asstt. Ag. 18. Dr. Satish Kumar, Head KVK and all staff of KVK	1. Technical Demonstrations should be developed at KVK Farm. 2.Training on use and benefits of nano urea. 3.To organize Trainings on C.R.M. 4. Judicious use of Pachlabutrazole in mango crop for regular bearing. 5. Appointment of Scientist for Animal Science at KVK. 6. Demonstration on organic sugarcane farming at KVK farm.	1. Technical Demonstrations on different crops has been organized at KVK Farm and crop cafeteria. 2. Awareness has been created among farmers about nano urea during 05 block level farmers fair with the collaboration of IFFCO. 3. Two farmers training programmes have been organized on C.R.M. 4. Awareness has been created among farmers about the use of Pachlabutrazole through different farmer training programme. 5. Decision pending

				at University level. 6. Demonstration has been established on natural, organic and chemical farming of sugarcane sown in 0.40 ha. at KVK farm.
2.	21.11.22	1. Dr. P.K. Singh, Director Extension 2. Dr. P.K. Singh, Professor Agro. 3. Dr. Hariom Katiyar, Asso. Prof. Horti 4. Sh. Pradeep Kr. Yadav, D.A.O. 5. Dr. Saud Hasan, C.V.O. 6. Sh. Prem Narayan Shukla, S.C.D.I. 7. Sh. Amit Kumar, P.P.O. 8. Sh. Sachin Kumar, Rep. D.H.O. 9. Sh. Satish Kumar, IFFCO 10. Sh. Taraspal Singh Prog. Farmer 11. Smt. Suman Saini, Krishi Sakhi 12. Smt. Shiksha, Prog.Farmer, Women 13. Smt. Shakuntla,Prog Farmer Women 14. Dr. Omkar Singh, OIC KVK and all staff of KVK	1. 100% target of training programme to be achieved in the year. 2. Complete the sale of vegetable seedlings. 3. Training for establishment of Poshan Vatika on Aanganvadi Centre. 4. To create awareness among farmers about millets. 5. Crop residue management in sugarcane through field demonstration. 6. Appointment of Scientist for Animal Science at KVK.	1. Target of training programme has been achieved. 2. Sales of vegetable seedling has been completed. 3. Relevant Training prog. have been Organized. 4. Training prog. and OFT are being conducted to create awareness among farmers. 5. Field demonstration on CRM is being conducted. 6. Decision pending at University level.

Note : This yellow mark may be treated as an example
**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT (31st December, 2022)

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

S. No	Farming system/enterprise
1 2 3 4	➢ S. Cane based + A.H+ Horticulture + Wheat and Paddy ➢ S. Cane based + A.H+ Horticulture + Fodder Crop + Wheat/Mustard & Paddy ➢ S. Cane based + A.H + Vegetable + Floriculture + Mustard ➢ S. Cane based + A.H + Horticulture + Urd/Moong

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

S. No	Agro-climatic Zone	Characteristics
1	AES-1	More than 85% Area, Sandy Loam Soil
2	AES-2	More than 95% irrigated, Loam
3	AES-3	More than 95%, Sandy Loam
4	AES-4	Low Water table area, Loam & Sandy Loam soil
5	AES-4	Low Water table area, Loam & Sandy Loam soil

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Sandy	2 - 0.2 mm,	11567
2.	Sandy Loam	0.2 - 0.02 mm,	56339
3.	Loam	0.02 - 0.002 mm	22323

4.	Clay Loam	>than 0.002 mm	16071

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Sugarcane	61358	62217012	1014.00
2.	Wheat	49142	2027108	41.25
3.	Paddy	8200	325540	39.70
4.	Urd	350	2905	8.30
5.	Lentil	89	614.1	6.90
6.	Gram	60	579	9.65
7.	Pea	170	2136.9	12.57
8.	Mustard	951	9376.86	9.86
9.	Potato	96	22080	230.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
--	--	--	--	--

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

Category	Population	Production	Productivity
Cattle			
Crossbred			
Indigenous			
Buffalo	304719		5.90
Sheep			
Crossbred	3882		
Indigenous			
Goats	28049		0.780
Pigs			
Crossbred	10171		40-50 Kg. per pig
Indigenous			
Rabbits			
Poultry			
Hens	350000		90%
Desi			
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (31st December, 2022)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Shamli	Kairana	Titoili	Sugarcane	Low yield due to imbalance fertilizer	Balance use of fertilizer
				Wheat	Low yield due to high infestation of weeds	Weed management

				Mustard	Poor yield due to aphid infestation	Insect mgt.
				Mango	Poor yield due to no use of micronutrients	Fertilizer management
2.	Shamli	Shamli	Jalalpur	Sugarcane	High infestation of insect & disease	Insect & disease mgt. through IPM
				Wheat	Low yield due to high infestation of weeds	Weed management
				Vegetables	Imbalance fertilizer application, Infestation of pest	Introduction of IPNM IPM
3.	Shamli	Kairana	Malendi	Sugarcane	Poor yield due to no use of organic matter	Promoting of organic manure
				Wheat	Low yield due to imbalance use of fertilizer	IPNM in Wheat
				Merigold	Use of local seed High infestation of disease	Introduction of HYV Disease mgt.
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
				Fodder Crops	Local4. Variety	Introduction of HYV
4.	Kairana	Kairana	Naglarai	Sugarcane	Low yield of Sugarcane	Introduction of HYV Balance fertilizer application IPNM & IPM
				Mango	Low yield of Mango	IPNM & IPM Rejuvenation of old orchard Introduction of regular bear variety
				Wheat	Low yield	Water management IPM,Weed mgt. Introduction of HYV
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM
5.	Shamli	Shamli	Jasala	Sugarcane	Low yield of Sugarcane	Introduction of HYV Balance fertilizer application IPNM & IPM
				Mango	Low yield of Mango	IPNM & IPM Rejuvenation of old orchard Introduction of regular bear variety
				Wheat	Low yield	Water management IPM Weed mgt. Introduction of HYV
				Fodder Crops	Local Variety	Introduction of HYV
6.	Shamli	Shamli	Silawar	Sugarcane	Low yield of Sugarcane	Introduction of HYV Balance fertilizer application IPNM & IPM

				Mango	Low yield of Mango	IPNM & IPM Rejuvenation of old orchard Introduction of regular bear variety
				Wheat	Low yield	Water management IPM,Weed mgt. Introduction of HYV
				Vegetables	Local variety, Imbalance fertilizer application, Infestation of pest	Introduction of HYV IPNM IPM

2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Sugarcane	Varietal replacement, IPNM, Weed management, IPM, IDM, Seed production
Wheat	Varietal replacement, INM, Weed management, IPM, IDM, Seed production, Foliar application of Micronutrients
Rice	Varietal replacement, IPNM, Weed management, Hybrid rice, IPM, IDM, Seed production
Mango	IPNM & IPM, Rejuvenation of old orchard, Introduction of regular bear variety
Vegetables	Varietal replacement, IPNM & IPM
Oilseeds & Pulses crop	Varietal replacement, Sulphur, Zinc application & IPM
Animals	Endo & Ecto parasite control, improving fertility, Repeat breeding.
Home Science	Value addition, Nutrition and Women empowerment
Ag. Engg.	Mechanization, Resource conservation and residue management

1. Promoting varietal and seed replacement in different crops.
2. Maintenance of soil productivity through soil test based nutrient management.
3. Promoting intercropping modules with Sugarcane
4. Popularizing Bio- pesticides for management of insect pests
5. Promoting quality floriculture as diversification enterprise for extra income generation.
6. Promoting quality vegetable nursery
7. Mineral mixture supplementation among animals for improving fertility
8. Promoting Group Approach of Extension through Women SHGs and Vallabh Krishak Clubs.
9. Promotion of value addition and healthy nutrition among farm/village women and children along with women empowerment
10. Promotion of mechanical measures and improved implements among farm workers for higher productivity and lower costs.

2.9 Intervention/ Programmes for the doubling the farmers income –(Jan 2022-Dec. 2022) **Demonstrations**

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent Yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Intercropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Relay Cropping System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Relay Cropping System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mixed Farming System(Kharif-Rabi-Zaid)-Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
Mixed Farming System(Kharif-Rabi-Zaid) -Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Before Interventions	**Main crop Yield(q/ha)**	**Inter crop Yield(q/ha)**	**Equivalent yield(q/ha)**	**Cost of cultivation(Rs/ha)***	**Net income(Rs/ha)**	**B.C: Ratio**	**Remark if any**
IFS System(Kharif-Rabi-Zaid) - Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

After Interventions	Main crop Yield(q/ha)	Inter crop Yield(q/ha)	Equivalent yield(q/ha)	Cost of cultivation(Rs/ha)*	Net income(Rs/ha)	B.C: Ratio	Remark if any
IFS System(Kharif-Rabi-Zaid) - Livestock etc.							

Discussion: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

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			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	12	24	45	50	53.75	200	113

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	70	71		1420	200	317	4000	14825
Rural youth	10	09		135				
Extn. Functionaries	20	20		435				
	100	100	2000	2010				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200 Qtl.	193.70 Qtl.	Supply to N.S.C.	20000	20000	713

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology refined	No. of trials	No. of farmers
Integrated Nutrient Management	Wheat	Micronutrient	08	08
	Wheat	Micronutrient	03	03
Varietal Evaluation	Wheat	WB-02	06	06
	Wheat	WB-02	03	03
	Marigold	Pusa Arpita	03	03
	Marigold	Pusa Arpita	03	03
	Cauliflower	Pusa Snowball KT-25	03	03
Integrated Pest Management	Sugarcane	Coperoxychloride50% WP	03	03
	Mustard	*Thiomethoxam 25 WG*	03	03
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				

Weed Management	Paddy	Pretilacklor	03	03
Resource Conservation Technology				
Farm Machineries	Wheat	Laser Land Leveller	03	03
Integrated Farming System				
Seed / Plant production				
Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify) Women and child care	Multigrain Flour	Multigrain Flour	04	04
Total				

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total				

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers

Note: Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with 50*5 = 250 trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

I.B. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops by KVKs

Thematic areas	Crop	Name of the technology refined	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify) Women and child care				
Total				

Summary of technologies refined under various livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials	No. of farmers
Disease Management				
Evaluation of Breeds				
Feed and Fodder management				
Nutrition Management				
Production and Management				
Others (Pl. specify)				
Total				

Summary of technologies refined under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers

Note: Suppose **IPM in paddy** is the technology refined by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with 50*5 = 250 trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

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)

VARIETAL EVALUATION

Problem definition: *Low productivity and low nutritional value of Wheat crop (Rabi 2021-22)*

Technology Assessed or Refined (as the case may be) : *Biofortified wheat*

Table Performance of WB-02 variety

Technology Option	*No.of trials*	*Yield (t/ha)*	*Net Returns (Rs. in lakh./ha)*
Farmer Practice – use of HD 2967 variety	*06*	*0.49*	*0.976*
Use of WB 02 Variety		*0.54*	*1.074*

Problem definition: Low productivity *and low nutritional value* ***of Wheat crop (Rabi 2022-23)***

Technology Assessed or Refined (as the case may be) : *Biofortified wheat*

Table Performance of WB-02 variety

Technology Option	*No.of trials*	*Yield (t/ha)*	*Net Returns (Rs. in lakh./ha)*
Farmer Practice HD 2967	*03*	*Result Awaited*	
WB 02 Variety			

Problem definition: *Low productivity due to use of local variety of marigold (Rabi 2021-22)*

Technology Assessed or Refined (as the case may be) : *Use of hybrid variety Pusa Arpita*

Table Performance of Pusa Arpita

Technology Option	*No.of trials*	*Yield (t/ha)*	*Net Returns (Rs. in lakh./ha)*
Farmer Practice – use of local variety	*03*	*15.1*	*1.29*
Use of Pusa Arpita Variety		*19.2*	*1.59*

Problem definition: *Low productivity due to use of local variety of marigold (Rabi 2022-23)*

Technology Assessed or Refined (as the case may be) : *Use of hybrid variety Pusa Arpita*

Table Performance of Pusa Arpita

Technology Option	*No.of trials*	*Yield (t/ha)*	*Net Returns (Rs. in lakh./ha)*
Farmer Practice – use of local variety	*03*	*Results awaited*	
Use of Pusa Arpita Variety			

Problem definition: *Low productivity due to use of local variety of cauliflower (Rabi 2022-23)*

Technology Assessed or Refined (as the case may be) : *Use of variety Pusa Snowball KT-25*
Table Performance of *Pusa Snowball KT-25*

Technology Option	*No.of trials*	*Yield (t/ha)*	*Net Returns (Rs. in lakh./ha)*
Farmer Practice – use of local variety	*03*	*Results awaited*	
Use of Pusa Snowball KT-25			

INTEGRATED NUTRIENT MANAGEMENT

Problem definition: *Lack of application of micronutrient in wheat (Rabi 2021-22)*
Technology Assessed or Refined (as the case may be): *Micronutrient*
Table Effect of micronutrients on yield at wheat

Technology Option	*No.of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
Use of NPK (Farmers Practice)	*08*	*48.80*	*--*	*98332*	*1.95*
Use of micronutrient with NPK (Recommended Practice)		*57.10*	*17.01*	*115056*	*2.40*

Problem definition: *Lack of application of micronutrient in wheat (Rabi 2022-23)*
Technology Assessed or Refined (as the case may be): *Micronutrient*

Table Effect of micronutrients on yield at wheat

Technology Option	*No.of trials*	*Yield (qt./ha)*	*Increase in yield (%)*	*Net Return (Rs./ha)*	*B:C Ratio*
Use of NPK (Farmers Practice)	*03*	*Result awaited*			
Use of micronutrient with NPK (Recommended Practice)					

PEST AND DISEASE MANAGEMENT

Problem definition: *Low productivity of sugarcane due to high infestation of Pokka Boing (Kharif 2022)*

Technology Assessed or Refined (as the case may be): *Use of Copper Oxychloride 50% WP*

Table Effect of *Copper Oxychloride 50% WP on Pokka Boing*

Technology Option	***No.of trials***	***Incidence of leaf curl (%)***	***Yield (kg/ha)***	***% Increase in yield over farmer's practice***
Mancozeb M 45+Carbandizim 50% WP	*03*	*Result awaited*		
Copper Oxychloride 50% WP				

Problem definition: *Low productivity of mustard due to high infestation of aphid (Rabi 2022-23)*

Technology Assessed or Refined (as the case may be): *Use of Thiomethoxam 25 WG*

Table Effect of *Thiomethoxam 25 WG on mustard aphid*

Technology Option	***No.of trials***	***Incidence of leaf curl (%)***	***Yield (kg/ha)***	***% Increase in yield over farmer's practice***
No use of chemical	*03*	*Result awaited*		
Thiomethoxam 25 WG				

WEED MANAGEMENT

Problem definition: *Lower productivity and profitability in paddy due to high infestation of weed (Kharif 2022)*

Technology Assessed or Refined (as the case may be): *Use of pretilachlor for weed management*

Table Effect of seed soaking of $MnSo_4$ ***in enhancing germination and yield in black gram***

Technology Option	***No.of trials***	***Yield (kg./ha)***	***Increase in Yield (%)***	***B:C Ratio***
No use of chemical (Farmers Practice)	*03*	*4845*	*--*	*2.37*
Use of pretilachlor (Recommended Practice)		*5475*	*13.00*	*3.42*

WOMEN AND CHILD CARE

Problem definition: *Weak Immunity in women and children*

Technology Assessed or Refined (as the case may be): Use of multigrain aata

Table Effect of multigrain aata on *women and children*

Technology Option	***No.of trials***	***Yield (t/ha)***	***Net Returns (Rs./ha)***	***BC Ratio***
Use of single grain aata (Farmers Practice)	*04*	*Result awaited*		
Use of multi grain aata				

FARM MECHANIZATION

Problem definition: *Inefficient irrigation and low yield in wheat (Rabi 2022-23)*

Technology Assessed or Refined (as the case may be): *Laser Land leveller*

Table Effect of *Laser Land leveller on irrigation and yield in wheat*

Technology Option	***No.of trials***	***Yield (t/ha)***	***Net Returns (Rs./ha)***	***BC Ratio***
Use of traditional levelling system (Farmers Practice)	*03*	*Result awaited*		
Use of Laser Land leveller				

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2016-17 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

**** 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**.)

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	Paddy	INM	Nutrient		4.00	4.00			10	
		Varital evaluaction (VE)	Variety		4.00	4.00			10	
		IDM	Pesticides		4.00	4.00			10	
2	Wheat	INM			4.00	4.00			10	
		Weed Mgt.			2.40	2.40			06	
		V.E.			4.00	4.00			04	
		VE			2.00	2.00			02	
		VE			4.00	4.00			04	
		IMP			4.00	4.00			04	
		Mechanization	Superseeder	Rabi 22-23	2.00	2.00			05	
3.	Mustard	VE			4.00	4.00			14	
		VE			4.00	4.00			10	
4.	Onion	VE			0.60	0.60			06	
		VE			0.8	0.8			08	
5.	Vegetables	Nutrition	Value addition		10	10			10	

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Higher yield and low disease
2	Higher yield and low disease
3	Better crop growth and higher yield
4	Reduce disease and infestation
5	Less no. of weeds and higher yield
6	Reduce pests and infestation
7	Higher yield

Farmers' reactions on specific technologies

S. No	Feed Back
1	Higher yield and low disease
2	Higher yield and low disease
3	Better crop growth and higher yield
4	Reduce disease and infestation
5	Less no. of weeds and higher yield
6	Reduce pests and infestation
7	Higher yield

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				
2	Farmers Training				
3	Media coverage				
4	Training for extension functionaries				

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	Varital Demo	Varietal evaluation	NRCYS-502	14	04	16.4	14.6	15.8	13.10	20.61	21960	94800	72840	4.31	19980	78600	58620	3.93
	Varital Demo	Varietal evaluation	NRCYS-502	10	04	Results awaited												
Toria																		
Linseed																		
Sunflower																		
Soybean																		

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

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						High	Low	Average										
Pigeonpea																		
Blackgram																		
Greengram																		
Chickpea																		
Fieldpea																		
Lentil																		
Horsegram																		

* 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	INM	Nutrients	10	04	57.53	46.25	50.90	46.10	10.41			49780	127250	77470	2.56	47750	115250	67500	2.41
	Varietal Evaluation	Pusa Basmati 1509	10	04	55.87	43.40	52.10	46.70	11.56			49750	130250	80500	2.61	48160	116750	68590	2.42
	IDM	Tebuconazol 25 EC	10	04	53.41	42.55	51.87	45.40	14.09			49650	129500	79850	2.61	48100	113500	65400	2.35
Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			
Wheat																			
Wheat Timely sown	INM	Nano Urea	10	4.00	59.10	56.70	58.10	50.10	15.96			36570	117071	80501	3.20	36610	100951	65341	2.83
	Weed Mgt.	Idosulfuron+ mesosulfuron	06	2.4	58.30	53.40	56.34	50.10	12.45			37840	113525	75685	3.00	34850	100951	66101	2.89
	Varital Demo.	DBW222	11	04	60.70	57.10	58.80	51.30	14.62			37690	118482	80792	3.81	36150	103370	67220	2.86
	Varital Demo.	DBW-173	05	02	53.50	48.10	51.40	43.50	18.16			37690	103571	65881	2.74	36150	87652	51502	2.42
	Varital Demo.	DBW-187	10	04								Result awaited							
	IDM	Tabuconazol 25 EC	10	04								Result awaited							
Wheat Late Sown																			
Mandua																			
Barley																			
Maize																			
Amaranth																			

Millets
Jowar
Bajra
Barnyard millet
Finger millet
Vegetables
Bottlegourd
Bittergourd
Cowpea
Spongegourd
Petha
Tomato
Frenchbean
Capsicum
Chilli
Brinjal
Vegetable pea
Softgourd
Okra

Colocasia (Arvi)																			
Broccoli																			
Cucumber																			
Onion	Varietal evaluation	Pusa Madhvi	06	0.60	317.5	306.7	311.8	263.1	18.51			165100	455900	290800	2.76	150100	**355600**	**205500**	**2.36**
	Varietal evaluation	NHRDF-Red 4	08	0.8	Result awaited														
Coriender																			
Lettuce																			
Cabbage																			
Cauliflower																			
Elephant fruit																			
Flower crops																			
Marigold																			
Bela																			
Tuberose																			
Gladiolus																			
Fruit crops																			
Mango																			
Strawberry																			

Guava																			
Banana																			
Papaya																			
Muskmelon																			
Watermelon																			
Spices & condiments																			
Ginger																			
Garlic																			
Turmeric																			
Commercial Crops																			
Sugarcane																			
Potato																			
Medicinal & aromatic plants																			
Mentholment																			
Kalmegh																			
Ashwagandha																			
Fodder Crops																			
Sorghum (F)																			
Cowpea (F)																			

Maize (F)																			
Lucern																			
Berseem																			
Oat (F)																			

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

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																	

Vaccination																	

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

FLD on Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Common Carps																	
Composite fish culture																	
Feed Management																	

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

FLD on Other enterprises

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

Value Addition																
Vermi Compost																

FLD on Women Empowerment

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

FLD on Farm Implements and Machinery

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Superseeder	Wheat	Superseeder	05	24.00	Yield	Result awaited										

FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology demonstra01ted	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Vegetable	Nutritional Garden	Nutritional Garden	10	10	Result Awaited												

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FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2022***)*

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

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

III. Training Programme

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	03	43	06	49	09	02	11	52	08	60
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming	02	21	--	21	19	--	19	40	--	40
Micro Irrigation/irrigation										
Seed production	06	83	07	--	23	07	--	106	14	120
Nursery management										
Integrated Crop Management	02	31	--	31	09	--	09	40	--	40
Soil & water conservatioin										
Integrated nutrient management	01	15	--	15	05	--	05	20	--	20
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables	01	15	--	15	05	--	05	20	--	20
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	01	17	--	17	03	--	03	20		20
Cultivation of Fruit	01	18	--	18	02	--	02	20		20
Management of young plants/orchards	01	18	--	18	02	--	02	20		20
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										

g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
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	01	--	17	17	--	03	03	--	20	20
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	--	18	18	--	02	02	--	20	20
Women empowerment										
Location specific drudgery reduction technologies	01	--	03	03	--	17	17	--	20	20
Rural Crafts										
Women and child care	02	--	36	36	--	04	04	--	40	40
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinary and its maintenance	01	13		13	07		07	20		20
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) C.R.M.	01	18		18	02		02	20		20
Total										
VII Plant Protection										
Integrated Pest Management	01	13	04	17	03	--	03	16	04	20
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total										

VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
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										

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	04	55	08	63	08	09	17	63	17	80
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	02	21	--	21	19	--	19	40	--	40
0Integrated Farming										
Micro Irrigation/irrigation										
Seed production	06	87	09	--	20	04	--	107	13	120
Nursery management										
Integrated Crop Management	05	73	--	73	27	--	27	100	--	100
Soil & water conservatioin										
Integrated nutrient management	01	16	--	16	04	--	04	20	--	20
Production of organic inputs										

Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	01	13	--	13	07	--	07	20	--	20
Off-season vegetables	02	27	03	30	06	04	10	31	09	40
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	02	27	--	27	13	--	13	40	--	40
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	01	15	--	15	05	--	05	20	--	20
Cultivation of Fruit	01	18	--	18	02	--	02	20	--	20
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards	01	14	--	14	06	--	06	20	--	20
Plant propag20ation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management	01	18	--	18	02	--	02	20	--	20
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
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	01	--	18	18	--	02	02	--	20	20
Designing and development for high nutrient efficiency diet	01	--	18	18	--	02	02	--	20	20
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	01	--	03	03	--	17	17	--	20	20
Rural Crafts										
Women and child care	02	--	36	36	--	04	04	--	40	40
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinary and its maintenance	03	52		52	08		08	60		60
Installation and maintenance of micro irrigation systems	01	17		17	03		03	20		20
Use of Plastics in farming practices										
Production of small tools and implements	01	18		18	02		02	20		20
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify) Renewable Energy	01	16		16	04		04	20		20
Total										
VII Plant Protection										
Integrated Pest Management	04	68	--	68	12	--	12	80	--	80
Integrated Disease Management	02	36	--	36	04	--	04	40	--	40
Bio-control of pests and diseases	01	20	--	20	--	--	--	20	--	20
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										

Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
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										

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	7	98	14	112	17	11	28	115	25	140
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	2	21		21	19		19	40		40
Integrated Farming	2	21		21	19		19	40		40
Micro Irrigation/irrigation										
Seed production	12	170	16		43	11		213	27	240
Nursery management										
Integrated Crop Management	7	104		104	36		36	140		140
Soil & water conservatioin										
Integrated nutrient management	2	31		31	9		9	40		40
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops	1	13		13	7		7	20		20
Off-season vegetables	2	27	3	30	6	4	10	31	9	40
Nursery raising										
Exotic vegetables	1	15		15	5		5	20		20
Export potential vegetables										
Grading and standardization										
Protective cultivation	2	27		27	13		13	40		40
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards	2	32		32	8		8	40		40
Cultivation of Fruit	2	36		36	4		4	40		40

Management of young plants/orchards	1	18		18	2		2	20		20
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards	1	14		14	6		6	20		20
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management	1	18		18	2		2	20		20
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
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	1		17	17		3	3		20	20
Design and development of low/minimum cost diet	1		18	18		2	2		20	20
Designing and development for high nutrient efficiency diet	1		18	18		2	2		20	20
Minimization of nutrient loss in processing										

Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	1		18	18		2	2		20	20
Women empowerment										
Location specific drudgery reduction technologies	2		6	6		34	34		40	40
Rural Crafts										
Women and child care	4		72	72		8	8		80	80
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinary and its maintenance	4	65		65	15		15	80		80
Installation and maintenance of micro irrigation systems	1	17		17	3		3	20		20
Use of Plastics in farming practices										
Production of small tools and implements	1	18		18	2		2	20		20
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)	2	34		34	6		6	40		40
Total										
VII Plant Protection										
Integrated Pest Management	5	81	4	85	15		15	96	4	100
Integrated Disease Management	2	36		36	4		4	40		40
Bio-control of pests and diseases	1	20		20				20		20
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										

Group dynamics										
Formation and Management of SHGs										
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	71	916	186	916	241	77	264	1155	265	1420

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	02	22	03	25	03	02	05	25	05	30
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production	02	20	--	20	10	--	10	30	--	30
Production of organic inputs										
Planting material production										
Vermi-culture	02	22	03	25	03	02	05	25	05	30
Mushroom Production	01	09	02	11	04	--	04	13	02	15
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements	01	12	--	12	03	--	03	15	--	15
Value addition	01	08	03	11	02	02	04	10	05	15
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	93	11	104	25	6	31	118	17	135

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	02	22	03	25	03	02	05	25	05	30
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production	02	20	--	20	10	--	10	30	--	30
Production of organic inputs										
Planting material production										
Vermi-culture	02	22	03	25	03	02	05	25	05	30
Mushroom Production	01	09	02	11	04	--	04	13	02	15
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements	01	12	--	12	03	--	03	15	--	15
Value addition	01	08	03	11	02	02	04	10	05	15
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	93	11	104	25	6	31	118	17	135

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and										

implements										
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)										
TOTAL										

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	13	03	16	03	01	04	17	03	20
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology	01	13	03	16	03	01	04	17	03	20
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)	02	34	--	34	06	--	06	40	--	40
TOTAL	4	60	6	66	12	2	14	74	6	80

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	02	35	--	35	05	--	05	40	--	40
Integrated Pest Management	02	32	--	32	08	--	08	40	--	40
Integrated Nutrient management										
Rejuvenation of old orchards	01	14	02	16	02	02	04	16	04	20
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	**01**	**--**	**16**	**16**	**--**	**04**	**04**	**--**	**20**	**20**
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application	**01**	**17**	**--**	**17**	**03**	**--**	**03**	**20**	**--**	**20**
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)	**02**	**34**	**--**	**34**	**06**	**--**	**06**	**40**	**--**	**40**
TOTAL	9	132	18	150	24	6	30	156	24	180

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	3	48	3	51	8	1	9	57	3	60
Integrated Pest Management	2	32		32	8		8	40		40
Integrated Nutrient management										
Rejuvenation of old orchards	1	14	2	16	2	2	4	16	4	20
Protected cultivation technology	1	13	3	16	3	1	4	17	3	20
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	1		16	16		4	4		20	20
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application	1	17		17	3		3	20		20
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)	4	68		68	12		12	80		80
TOTAL	13	192	24	216	36	8	44	230	30	260

Table. Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
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										
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										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL										

Name of sponsoring agencies involved

Details of vocational training programmes carried out by KVKs for rural youth

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total										

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	21	130	0	130
Diagnostic visits	138	820	0	820
Field Day	5	285	5	291
Group discussions	20	224	0	224
Kisan Ghosthi	11	2541	74	2614
Film Show	5	130	0	130
Self -help groups	03	45	0	45
Kisan Mela	4	2023	174	2198
Exhibition	4	2023	174	2198
Scientists' visit to farmers field	111	263	0	263
Plant/animal health camps	1	80	0	80
Farm Science Club				
Ex-trainees Sammel				
Farmers' seminar/workshop				
Method Demonstrations	4	75	0	75
Celebration of important days	4	411	25	437
Special day celebration	13	2250	150	2400
Exposure visits	8	348	36	385
Others (pl. specify) Lecture Delivered	24	6646	228	6874
Total	**376**	**18294**	**866**	**19164**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	03
News paper coverage	75
Popular articles	01
Radio Talks	03
TV Talks	03
Animal health amps (Number of animals treated)	
Others (pl. specify)	
Total	**85`**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	15753	--	--	--	15753	--	15753
	Voice only	1733	--	--	--	1733	--	1733
	Voice & Text both	--	--	--	--	--	--	--
	Total Messages	**17486**	**--**	**--**	**--**	**17486**	**--**	**17486**
	Total farmers Benefitted	**17486**	**--**	**--**	**--**	**17486**	**--**	**17486**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies			
	Lectures organised			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practicals			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

VI. 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	Wheat	DBW-222		193.70	426140	Supply to N.S.C.
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						

Others						
Total						

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Onion	NHRDF Red 4	OP	10000	1250	05
	Brinjal	Pusa Uttam	OP	2000	1100	04
	Chilli	Arka Meghna	OP	1500	825	03
	Tomato	NSC Abhishree	NSC Abhishree	1000	900	02
	Cauliflower	Pusa Snowball K-1	OP	4000	2000	07
	Cabbage	KGMR	OP	3000	1500	03
					7575	
Fruits						
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	Value (Rs.)	No. of Farmers
Bio Fertilisers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total				

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	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)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil				
Water				
Plant				
Manure				
Others (pl.specify)				
Total				

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Shamli	02	11.01.2022
		21.11.2022

IX. NEWSLETTER/MAGAZINE

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

X. PUBLICATIONS

Category	Number
Books	**01**
Technical bulletins	**01**
Research Paper	02
Lead Papers	--
Book Chapters	01
Popular Articles	01
Newsletters	--
Technical reports	02
Others (pl. specify)	

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 (No.)**	**Visit by officials (No.)**

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

Introduction of alternate crops/varieties

Crops/cultivars	**Area (ha)**	**Extent of damage**	**Recovery of damage through KVK initiatives if any**
Total			

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

Livestock components	**Number of interactions**	**No.of participants**
Total		

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

	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**

Total												

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
Total				

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

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
Total			

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

a) ***Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
b) ***Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***
c) ***Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

The general format for preparing the above case studies are furnished below

Name of the KVK

TITLE

Introduction

KVK intervention

Output

Outcome

Impact

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

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	
02	Technology Products	
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		
02	Exhibition / technology museum		
03	Touch screen Kiosk		
04	Cafeteria		
05	Sales counter		
06	Farmer's feedback register		
07	Others if any (please specify)		

D. Technology information provided

D.1. Details on technology information

S. No	Information category	Number of ATICs	Total number of farmers benefitted	Category of information						
				Varieties / hybrids	Pest management	Disease management	Agro-techniques	Soil and water conservation	Post Harvest technology and Value addition	Animal Husbandry and fisheries
01	Kisan Call Centre / other Phone calls from farmers									
02	Video shows									
03	Letters received									
04	Letters replied									
05	Training to farmers / technocrats / students									
06	Others pl. specify									

D.2 . Publications (Print & Electronic media)

S. No	Particulars	Number sold	Revenue generated in Rs.	Number of farmers benefited
01	Books			
02	Technical bulletins			
03	Technology Inventory			
04	CDs			
05	DVDs			
06	Video films			
07	Audio CDs			
08	Others if any (please specify)			

E. Technology Products provided

S. No	Particulars	Quantity	Unit of quantity	Value in Rs.	Number of farmers benefited
01	Seeds		Quintal		
02	Planting materials		Numbers		
03	Livestock		Numbers		
04	Poultry birds		Numbers		
05	Bio-products		Quintals		
06	Others pl. specify				

F. Technology services provided

S. No	Particulars	Number of farmers benefited
01	Soil and water testing	
02	Plant diagnostics	
03	Details about the services to line Departments	
04	Others if any (please specify)	

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)

B. Workshops / meetings organized

S. No.	Details of workshop/meeting conducted	No. of KVKs participated

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

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

D. Overseeing of KVKs activities

S. No.	Particulars	Number of fields visited	Major observations / remarks	Major suggestions given
01	On Farm Trials			
02	Front Line Demonstration			
03	Others pl. specify			

E. Publication on Technology inventory

S. No.	Particulars	Number
01	Directorates published the technological inventory	
02	Directorates constantly updating the technological inventory	

F. Technological Products provided to KVKs

S. No.	Major technologies provided	Number of KVKs
01	Seeds	
02	Planting materials	
03	Bio-products	
04	Livestock breed	
05	Livestock products	
06	Poultry breed	
07	Poultry products	
08	Others pl. specify	

XVI Achievement of Special programmes

1) Achievement of skill development training funded by DAC&FW

S. No.	Name of QP/Job role	Duration (hrs)	No. of Courses Organised	No. of Participants						
				SCs/STs		Others		Total		TOTAL
				Male	Female	Male	Female	Male	Female	
1	Agriculture Extension Service Provider	200								
2	Agriculture Machinery Demonstrator	200								
3	Agriculture Machinery Operator	200								
4	Agriculture Machinery Repair and Maintenance Service Provider	200								
5	Animal Health Worker	300								
6	Aquaculture Technician	200								
7	Aquaculture Worker	200								
8	Aquarium Technician	200								
9	Artificial Insemination Technician	400								
10	Assistant Gardener	200								
11	Beekeeper	200								
12	Brackwishwater Aquaculture Farmer	210								
13	Broiler Farm Worker	200								
14	Citrus Fruit Grower	200								
15	Community Service Provider	200								
16	Dairy Farmer - Entrepreneur	200								
17	Fish Seed Grower	210								
18	Floriculturist - Open cultivation	200								
19	Floriculturist - Protected cultivation	200								
20	Forest Nursery Raiser	200								
21	Freshwater Aquaculture Farmer	200								
22	Friends of Coconut Tree	200								
23	Greenhouse Operator	200								
24	Group Farming Practitioner	200								

25	Harvesting Machine Operator	200								
26	Hatchery (Fishery) Production Worker	200								
27	Layer Farm Worker	200								
28	Mango Grower	200								
29	Medicinal Plants Cultivator	200								
30	Micro Irrigation Technician	200								
31	Mushroom Grower	200								
32	Nursery Worker	200								
33	Organic Grower	200								
34	Ornamental Fish Technician	200								
35	Packhouse Worker	200								
36	Quality Seed Grower	200								
37	Seed Processing Plant Technician	200								
38	Sericulturist	200								
39	Service and Maintenance Technician-Farm Machinery	205								
40	Shrimp Farmer	240								
41	Small poultry farmer	240								
42	Soil & Water Testing Lab Analyst	240								
43	Soil & Water Testing Lab Assistant	200								
44	Supply Chain Field Assistant	200								
45	Tea Plantation Worker	200								
46	Tractor Operator	200								
47	Vermicompost Producer	200								
	TOTAL									

2) Achievements under Crop Residue Management (CRM) Project by KVKs

a) CRM Machinery procured by KVKs

S.No.	Name of the Machine/ Equipment	No. of machines procured
1	Happy Seeder	
2	Reversible M.B. Plough	
3	Paddy Straw Chopper/ Shradder / Mulcher	
4	Zero Till Drill	
5	Rotavator	
6	Tractor	
	Total	

b) IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities	No. of Participants
	Kisan Melas organized		
1.	Awareness programmes conducted at Village Panchayat/ Block/ District Level		
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.		
3.	Demonstration conducted (ha)		
4.	Training Programmes conducted		
5.	Exposure visits organized		
6.	Field /harvest days organized		
	Total		

b) Other IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	
2.	Column / Articles in newspaper and magazines etc.	
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	
4.	Poster/Banner placed	
5.	Publicity material - leaflets/ pamphlets etc. distributed	
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	
7.	Wall writing	
	Total	

3) Achievement of TSP (Tribal Sub Plan)

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas)

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

5) Achievements of SCSP KVKs

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On- farm trials	Frontline demos	Mobile agro-advisory to farmers						

6) Achievement under IFS KVKs

Sl. No.	Component Name	No. of Components established	Area (ha)	Number of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1							
2							
3							

7) Achievements under Mera Gaon Mera Gaurav (MGMG) project

No. of institutes/ universities involved	Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)

8) Achievements of Farmers FIRST programme

NRM Module		Crop Module		Horticulture Module		Livestock & Poultry			IFS Model		Extension Activities	
Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	Demon.	No Farm Families	No of Animals	Demon.	No Farm Families	No. of prog	Farmers

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 Established	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

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

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				

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 lakh	Amount realized (Rs. in lakhs)	No. of Soil Health Cards issued (lakhs)
Soil					
Water					
Plant					
Manure					
Total					

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

12) Achievements under ARYA Project

Name of entrepreneurial units	No. of entrepreneurial units established	No. of Training programs organised	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female
Mushroom production						
Fruits and vegetable processing units,						
Horticulture nursery						
Fish farming						
Poultry						
Goat farming						
Piggery						
Duck farming						
Bee keeping						
Others if any						

13) Achievements under Rainwater Harvesting Structures

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

14) Achievements under Pulses Seed Hub programme

Season/Crop	Name of Pulse crop	Variety	Production			Category of seed (F/S, C/S)	Distributed to No. of farmers
			Target (q)	Area sown (ha)	Actual Production (q)		
Kharif	Black gram						
	Green Gram						
	Pigeon pea						
Total (Kharif)							
Rabi	Chick pea						
	Field pea						
	Lentil						
Total (Rabi)							
Summer	Black gram						
Total (Summer)							
Grand Total							

15) NEMA (New Extension Methodologies and Approaches)

Name of Crop with variety	No. of districts	No. of Villages selected	No. of Blocks	No. of household selected	
				Adapter household	Non adapter household

16) Achievements under CSISA (Cereal System Initiative for South Asia) project

S.No.	Name of Programme	Number/quantity
1	Plantation by paddy uppulling	
2	DSR	
3	Laser leveler	
4	Training	
5	Kisan Mela	
6	Seminar	
7	Seed production (q)	

17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations)

Name of fodder	Variety	Production (q)	Training courses	No. of farmers benefitted

18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons paticipated
1	Toilet maintenance		
2	Road, drain cleaning		
3	Garbage disposal		

4	Door to door awareness		
5	Awareness campaign		
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing paining slogans		
10	Composting		
11	Other		
12			
13			

19) Achievements under Aspirational District Scheme

Name of programme	**Number**
Training	
Session No.	
No. of farmers	
Officers/staff involved	
Seed & Plant Distribution	
Programme number	
Seed distribution in q	
No. of plant distributed	
Biological products distributed	
No. of programme organised	
No. of farmers	
Officers/staff involved	
Animal husbandra & fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixure	
No. of farmers	

Officers/staff involved	

XVI. Achivements under Natural Farming

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

XVII Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received

Note: Please also mention name of farmer who received the award.

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