PROFORMA FOR PREPARATION OF ANNUAL REPORT (Jan to December 2021)

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	55	910	205	1115
Rural youths	09	145	05	150
Extension functionaries	12	160	45	205
Sponsored Training	04	205	44	249
Vocational Training				
Total	**82**	**1420**	**299**	**1719**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds			
Pulses	95	20	95
Cereals	35	14	35
Vegetables	10	04	10
Other crops			
Hybrid crops	10	02	10
Total			
Livestock & Fisheries	38	-	38
Other enterprises	30		30
Total			
Grand Total	218	40	218

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	03	03	14
Livestock	02	02	21
Various enterprises	02	02	10
Total	07	07	45
Technology Refined			
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	07	07	45

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	628	18864
Other extension activities	27	-
Total	655	18864

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	1055	275	470	32	720	210	2762
	Voice only	58	21	25	36	110	56	306
	Voice & Text both	**13**	**12**	**15**	**10**	**16**	**18**	**84**
	Total Messages	**1126**	**308**	**510**	**78**	**846**	**284**	**3152**
	Total farmers Benefitted	**1126**	**308**	**510**	**78**	**846**	**284**	**3152**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	**447**	**1016000**
Planting material (No.)		
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	04
2	Conferences	15
3	Meetings	10
4	Trainings for KVK officials	02
5	Visits of KVK officials	04
6	Book published	-
7	Training Manual	-
8	Book chapters	02
9	Research papers	04
10	Lead papers	-
11	Seminar papers	03
12	Extension folder	-
13	Proceedings	03
14	Award & recognition	-
15	On going research projects	02

DETAIL REPORT OF APR-2021

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 DM Road Char Yar Bulandshahr	Office 05732-223103	FAX _	bulandshahrkvk@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
SVPUA&T, Modipuram, Meerut (U.P.)	0121-2411511		deesvpuat2014@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr Laxmi Kant	05732-223103	9411215276	laxmikant@gmail.com

1.4. Year of sanction: 2008

1.5. Staff Position (as on 30th March, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Discip-line	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	Dr. Laxmi Kant	Head/Professor	Plant Protection		188200		Permanent	SC	9411215276	54	laxmikantkvk@gmail.com
2	Subject Matter Specialist	Dr Reshu Singh	SMS/ Asstt Prof.	Plant Protection		101100	23-06-2008	Permanent	SC	9412672253	42	reshu_258@rediffmail.com
3	Subject Matter Specialist	Dr Vivek Raj	SMS/ Assit Prof.	Agronomy		101100	26-12-2008	Permanent	Other	9412890886	44	drrajvivek@ gmail.com
4	Subject Matter Specialist	Dr Manoj kumar	SMS/ Assit Prof.	AH& Dairying		101100	26-12-2008	Permanent	OBC	9411448461	42	dr.manojktomar@gmail.com
5	Subject Matter Specialist	Smt KM. Tripathi	SMS/ Assit Prof.	Home Science		87800	26-12-2008	Permanent	other	9410675174	41	kirtitripathi.dixit@gmail.com
6	Computer Programmer	Sh. Zayeem Khan	Prog. Assist (Computer)	Computer	L-7	55200	30-07-2007	Permanent	other	8126504311	40	zksvpu@yahoo.com
7	Farm Manager	Sh. R.K Sirohi	Farm manager	Seed technology	L-7	53600	26-12-2008	Permanent	OBC	8273443441	54	sirohirk@gmail.com
8	Accountant / Superintendent	Sh. R.K Garg	Accountant/superintendent	Account	L-8	83200	17-01-1994	Permanent	other	9457034310	54	gargsvpuat@ gmail.com
9	Stenographer	Sh. P.N. Pal	Steno/ Com Oprt.		L-6	52000	14-09-2000	Permanent	other	9452574716	52	prakashpal35@ gmail.com
10	Driver	Sh. Ashok Kumar	Driver		L-2	27600	26-12-2008	Permanent	other	9719441597	42	
11	Supporting staff	Sh. Harish Kumar	Attendent		L-2	27600	26-12-2008	Permanent	SC	8439198655	45	

1.6. Total land with KVK (**in ha**) :10.00 ha

S. No.	Item	Area (ha)
1	Under Buildings	3.20
2.	Under Demonstration Units	0.02
3.	Under Crops	6.70
4.	Orchard/Agro-forestry	0.01
5.	Others (specify)	00

1.7. Infrastructural Development:

A) Buildings NIL

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			133.34 Laks	March 2020		Progress
2.	Farmers Hostel							
3.	Staff Quarters (6)							
4.	Demonstration Units (2)							
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm godown & Tubewell	Revolving Fund	April, 2014	2530	669000.00	Oct, 2011	-	Complete

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bike (Motor cycle)	2010	50000.00	71646	Working
Tractor	2017	525000.00	192.5 Hour	Working

C) **Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
01 Computer	2010		Not working
04 Computer	2017	197470.00	Working
02 Lab top	2017	108980.00	Working
Digital camera	2010	15000.00	Not working
01 Laser printer	2010	12000.00	Not working
02 Laser printer	2017	36400.00	Working
01 LED 42”	2017	55745.00	Working
Motrized Screen	2017	25569.00	Working

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	12.03.2021	1. Dr. Gopal Singh, Joint Director Extension SVPUAT, Meerut	1. Value addition should be included in Mushroom cultivation 2. Demonstration should be conducted on Decomposer.	1. 2 training programs on value addition of mushroom is being added in Action Plan. 2. 1 demonstration on decomposer is being added under CRM program.
2		Sh. R.P. Chaudhary. DD Agriculture Extension, Bulandshahr	1. Incorporate the variety of Moong in CFLD. 2. Mention actual no, of spray in CFLD/FLD 3. Emphasis on One district one product 4. Mention the season in the demonstration.	1. Varieties have been added in CFLD. 2. Actual number of sprays have been mentioned in the report of FLD/OFT 3. Awareness program has been planned with the district officials. 4. Care has been taken and seasons are mentioned in FLD and OFT.
3		Dr. K. G. Yadav, Associate Professor SVPUAT Meerut	1 Training on grain storage should be conducted by Home scientist also. 2 Bio-fortified varied can be taken in OFTs. 3 Nutrational garden should be taken under FLDs	1 2 Training programs are being added to the action plan. 2 Bio fortified variety of potato for nutritional evaluation has been taken under OFT of Agronomy and Home Science. 3 2 FLDs on Nutritional garden are incorporated in Home Science.
4		Smt. Archana, SAC Member Village Devil	Regular visit of scientist should be made in the farmers field.	Regular visits are made taking COVID protocol under consideration

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 (2021)

S. No	Agro-climatic Zone	Characteristics
1.	Western plain	The soils are alluvial in nature and partially affected by salts. Average annual rain fall is 797 ml and the temperature ranges from 3 ° c to 44 ° c. The average related humidity ranges from 30 to 95 %. Cropping intensity of the zone is 155 %. Paddy, maize rice, sugarcane , rap seed and mustard are the major field crop of the zone. Potato, vegetable pea, tomato, brinjal, garlic, onion and flowers are also cultivated.

2.3 Soil types

S. No	Soil type	Characteristics	Area in ha
1.	Ganga khaddar	1. Light brown sandy loam to sandy, generally structure less, medium in water holding capacity and organic matter, moderately alkaline, restricted drainage, surface soils poor in lime contents but the middle layer is calcareous, medium in soluble salts, carbonates and sulphates practically absent	
2.	Ganga recent alluvium	Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content , impeded Drainage and prone to salinity in the water logged areas, average in soluble salts but injurious carbonates are absent**.**	
3.	Ganga upland	Light gray to light brownish gray, sandy loam, average water holding capacity, neutral in reaction, slightly calcareous, low in organic matter content , impeded drainage and prone to salinity in the water logged areas, average in soluble salts but injurious carbonates are absent.	
4.	Ganga Flats	Brown at surface and lighter brown, sandy loam, medium water holding capacity, neutral non-calcareous, fair drainage, low in soluble salts mainly comprising of bicarbonates and chlorides of sodium.	
5.	Central low lands	The colour varies from gray to grayish brown at the surface to slightly light at lower depths. Light texture at surface but becoming heavier below, medium water holding capacity, neutral in reaction but lower layers moderately calcareous. High soluble salts that increase with depth.	
6.	Yamuna Flats	Surface soil gray in colour which darkens below, becoming gray again in the third horizon . Texture is clay loam at surface and heavier below, poor water holding capacity, neutral in reaction and medium water soluble salts comprising mainly bicarbonates and chlorides of sodium.	

2.4. Area, Production and Productivity of major crops cultivated in the district 2021

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Wheat	197846	7557717	38.20
2	Sugarcane	49561	28527311	575.60
3	Paddy	87195	2082216	23.88
4	Maize	52631	1073672	20.40
5	Pigeon Pea	9555	66025	6.91
6	Rape seed & Mustard	8408	106781	12.70
7	Potato	7668	1557677	203.14

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	Production	Productivity	
Cattle			
Crossbred	67852	8236 mt.	5.13
Indigenous	104142		
Buffalo	1225246	10562.6 mt	5.76
Sheep			
Crossbred	2446		
Indigenous	5839		
Goats	196731		
Pigs			
Crossbred	9124		
Indigenous	31435		
Rabbits	178		
Poultry			
Hens	182178		
Desi			
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Shrimp			
Agro-forestry	700		

2.7 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Bulandshahr	Bulandshahr	Gijhori, Machkauli, chawli. Devli, Jainpur. Kahira, Sehkari nagar	Rice, wheat pigeon pea sugarcane, potatao, vegetables, Mango, Animals poultry	Diseases (Blast, Sheath blight, BLB) Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect -pest , and diseases
2		Lakhaoti	Lakhaoti Pipala, Rahmapur shyavali, Seekari	Rice, wheat pigeon pea sugarcane, potatao, Carrot, Mango, Animals,Flouriculture	Diseases (Blast, Sheath blight, BLB) Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect - pest , and diseases
3		Gulaoti	Kota, Ginorashekh,Baral, Ulehra,Harchana Mohana, Gyastipur. Nai basti	Rice, wheat pigeon pea sugarcane, potato, Mango, Animals Agro-forestry	Diseases (Blast, Sheath blight, BLB) Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect - pest , and diseases

4		Jahangirabad	Surajpur Tilkri	Rice, wheat pigeon pea sugarcane, potatao, Mango, Animals Bee keeping	Diseases (Blast, Sheath blight, BLB) Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect - pest , and diseases
5		Sikandrabad	Nithari, Shekhpur Gendpur,	Rice, wheat pigeon pea sugarcane, potatao, Mango, Animals Bee keeping, Vegetables	Diseases (Blast, Sheath blight, BLB) Weed problem, Termite, white grub, Sterility in animal	Low organic matter, More infestation of insect - pest , and diseases

2.8 Priority/thrust areas

Crop	Thrust area
Rice	Weed Management
Rice	Integrated diseases Management/ varietal
Sugarcane	Integrated pest management/ Varietal
Wheat	Weed management
Agro-forestry- Poplar	Varietal demonstration / evaluation.
Turmeric	Value addition
Maize	Drudgery reduction/ varietal
Mango	Rejuvenation of old orchard/ nutrient management
Animal Husbandry	Animal nutrition management

2.9 Intervention/ Programmes for the doubling the farmers income – during Jan-Jun 2021 **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.	Sugarcane (627)	Moong (7.2)	634.2	67500	103175	2.52:1	

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.	Sugarcane (638)	Moong (5.8)	643.8	73450	130425	2.77:1	

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.	Sugarcane (627)	Mustard (19)	646	67500	103175	2.52:1	

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.	Sugarcane (642)	Mustard (14)	656	72250	132750	2.83:1	

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.	Maize Paddy Wheat		39 32 37	32000 45000 40000	53995	2.01:1	

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.	Maize + Sorgham Wheat Buffalo		40 400 38 4000Lt	32000 25000 40000 12000	67995	2.31:1	

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.	Maize (40) Wheat (38)		78	61225	67650	2.16:1	

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.	Maize (40) Wheat (38) Mushroom (20Kg)		78 400kg	64750	72220	2.34:1	

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) *

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2020

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
06	06	30	30	26.4	26.4	136	136

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	-	32	-	640	300	292	10000	5037
Rural youth	-	03	-	45				
Extn. Functionaries	-	06	-	95				
Others	-	07	-	356				
		48	-	1136	300	292	10000	5037

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	447.00	-	-		

I.A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management	Wheat	T1-Farmers Practice(DAP) T2-3 spray NPK (18:18:18:6) @ 4 kg /Acre	01	04
Varietal Evaluation				
Integrated Crop Management				
I Integrated Pest Management (Fall army worm in Maize)	Maize	T_1: Farmers practice- use of Chloropyriphos + cypermethrin @ 1000 ml/ha T_2: Cyantraniliprol 19.8% + Thiomethoxam 19.8% @ 32 ml/6kg seed (seed treatment)	05	05
Integrated Pest Management (Fruit borer in Tomato)	Tomato	T_1: Farmers practice- use of cypermethrin @ 1000 ml/ha T_2: Emanectin Benzoate 1.5% + Fipronil 3.5% SC @ 750	05	05

		ml/ha Folier spray		
Small Scale Income Generation Enterprises		T1:- Use as perish able cooked items . T2- Nutritional Badis	01	05
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Total			**12**	**19**

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)	Cow	T1:- Farmer practice (Common Salt). T2:- Gonadotropin Harmone	01	20
Total			01	20

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
Women and child care	Soybean	T1:- Use of ghee and supplementary food available in market	01	05
		T2- soy and pro mixture		

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)				
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)

NUTRIENT MANAGEMENT

Problem definition: Find out alternate fertilizer formulation for boosting/enhancing wheat (HD-2967) productivity

Technology Assessed : To find out the dose of water soluble fertilizer

Performance of water soluble fertilizers

Technology Option	No.of trials	Germination (%)	No of tillers / M^2	Yield (qt/ha)	Increase in Yield (%)	B:C Ratio
T1-Farmers Practice(DAP)	04	91	412	44.0	-	2.04:1
T2-3 spray NPK (18:18:18:6) @ 4 kg /Acre		94	428	51.8	15.05	2.29:1

Spray Sechdule:- 1st spray at 30 DAS @ 1kg/acre
2nd spray at 50 DAS @ 1.5kg/acre
3rd spray at 70 DAS @ 1.5kg/acre
Spray prepared in 200 ltr of water.

Gross Cost :- 54716.00

Market Rate :- RS. 1840 /qt.

Farmers field receiving foliar spray of water soluble fertilizer exhibited superior plant growth and yield.

Integrated Pest Management

Problem definition: Incidence of Tomato fruit borer insect in Tomato

Technology Assessed or Refined: Management of bakane fruit borer insect in Tomato.

Tomato is an important vegetable crop of Northern India. Different disease and pest affect of this crop. Fruit borer is one of the most important pest of tomato crop and causes upto 50% crop loss.

KVK, Bulandshahr conducted ON Farm Trials on assessment of the management technology. The assessed technology of two folier spray with Emanectin Benzoate 1.5% + Fipronil 3.5% SC @ 750 ml/ha decreased the percent of pest incideance by 49.40% and increase yield by 30.66% in comparison to the farmers practices of cypermethrin @ 1000 ml/ha.

Table Effect of Emanectin Benzoate 1.5% + Fipronil 3.5% SC @ 750 ml/ha 02 Foliar spray in the management of fruit borer insect in Tomato crop.

Technology Option	**No.of trials**	**Incidence of fruit borer (%)**	**% decrease in fruit borer incidence**	**Yield (kg/ha)**	**% Increase in yield over farmer's practice**	**BC Ratio**
T_1: Farmers practice- cypermethrin @ 1000 ml/ha foliar spray	05	16.80	-	256.00	-	2.0:1
T_2: Emanectin Benzoate 1.5% + Fipronil 3.5% SC @ 750 ml/ha 02 Foliar spray		8.5	49.40	334.50	30.66	3.2:1

Integrated Pest Management

Problem definition: Incidence of Fall Army worm in Maize crop.

Technology Assessed or Refined: Management of fall army worm in Maize crop.

Maize is an important cereal crop. Different disease and pest affect of this crop. Fall army worm has a emerged as a pest of serious concern due to if nature and quantum of damage of standing crop.

KVK, Bulandshahr conducted ON Farm Trials on assessment of the management technology. The assessed technology of Cyantraniliprol 19.8% + Thiomethoxam 19.8% @ 32 ml/6kg seed (seed treatment) trail are going on result are awaited.

Table Effect of Cyantraniliprol 19.8% + Thiomethoxam 19.8% @ 32 ml/6kg seed (seed treatment) in the management of Fall Army Worm in Maize Crop.

Technology Option	No.of trials	Incidence of Fall Army Worm (%)	% decrease in Fall Army Worm	Yield (kg/ha)	% Increase in yield over farmer's practice	BC Ratio
T_1: Farmers practice- use of Chloropyriphos + cypermethrin @ 1000 ml/ha	05	29-0	&	36-0	&	26600
T_2: Cyantraniliprol 19.8% + Thiomethoxam 19.8% @ 32 ml/6kg seed (seed treatment)		9-0	68-9	46-5	22-60	46400

Women and Child Care

Problem definition: Prevalence of mal nutrition among pregnant women and children
Technology assessed: Assessment of soy and pro mixture to come back mal nutrition among pregnant women and children

Table. Performance of soy and pro mixture

Technology Option	No.of trials	Cost Rs/kg	Cost Rs/kg	Other parameters
T1:- Use of ghee and supplementary food available in market	**05**	**Demonstration**	**Market**	**Shelf life**
T2- soy and pro mixture		75.00	350.00	80%

Soy and pro mixture is 100% safe for consumption it is made up off locally available resources and soybean and lactogen powder. Due to its high palatability. It is accepted among mal nourished children and pregnant women.

LIVE STOCK ENTERPRISES

Problem definition:- High Incidence of Infertility problem in dairy animals resulting in lower productivity and profitability of dairying.
Technology Assessed or Refined : Assessment of UMMB animal feed supplementation of control the infertility..
Table Effect of UMMB in control of Infertility.

Technology Option	No.of trials	Percent Infertility
T1:- Farmer practice (Common Salt).	8	64
T2:- UMMB		36

Regular use of UMMB resulted in significant decrease in infertility problem in dairy animals.

Table Effect of Gonadotropin Harmone in control of Infertility.

Technology Option	No.of trials	Percent Infertility
T1:- Farmer practice (Common Salt).	13	59
T2:- Gonadotropin Harmone		41

Regular use of Gonadotropin Harmone resulted in significant decrease in infertility problem in dairy animals.

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2019 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Maize	Varietal demonstration	High yielding variety	Use of variety Decalb -7074	84	402	380
2	Wheat	Weed control	Chemical herbicide	Use of *Clodinophos@* 160g/ acre mixed with Metsulfuron methyl @ 8 g/ac	166	478	502
3	Lentil	Varietal demonstration	PL-08	Use of variety PL-08	07	87	30
4	Green Gram	Varietal demonstration	IPM-02-03	Use of variety IPM-02-03	05	57	22
5	Mixed vegetable pickle.	Storage loss minimization techniques.	Demonstration of different natural and chemical preservative in pickle making.	Use of Glacial acetic acid @10ml/kg , Sodium benzoate @2gm/kg, sugar, salt, Oil, jaggy.	13	290	-
6	Mango	Storage loss minimization techniques	Demonstration of different natural preservatives in ripe mango processing	Use of sugar@3kg per 1 kg mango pulp	02	10	
7	Mineral Mixture	Infertility management	Mineral Mixture	Mineral Mixture 40 g/day/animal	27	1547	-
8	**Paddy (PS-5, Pusa 1509)**	IDM (False smut)	Azoxystrobin 11% + Tebuconazole 18.3% @ 625 ml/ha (foliar spray at ear emergence and milk stage)	Azoxystrobin 11% + Tebuconazole 18.3% @ 625 ml/ha	25	643	518
9	**Paddy (Pusa 1121/ 1509)**	IDM (Neck blast)	Isoprothulan 40% EC (foliar spray at ear emergence)	Isoprothulan 40% EC	39	771	859

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

b. Details of FLDs implemented during **2021** (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	Maize	Varietal demonstration	High yielding variety	Kharif 2021	2.0	2.0	1	9	10	-
2	Wheat	Weed control	Chemical herbicide	Rabi 2020-21	6.0	6.0	1	14	15	
3	Lentil	Varietal demonstration	PL-08	Rabi 2020-21	10.0	10.0	12	47	59	
4	Green Gram	Varietal demonstration	IPM-02-03	Zaid 2021	10.0	10.0	11	25	36	
5	Mixed vegetable pickle.	Storage loss minimization techniques.	Demonstration of different natural and chemical preservative in pickle making	Rabi -2019-20	-	-	-	20	20	
7	**Paddy (PS-5, Pusa 1509)**	IDM (False smut)	Azoxystrobin 11% + Tebuconazole 18.3% @ 625 ml/ha (foliar spray at ear emergence and milk stage)	Kharif 2021	4.0	4.0	2	8	10	
8	**Paddy (Pusa 1121/ 1509)**	IDM (Neck blast)	Isoprothulan 40% EC (foliar spray at ear emergence)	Kharif 2021	4.0	4.0	2	8	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Maize	Kharif 2021	Irrigated	Sandy Loam	L	M	M	Wheat	31.05.21 to 23-06-2021	28-09-2021 to 10-10-2021		
Wheat	Rabi 2020-21	Irrigated	Sandy Loam	M	L	M	Paddy	05-11-21 to 29-11-21	12-04-21 to 20-04-21		
Lentil	Rabi 2020-21	Irrigated	Sandy Loam	M	L	M	Maize	1-11-21 to 25-11-21	20-3-21 to 05-04-21		
Green Gram	Zaid 2021	Irrigated	Sandy Loam	M	L	M	Potato	05-03-21 to 10-04-21	15-06-21 to 10-07-21		
Paddy (PS-5, Pusa 1509)	Kharif 2021	Irrigated	Sandy Loam	M	L	M	Dhaicha	15-6-2021 to 10-7-2021	10-10-2021 to 25-10-2021		
Paddy (Pusa 1121/ 1509)	Kharif 2021	Irrigated	Sandy Loam	M	L	M	Urd/ moong	15-6-2021 to 10-7-2021	10-10-2021 to 25-10-2021		

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1 Maize	Variety double is better than existing variety(gaurav,kanchan etc)
2 Wheat	Spray of clodinofob @160g/ha and metsulfuron @20g/ha is effective to control weeds
3 Lentil	Variety PL-08 is resistant to wilt disease.
4 Green Gram	IPM-02-03 having good biomass and more pod length
Mixed vegetable pickle	Scientifically used preservatives namely glacial acetic acid and sodium benzoate were effective
Paddy (PS-5, Pusa 1509)	Farmers realized that False smut can have detrimental effects on new crop and it causes qualitative reduction in seed hence farmers are adopting foliar spray of Azoxystrobin 11% + Tebuconazole 18.3% @ 625 ml/ha (foliar spray at ear emergence and milk stage)
(Pusa 1121/ 1509)	Amid concerns over residual toxicity of Tricyclazole in export rice Isoprothulan 40% EC (foliar spray at ear emergence) is emerging as a good alternate of above chemical

Farmers' reactions on specific technologies

S. No	Feed Back
1 Maize	Double variety has been appreciated by farmers in terms of productivity and low incidence of dieses
2 Wheat	Clodinofob + Metsulfuron is quite effective against Phalaris minor and other broad leaves weed.
3 Lentil	Farmers appreciated the performance in terms of productivity
4 Green Gram	Farmers appreciated the performance in terms of productivity
Mixed vegetable pickle	Scientifically used preservatives namely glacial acetic acid and sodium benzoate were effective
Paddy (PS-5, Pusa 1509)	Farmers appreciated the performance of demonstrated technology in terms of productivity and seed quality.
(Pusa 1121/ 1509)	Farmers appreciated the performance in terms of productivity, and satisfied with the fact that their rice can qualify for export.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	08	Feb- March 2021 and Nov-Dec 2021	107	
2	Farmers Training	09	Jan- March 2021 and June-Dec 2021	226	Including online
3	Media coverage	08		Mass	

4	Training for extension functionaries	04		82	Including online

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																		
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	Varietal Demonstration	IPM-02-03 and Basel application of Sulphur@ 25 kg/ha	IPM-02-03	32	10	8.4	5.0	7.1	5.6	21.12	24150	50055	24904	1.07:1	22715	39480	16765	1.73:1
Chickpea																		
Fieldpea																		
Lentil	Varietal Demonstration	Use of latest variety PL-08 and Basel application of Sulphur@ 25 kg/ha	PL-08	49	10.0	7.7	4.1	5.8	4.9	15.51	22356	33840	11484	1.51:1	21140	29927	8787	1.41:1
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 (disease incidence)		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 (PS-5, Pusa 1509)	IDM (False smut)	Azoxystrobin 11% + Tebuconazole 18.3% @ 625 ml/ha (foliar spray at ear emergence and milk stage)	10	4.0	41.0	33.0	40.8	33.54	14.49	5.4	17.6	43000	71731.2	28731.2	1.6:1	46000	62652.7	16652.7	1.3:1
Paddy (Pusa 1121/ 1509)	IDM (Neck blast)	Isoprothulan 40% EC (foliar spray at ear emergence)	10	4.0	40.0	32.0	37.25	33.8	12.32	7.5	16.8	43000	69583.0	26583.0	1.7:1	46000	63138.4	17138.4	1.3:1
Paddy (PS-1509)	Weed Control	Post emergence application of Pyrobisphos @250 ml/ha	15	6.0	38.3	33.5	36.74	31.70	14.5	-	-	38250	65778	21528	1.7:1	37195	56240	19.65	1.5:1
Waterlogged Situation																			
Coarse Rice																			
Scented Rice																			
Wheat	Weed control	Chemical weed control by pyrodexone@ 1 liter/ha+ Metsulphuran Mithal @20	15	6.0	54.3	44.6	51.8	44.0	15.05	31 Weed count	75 Weed count	54716	125314	70598	2.29:1	53767	109960	56193	2.04:1

		gram/ha																	
Wheat Timely sown																			
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
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																	
Mineral Mixture	Infertility problem	Management of Infertility through Mineral mixture.	27	27	27	27	**34.56**	-	-	12500	32700	20200	2.6:1	12200	24300	12100	1.9:1
Urea treated Wheat Straw	Milk Production	Impact of Urea treated wheat straw in milch animals	10	10	10	10	**35.47**	-	-	12700	32850	20150	2.5:1	12300	24450	12150	2.0:1
Green Fodder	Milk Production	Fulliment of green fodder for milch animals	20	20	20	20	**16.00**			21570	68000	46430	3.1:1	19985	52000	32015	2.6:1
Mineral Mixture	Infertility problem	Management of Infertility through Mineral mixture.	29	29	29	29	**26.00**	-	-	14770	33250	19480	2.25:1	14380	28350	13970	1.97:1
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
Post harvest technology	Food preservation	20	Self life, adoptability	Till the end of pickle/100%	Pickle deteriorated after some time.

FLD on Farm Implements and Machinery

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

FLD on Other Enterprise: Kitchen Gardening

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

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during* **2021***)*

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													
Maize	Varietal demonstration	Use of variety Decalb - 7074	10	2	48.4	42.6	44.1	33.10	17.76	34780	78425	43645	2.25:1
Vegetable crop													
Fruit crop													
Other (specify)													

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

I. 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										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (Vermi Compost)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
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	2	34	0	34	06	0	06	40	0	40
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	2	30	0	30	10	0	10	40	0	40
Disease Management	1	16	0	16	04	0	04	20	0	20
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total	**05**	**80**	**0**	**80**	**20**	**0**	**20**	**100**	**0**	**100**
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 systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management										
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	**8**	**125**	**0**	**125**	**35**	**0**	**35**	**160**	**0**	**160**

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	01	17	0	17	03	0	03	20	0	20
Resource Conservation Technologies	01	17	0	17	03	0	03	20	0	20
Cropping Systems										
Crop Diversification	01	17	0	17	03	0	03	20	0	20
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	03	40	0	40	20	0	20	60	0	60
Soil & water conservatioin										
Integrated nutrient management										
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										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
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	04	68	0	68	12	0	12	80	0	80
Poultry Management	01	16	0	16	04	0	04	20	0	20

Piggery Management										
Rabbit Management										
Animal Nutrition Management	04	62	0	62	18	0	18	80	0	80
Disease Management	02	32	0	32	08	0	08	40	0	40
Feed & fodder technology	02	30	0	30	10	0	10	40	0	40
Production of quality animal products										
Others (pl specify)										
Total	**13**	**208**	**0**	**208**	**52**	**0**	**52**	**260**	**0**	**260**
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	2		40	40					40	40
Minimization of nutrient loss in processing										
Processing and cooking	1		17	17		3	3		20	20
Gender mainstreaming through SHGs	1		18	18		2	2		20	20
Storage loss minimization techniques										
Value addition										
Women empowerment	1		20	20					20	20
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2		36	36		4	4		40	40
Others (pl specify)										
Total	**7**	**0**	**131**	**131**	**0**	**9**	**9**	**0**	**140**	**140**
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	11	160	20	180	30	10	40	190	30	220
Integrated Disease Management	02	33	0	33	07	0	07	40	0	40
Bio-control of pests and diseases	02	33	0	33	07	0	07	40	0	40
Production of bio control agents and bio pesticides	01	16	0	16	04	0	04	20	0	20
Others (pl specify)										
Total	**16**	**242**	**20**	**262**	**48**	**10**	**58**	**290**	**30**	**320**
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	**45**	**588**	**151**	**739**	**142**	**19**	**161**	**730**	**170**	**900**

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	02	33	0	33	07	0	07	40	0	40
Resource Conservation Technologies	01	16	0	16	04	0	04	20	0	20
Cropping Systems	01	17	0	17	03	0	03	20	0	20
Crop Diversification	02	32	0	32	08	0	08	40	0	40
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management	03	40	0	40	20	0	20	60	0	60
Soil & water conservatioin										
Integrated nutrient management	01	16	0	16	04	0	04	20	0	20
Production of organic inputs	01	15	0	15	05	0	05	20	0	20
Others (pl specify)	01	14	0	14	06	0	06	20	0	20
Total	**12**	**183**	**0**	**183**	**57**	**0**	**57**	**240**	**0**	**240**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										

Plant propagation techniques										
Others (pl specify)										
Total (b)										
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	6	102	0	102	18	0	18	120	0	120
Poultry Management	01	16	0	16	04	0	04	20	0	20
Piggery Management										
Rabbit Management										
Animal Nutrition Management	6	92	0	92	28	0	28	120	0	120
Disease Management	3	48	0	48	12	0	12	60	0	60
Feed & fodder technology	02	30	0	30	10	0	10	40	0	40
Production of quality animal products										
Others (pl specify)										
Total	**18**	**288**	**0**	**288**	**72**	**0**	**72**	**360**	**0**	**360**
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	2		40	40					40	40
Minimization of nutrient loss in processing										
Processing and cooking	1		17	17		3	3		20	20
Gender mainstreaming through SHGs	1		18	18		2	2		20	20
Storage loss minimization techniques										
Value addition										

Women empowerment	1		20	20					20	20
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care	2		36	36		4	4		40	40
Others (pl specify)										
Total	**7**	**0**	**131**	**131**	**0**	**9**	**9**	**0**	**140**	**140**
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection	11	160	20	180	30	10	40	190	30	220
Integrated Pest Management	02	33	0	33	07	0	07	40	0	40
Integrated Disease Management	02	33	0	33	07	0	07	40	0	40
Bio-control of pests and diseases	01	16	0	16	04	0	04	20	0	20
Production of bio control agents and bio pesticides										
Others (pl specify)	**16**	**242**	**20**	**262**	**48**	**10**	**58**	**290**	**30**	**320**
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	**53**	**713**	**151**	**864**	**177**	**19**	**196**	**890**	**170**	**1060**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	1	04	0	15	11	0	11	15	0	15
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 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										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production	02	22	0	22	08	0	08	30	0	30
Production of organic inputs	01	09	0	09	06	0	06	15	0	15
Planting material production										
Vermi-culture										
Mushroom Production	01	09	0	09	06	0	06	15	0	15
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	02	22	0	22	08	0	08	30	0	30
Small scale processing	01	09	0	09	06	0	06	15	0	15
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	01	09	0	09	06	0	06	15	0	15
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	01	13	0	13	02	0	02	15	0	15
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**09**	**93**	**0**	**93**	**42**	**0**	**42**	**135**	**0**	**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	02	22	0	22	08	0	08	30	0	30
Production of organic inputs	01	09	0	09	06	0	06	15	0	15
Planting material production										
Vermi-culture										
Mushroom Production	01	09	0	09	06	0	06	15	0	15
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and										

implements										
Value addition	02	22	0	22	08	0	08	30	0	30
Small scale processing	01	09	0	09	06	0	06	15	0	15
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	01	09	0	09	06	0	06	15	0	15
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	01	13	0	13	02	0	02	15	0	15
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**09**	**93**	**0**	**93**	**42**	**0**	**42**	**135**	**0**	**135**

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**	**15**	**03**	**21**	**03**	**0**	**03**	**18**	**03**	**21**
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL										

Training programmes for Extension Personnel including sponsored training 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	01	07	0	07	03	0	03	10	0	10
Integrated Pest Management	02	22	0	22	08	0	08	30	0	30
Integrated Nutrient management	01	10	0	10	0	0	0	10	0	10
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	02	22	0	22	08	0	08	30	0	30
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										

Women and Child care	02	22	0	22	08	0	08	30	0	30
Low cost and nutrient efficient diet designing	01	18	0	18	02	0	02	20	0	20
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	02	22	0	22	08	0	08	30	0	30
Livestock feed and fodder production	01	18	0	18	02	0	02	20	0	20
Household food security										
Any other (Organic Farming)	02	22	0	22	08	0	08	30	0	30
TOTAL	**14**	**163**	**0**	**163**	**47**	**0**	**47**	**210**	**0**	**210**

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	01	07	0	07	03	0	03	10	0	10
Integrated Pest Management	02	22	0	22	08	0	08	30	0	30
Integrated Nutrient management	01	10	0	10	0	0	0	10	0	10
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	02	22	0	22	08	0	08	30	0	30
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	02	22	0	22	08	0	08	30	0	30
Low cost and nutrient efficient diet designing	01	18	0	18	02	0	02	20	0	20
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	02	22	0	22	08	0	08	30	0	30
Livestock feed and fodder production	01	18	0	18	02	0	02	20	0	20
Household food security										
Any other (pl.specify)	02	22	0	22	08	0	08	30	0	30
TOTAL	**14**	**163**	**0**	**163**	**47**	**0**	**47**	**210**	**0**	**210**

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	**01**	**39**	**11**	**39**	**0**	**0**	**0**	**39**	**11**	**39**
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	**01**	**35**	**05**	**40**	**08**	**02**	**10**	**43**	**07**	**50**
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management	**02**	**70**	**10**	**80**	**16**	**04**	**20**	**90**	**10**	**100**

Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										
Household nutritional security	**01**	**39**	**11**	**39**	**0**	**0**	**0**	**39**	**11**	**39**
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	**05**	**183**	**36**	**219**	**24**	**06**	**30**	**207**	**42**	**249**

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	165	356	65	586
Diagnostic visits	42	195	20	257
Field Day	16	548	48	612
Group discussions	42	523	16	581
Kisan Ghosthi	09	1853	46	1908
Film Show	16	2455	188	2659
Self -help groups	82	629	116	827
Kisan Mela	08	168	29	205
Exhibition	08	156	25	189
Scientists' visit to farmers field	123	575	68	766
Plant/animal health camps	56	4523	124	4703
Farm Science Club	04	110	25	139
Ex-trainees Sammelan	10	2563	211	2784
Farmers' seminar/workshop	32	788	45	833
Method Demonstrations	01	20	5	25
Celebration of important days	02	925	115	1042
Special day celebration	03	155	18	176
Exposure visits	01	53	05	59
Others (pl. specify)	08	972	128	1108
Total	**628**	**17567**	**1297**	**18864**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	05
Extension Literature	05
News paper coverage	53
Popular articles	06
Radio Talks	03
TV Talks	05
Animal health amps (Number of animals treated)	
Others (pl. specify)	14
Total	**92**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total

	Text only	1055	275	470	32	720	210	2762
	Voice only	58	21	25	36	110	56	306
	Voice & Text both	**13**	**12**	**15**	**10**	**16**	**18**	**84**
	Total Messages	**1126**	**308**	**510**	**78**	**846**	**284**	**3152**
	Total farmers Benefitted	**1126**	**308**	**510**	**78**	**846**	**284**	**3152**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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	1	56	All crop and animals
	Lectures organized	1	56	All crop and animals
	Exhibition	1	56	All crop and animals
	Film show			
	Fair	1	83	
	Farm Visit	1	75	
	Diagnostic Practicals			
	Distribution of Literature (No.)	1	1526	
	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		110	

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-725		273.00	564000	
	Paddy	PB-1509	Basmati	130.00	810600	
Oilseeds						
Pulses						
	Pegeon Pea with stick	Pant 2001		44	91000	
Commercial crops						
Vegetables						

Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total				**447**		

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						
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
Bulandshahr	01, 18-12-2021

IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Fasal Avshesh Prabandhan	500

X. PUBLICATIONS

Category	Number
Research Paper	05
Technical bulletins	02
Technical reports	42
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 Success Story of Turmeric

Back Ground

No Commercial Cultivation of Turmeric.
Farmer's use local varieties.
Introduction of variety Pant Pritam & Vallabh Priya.
Encouragement of turmeric as an intercrop in Mango orchard.

Details of farmer

Name :Sh. Gyanendra Singh
Village :Ali pur Gijhori, Bulandshahr.
Area :4.7 ha.
Varieties :Pant Pritam, Vallabh Priya, Roma,Rashmi.
Other Activities :Establishment of Turmeric Processing plant in 2013.

Year	Area (ha)	Yield raw(qt.)	Yield Powder (qt.)	Power Rate (Rs./qt)	Gross Return (Rs Lacs)	Cost of Cultivation (Rs in Lacs)	Net Return (Rs in Lacs)
2014	0.5	105.0	17.0	9000.00	1.53	0.51	1.02
2015	2.0	430.0	77.4	9000.00	6.97	2.25	4.72
2016	3.0	655.0	121.2	7000.00	8.48	4.10	4.38
2017	3.6	760.0	140.6	8000.00	11.25	5.20	6.05
2018	3.8	810.0	150.5	8000.00	12.04	5.50	6.54
2019	4.10	860.0	165.5	8000.00	12.50	5.60	6.74

Area Under turmeric was 2.5 ha. In 2014

Case study of Maize

Back Ground

- Lack of suitable varieties for cob purposes.
- Farmer's use local varieties.
- Introduction of variety HQPM-1 & Double.
- Encouragement of suitable cob maize varieties.

Technology transfer:
Seed ra MNNNNMte:20 kg /ha
Spacing- 60 x 30 cm
NPK – 120:60:40+ 25 kg Zink
IPM Technology

Year	**Total area (ha.)**	**Area under old/ Improved varieties (ha.)**		
Kharif		Comp. var.	Double	HQPM-1
2013	31100	51 %	34 %	15 %
2014	32200	42 %	38 %	20 %
2015	34600	32 %	45 %	23 %
2016	39500	27%	48%	25%
2017	42700	23%	50%	27%
2018	50500	17%	54%	29%
2019	52000	18%	56%	31%

Area under Imp. Var. maize increased from 49 % to 83 %.

Yield /ha (Cob weight)		Net Income / ha.	
Comp. var.	HQPM-1	Comp. var.	HQPM-1
42.00	58.0	60000.00	92000.00

----------XXXXXXX----------

Success Story of Vermicompost

Name :Sh. Ashok Kumar
Village :Aulina, Bulandshahr.
Mobile No - 8755121460

Sh. Ashok Kumar holds 1.5 acre land in his village. In which 0.5 acre is under planted crop. He realized that income earned from the land is too low to earn bread for family and fulfill basic requirements of the family. He attended different trainings organized by KVK in his village. After attending technical training on vermicompost unit establishment he decided to start one in 2018. KVK supported him in all the scientific technicalities in establishing the unit. He managed to get earthworms from Ghaziabad. Established 1 bed unit in few days with his efforts. KVK scientists made frequent visit to his place. He started contacting road side nurseries in Bulandshahr to Sikandrabad road and prepared packets of 500gm, 1 kg and 2 kg. The quality of is good and thus attracted the attention of nursery growers. Now he has 42 to 45 vermicompost beds and earns Rs 10000 to 12000 per months by selling it. He extended his area of selling from Bulandshahr to Noida road side nurseries. Mr. Ashok Kumar also gives technical training of same to farmers and till date gave training to 52 farmers in which 15 farmers established their own unit for their personal use in their own vegetable fields. They also provide vermicompost to other farmers in nearby villages. Mr, Ashok is highly thankful to kvk as with money he also earend respect among line departments. He is called as a resource person on vermicompost technicals. He received 4 awards for his efforts and extension of technology.

Year	No of Beds	Yield (qt)	Gross Return (Rs)	Cost of Cultivation (Rs)	Net Return (Rs)
2019	7	7.350	44100	12000	32000
2020	45	405.0	202500	72000	130500

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	01
2	Reversible M.B. Plough	01
3	Paddy Straw Chopper/ Shradder / Mulcher	02
4	Zero Till Drill	01
5	Rotavator	
6	Tractor	
	Total	01

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	38	4535
2.	Mobilization of schools and colleges through essay completion, painting, debate etc.	04	765
3.	Demonstration conducted (ha)	60 ha	60
4.	Training Programmes conducted	06	670
5.	Exposure visits organized	01	50
6.	Field /harvest days organized		
	Total	**49/60 ha**	**6080**

b) Other IEC activities organized under CRM Project by KVKs

S. No.	Name of IEC activity	No. of activities
1.	Advertisement in Print media	35
2.	Column / Articles in newspaper and magazines etc.	25
3.	Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.)	20
4.	Poster/Banner placed	16
5.	Publicity material - leaflets/ pamphlets etc. distributed	8135
6.	TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels	03
7.	Wall writing	180
	Total	**8414**

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						
05	100	-	-	-	--	-	-	-	75	100	175	-	-	-	-	-

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
10	10			10	25	09	180	03	45

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 leveller	
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	02	24
2	Road, drain cleaning	01	11
3	Garbage disposal	03	36

4	Door to door awareness		
5	Awareness campaign	03	60
6	Nookkad Drama		
7	School Drama		
8	School rally	01	220
9	Writing paining slogans	01	45
10	Composting	02	08
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 Awards

S.No.	Name of Award received	Name of KVK/farmer	Year of Award	Date on which award received
01	District Highest productivity in organic wheat award	Sh. Jeet Singh	2021	23-12-2021
02	District Highest productivity in sugarcane based enterprises award	Sh. Rakesh Sirohi	2021	23-12-2021
03	District Highest productivity in Wheat award	Sh. Ompal Singh	2021	23-12-2021
04	Entrepreneurship Development award	Smt. Kavita Sharma	2021	23-12-2021
05	Protected cultivation award	Smt. Archana	2021	23-12-2021
06	Entrepreneurship development during lockdown	Smt Mohsina	2021	15-10-2021
07	Organic enterprises development	Sh. Ashok Kumar	2021	23-12-2021

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

Action Photograph