Krishi Vigyan Kendra, Moradabad-I

ANNUAL PROGRESS REPORT (January 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	26	520	-	520
Rural youths	06	60	-	60
Extension functionaries	10	100	-	100
Sponsored Training	-	-	-	-
Vocational Training	-	-	-	-
Total	42	680	-	680

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	25	10.00	-
Pulses	25	10.00	-
Cereals	60	18.00	-
Vegetables	-	-	
Other crops	-	-	-
Hybrid crops	-	-	-
Total	110	38.00	-
Livestock & Fisheries	-	-	-
Other enterprises	-	-	-
Total	-	-	-
Grand Total	110	38.00	-

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	-	04	20
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	04	20
Technology Refined	-	-	-
Crops	-	-	-
Livestock	-	-	-
Various enterprises	-	-	-
Total	-	-	-
Grand Total	-	04	20

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	615	8661
Other extension activities	53	53
Total	668	8714

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	33	-	05	02	10	-	50
	Voice only	24	05	12	02	07	-	50
	Voice & Text both	22	02	05	02	10	06	47
	Total Messages	79	07	22	06	27	06	147
	Total farmers Benefitted	**2278**	**52**	**240**	**125**	**920**	**70**	**3615**

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	620.30	-
Planting material (No.)	200	3000.00
Bio-Products (kg)	-	-
Livestock Production (No.)	-	-
Fishery production (No.)	-	-

7. Soil, water & plant Analysis

Samples		No. of Beneficiaries	Value Rs.
Soil	90	90	18000.00
Water	-	-	-
Plant	-	-	-
Total	**90**	**90**	**18000.00**

8. HRD and Publications

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

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
	Office	FAX	moradabadkvk@gmail.com
Krishi Vigyan Kendra Rustam Nagar, Bilari, Moardabad - I (U.P.) - 202411			

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

Address	Telephone		E mail
	Office	FAX	
S.V.P.U. Agri. & Tech., Meerut (U.P.) - 250110	-	-	-

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. R.K.Singh		9412809032	moradabadkvk@gmail.com

1.4. Year of sanction: **2004**

1.5. Staff Position (as on 31st December, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Design-ation	Subject	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Perman-ent /Temp-orary	Category (SC/ST/ OBC/ Others)	Mobile no.	Age	Email id
1	Programme Coordinator	Dr. R.K. Singh	Professor & Head.	Agrl.Extn.	37400-6700	193800	14-10-2010	Permanent	OBC	9412809032	57	moradabadkvk@gmail.com
2	Subject Matter Specialist	Dr. Hasan Tanveer	SMS/ Asst. Prof.	Plant Breeding	15600-39100	87300	23-06-2008	Permanent	GEN	9369156642	51	htshahi@yahoo.com
3	Subject Matter Specialist	Dr. Mohan Singh	SMS/ Asst. Prof.	Soil Science	15600-39100	98200	25-06-2008	Permanent	OBC	9457802593	50	drmsinghkvk@gmail.com
4	Subject Matter Specialist	Vacant.		Plant protection	-	-	-	-	-	-	-	-
5	Subject Matter Specialist	Vacant.		Agronomy	-	-	-	-	-	-	--	-
6	Subject Matter Specialist	-		Horticulture	-	-	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant.		Animal Science	-	-	-	-	-	-		-
8	Programme Assistant	Vacant.		-	-	-	-	-	-	-	-	-
9	Computer Programmer	Vacant.		-	-	-	-	-	-	-	-	-
10	Farm Manager	Dr. Hambir Singh	Farm Manager	Plant Breed	44900-142400	55200	18-08-2007	Permanent	OBC	9759173168	54	
11	Accountant / Superintendent	Sri. Sanjay Kumar Sharma	OS/ Accountant	Accounts	47600-151100	70000	18-09-2000	Permanent		9412650468	51	sksharmakvk@gmail.com
12	Stenographer	Sri. Ajay Tomar	Stenographer/ computer op.	-	29200-92300	41600	30-07-2007	Permanent	GEN	8171960800	41	ajaytomarmbd@gmail.com
13	Driver	Sh. Amrish kumar Sharma	Driver		29200-92300	45400	01.07.1998	Permanent	GEN	9997889985	48	
14	Driver	Vacant	-	-	-	-	-	-	-	-	-	-
15	Supporting staff	Vacant	-	-	-	-	-	-	-	-	-	-
16	Supporting staff	Sri Sarvesh Kumar	Attendant		19900-63200	28400	27-02-2008	Permanent	OBC	9760866548	41	

1.6. Total land with KVK (in ha) : 17.5ha

S. No.	Item	Area (ha)
1	Under Buildings	3.0984
2.	Under Demonstration Units	0.0016
3.	Under Crops	13.200
4.	Orchard/Agro-forestry	1.200
5.	Others (specify)	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		510				Completed
2.	Farmers Hostel	ICAR		300				-do-
3.	Staff Quarters (6)	ICAR		431				-do-
4.	Demonstration Units (2)	ICAR		160				-do-
5	Fencing	ICAR		2000 R/M				-do-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	ICAR		300				-do-
8	Farm godown	ICAR		60				-do-
9	Irrigation channel	ICAR		1000 RM				

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.in lakh)	Total kms. Run	Present status
Tractor	2021	6.56	150 hours	Good condition
Bolero Jeep	2007	4.59	182784	Condemn
Motor cycle	2008	0.52	38371	Good condition
Tractor	2005	3.45	3919.4 hours	Transferred to KVK, Amroha

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
L.C.D. Projector	2007	57000.00	Good condition
Hand Rotary Fan	2006	1161.00	Good condition
Trailer for Tractor	2006	64524.00	Good condition

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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	04/12/2020	1.Dr S.K Sachan, Director and Chairman,SAC 2.Dr R.K Singh,Head/Secretary SAC 3.Dr. Satya Praksh, Professor & Head- Horticulture 4. Dr. D.K Singh, Professor & Head- LPM 5. Dr P.K Singh,Asso.Director Ext. 6. Shri N.L Gangwar, BSA, Moradabad 7.Dr. Ajay Singh, DCO, Moradabad 8.Shri Deepak Mendhiratta, Member Farmer 9.Shri Rajpal Singh, Member Farner 10.Smt. Rubal Todi, Member Farm woman 11. Smt. Sarvesh, Member Farm woman 12.Shri C L Yadav, DD Agriculture, Moradabad 13.Miss. Ritusha Tewari, DAO Moradabad 14.Dr.Manmohan Panday, Dy. CVO Moradabad 15. Shri. Raj Kumar Gupta, CEO (Fisheries) Moradabad 16. Shri. Yash Veer Singh, Field Manager, IFFCO 17.Dr Sukhdev Singh,Prof.(Agro-forestry) 18.Dr HasanTanveer,SMS/Asst.Prof.(Pl.Breeding) 19.Dr Mohan Singh,SMS/Asst.Prof.(Soil Science) 20. Dr. Ravindra Kumar Assoc.Director & OIC, KVK, Th. 21. Dr. Manoj Singh, SMS/Asst.Prof.(Animal Science) 22.Dr Hamveer Singh, FM 23.Dr Devendra Pal, FM KVK, Sambhal 24.Shri Munesh Kumar,Progressive Farmer. 25.Smt. Gargi Rani,Chair Person,NRLM SelfHelp Group 26.Shri Ajay Tomar, Steno. KVK, Bilari 27. Shri G.D Devrani, Accountant , KVK, Th. 28. Shri Sanjay Sharma, Accountant , KVK, Bilari 29.Shri Chitraraj Singh, Progressive Farmer 30.Shri Karan Singh, Progressive Farmer	i. y{; dk fu/kkZj.k Hkk0d`0vuq0ifj0 }kjk fu/kkZfjr y{; ds vuqlkj fd;k tk;sA	lq>ko ds vuq:i dk;Zokgh dh x;hA
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			iii izFke ifDr iznZ"ku esa xktj dh uohure iztkfr dk iznZ"ku vk;ksftr djk;k tk;sA	m|ku@d`f'k okfudh ,l0,e0,l0 dh fu;qfDr gksus ij y{; iwjk fd;k tk;sxkA
			iv epku fof/k ls lCth mRiknu ij izf"k{k.k vk;ksftr djk;k tk;sA	m|ku@d`f'k okfudh ,l0,e0,l0 dh fu;qfDr gksus ij y{; iwjk fd;k tk;sxkA
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			i. d`f'k foKku dsUnz dks thi miyC/k djk;h tk;sA	vkj0ds0oh0okbZ0 ds vUrZxr izLrko "kklu dks izsf'kr fd;k x;k Fkk] fdUrq Lohd`fr izkIr ugh gq;hA

2. DETAILS OF DISTRICT (31st December, 2021)

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

S. No	Farming system/enterprise
1.	**Major crops –** Paddy, Wheat, Mustard, Sugarcane, Mentha, Lentil, Potato. **Crop rotation–** Rice-Sugarcane, Rice- Wheat, Urd-Mustard-Mentha, Jowar-Mustard-Mentha Agriculture + Hort. + Livestock Agri. + Livestock Landless + Livestock

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

S. No	Agro-climatic Zone	Characteristics
1.	Western Plain Zone	The Zone is fertile region with sand and clayey soil and receives 700-1000 mm annual rainfall.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Clay loam	The soil particles of clay are very small.	81930
2	Sandy soil	This soil is light, warm, dry and tend to be acid & low in nutrient.	25537
3	Sandy loam	Sandy loam soil have visible particles of send mixed in to the soil. Sandy loam soils have a high concentration of sand that gives them a gritty feel.	84518
4	Loam soil	Loam soil generally contain more nutrients, moisture and humus than sandy soil, have better drainage in infiltration of water and air.	126433

	Total		317919

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Wheat	125107	471153	37-66
2.	Lentil	527	580	11-00
3.	Mustard /Toria	2469	3217	13-03
4.	Paddy (Rice)	98140	316011	32-20
5.	Bajra	3666	6027	16-44
6.	Urd	3928	4580	11-66
7.	Sugarcane	76557	5937761	775-36 ¼2020&21½

2.5. Weather data

Month	**Rainfall (mm) Year 2021**	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Jan	64.0	-	-	-
Feb	28.0	-	-	-
March	21.0	-	-	-
April	10.02	-	-	-
May	10.5	-	-	-
June	14.3	-	-	-
July	3.7	-	-	-
Aug	686.6	-	-	-
Sept.	229.8	-	-	-
Oct.	-	-	-	-
Nov.	-	-	-	-
Dec.	-	-	-	-
Total rainfall	1067.92	-	-	-
Average rainfall	88.99	-	-	-

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

Category	Population	Production	Productivity
Cattle			
Crossbred	**11824**	**Data not available**	**Data not available**
Indigenous	**58421**		
Buffalo	**240704**		
Sheep			
Crossbred	**220**		
Indigenous	**40082**		
Goats	**208768**		
Pigs	**11195**		
Crossbred	**3165**		
Indigenous	**27159**		

Rabbits	**-**		
Poultry			
Hens	-		
Desi	**-**		
Improved	**-**		
Ducks	**-**		
Turkey and others			

Category	Area	Production	Productivity
Fish	**172**	**5051**	**29.36**
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.7 Details of Operational area / Villages (31st December, 2021)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Fattepur Natha	Bilari	Fattepur Natha	Paddy, Wheat, Sugarcane ,Mentha, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc.	Diversification in agriculture Lack of high yielding varieties
2	Shari Ladda	Bilari	Shari Ladda	Paddy, Wheat, Sugarcane Mentha, Mustard, Poplar, Dairy	Low Productivity of paddy, wheat, mustard, urd etc.	Diversification in agriculture Lack of high yielding varieties.
3	Khanpur	Bilari	Khanpur	Paddy, Wheat, Sugarcane ,Mentha, Mustard, Dairy, Chilli, bottle guard, colocacia	Poor milk production and infertility in animals.Lack of knowledge of quality planting material and production technology in horticultural crops. Low yield of paddy, wheat, mentha & mustard	Diversification in Agriculture.Use of improved variety and IPM, ICM. Heavy infestation of weeds.

2.8 Priority/thrust areas

S. N.	Crop/ Enterprise	Thrust area
	Rice/Wheat	Integrated plant nutrient management in rice -wheat cropping.
	Rice/Wheat	Integrated weed management in rice -wheat cropping
	Pulses	Enhancing the area under Kharif & Rabi pulses
	Oil seeds	Enhancing the area under Kharif & Rabi oil seeds.
	Cereals/Pulses/ Oil seeds	IPM in crops
	Cereals/Pulses/ Oil seeds	Promotion of new released varieties.

	Seed production	Promotion of seed production in different crops.
	Mango	Rejuvenation of old mango orchards
	Guava	Management of Guava orchards.
	Vegetables	Promotion of organic farming in vegetables.
	Floriculture	Promotion of income generating crops.
	Bee-keeping	Popularization of Bee-keeping
	Vermi compost	Popularization of Vermi composting

2.9 Intervention/ Programmes for the doubling the farmers income –(Jan 2021-Dec. 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 alone	-	-	-	-	-	-	-
Wheat	52.05	-		51500.00	44272.00	1:1.86	-

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 +Mustard	-	12.5	-	24350.00	44400.00	1:2.82	-
Wheat+Mentha	Wheat – 40	Mentha – 90kg oil/ha.		50500+32000=82500.00	26500+60000=86500.00	1:2.56	-

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Note- Same format may be used for OFT.

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities by KVK during 2021

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
12	04	62	20	54.4	18.0	159	60
				30.0	20.0	75	50 (CFLD)

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	91	26	1820	520	438	668	4000	8714
Rural youth	13	06	130	60				
Extn. Functionaries	33	10	330	100				

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
200	620.30	-	20000	200	04

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	Paddy	Assessment of different doses of fertilizers on the soil test basis. 125:64:51:25:20 N:P:K: Zn:$FeSO_4$ Kg/ha.	01	05
	Wheat	Assessment of different doses of fertilizers on the soil test basis. 153:61:52:25. N:P:K & Zn Kg/ha	01	05
Varietal Evaluation	Paddy	Evaluation of improved variety of Paddy (PR-126)	01	05
	Wheat	Evaluation of improved variety of wheat under late sown condition.(DBW-90)	01	05
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				
Post Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total			**04**	**20**

Summary of technologies assessed under livestock by KVKs

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

Summary of technologies assessed under various enterprises by KVKs

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

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

INTEGRATED NUTRIENT MANAGEMENT

OFT - 1 *(Rabi 2020-21)*

Problem definition	Lower productivity and profitability in wheat cultivation due to imbalance application of nutrients .
Technology assessed or refined	Application of Phosphorus & MOP fertilizer on soil test basis.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on high yielding varieties of wheat under Timely sown condition on soil test basis.

Table : Performance of wheat.

Technology Option	No.of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice 150:75:40:0:0 N:P:K & Zn Kg/ha. (HD - 2967)	05	42.30	-	46412.00	1:2.28
T_2 – 150:68:46:20. N:P:K & Zn 25 Kg/ha		49.20	16.54	59930.00	1:2.66
Recommendation	The data given in table shows that T_2 (Use of Phosphorus & MOP 150:68:46:20 N:P:K & Zn 25 Kg/ha) is found best for proper nutrient. This treatment is able to increase the crop production in comparison to T_1.				
Farmers reactions	Application of Phosphorus & MOP 150:68:46:20 N:P:K & Zn 25 Kg/ha is very effective to enhancing in wheat yield.				
Date of Sowing & harvesting	20-25 Nov. 2020 & 15-20 April 2021				

gVsxhA

OFT - 2

VARIETAL EVALUATION
(Rabi 2021-22)

Problem definition	Low yield of wheat under late sown condition and use of old variety.
Technology assessed or refined	Evaluation of improved variety of wheat under late sown condition.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on improved variety of wheat under late sown condition.

Table : Performance of Wheat.

Technology Option	No.of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice PBW - 373	05	33.5	-	20200	1:1.42
T_2 – DBW 90		36.75	9.70	25650	1:1.53

Recommendation	The data showed in table that T_2 (***DBW - 90)*** is more suitable in relation to yield as compared to T_1. KVK recommend to the farmers of Moradabad area to use DBW – 90 for late sown condition
Farmers reactions	Use of DBW – 90 variety is good for late sown condition.
Date of Sowing & harvesting	05-08 Dec., 2021 & 15-17 April, 2022.

Rate – Rs. 2015/q.

OFT - 3

VARIETAL EVALUATION
(Kharif 2021)

Problem definition	Low yield and use of old variety.
Technology assessed or refined	Evaluation of high yielding variety of paddy under rice-wheat system of cultivation.
No. of Farmers	05

KVK, Moradabad conducted on-farm trial on high yielding variety of paddy under rice-wheat system of cultivation. The result showed that PR - 126 gave higher yield 54.5 q/ha. with net return (Rs.55930/- per ha.).

Technology Option	No.of trials	Yield (Kg/ha)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice PD-24	05	48.75	-	46075	1:1.95
T_2 – PR - 126		54.5	11.79	55930	1:2.12

Recommendation	The data shown in table that T_2 (PR – 126) was higher grain yielder as compare to farmers practice. and recommending that PD-24 variety of paddy may be replace by the variety PR-126.
Farmers reactions	Use of PR-126 variety of paddy is more beneficial than other variety.
Date of nursery sowing & harvesting	15-17 June 2021 & 10-12 Oct. 2021

OFT - 4

INTEGRATED NUTRIENT MANAGEMENT
(Kharif 2021)

Problem definition	Low yield of paddy due to imbalance use of fertilizers.
Technology assessed or refined	Assessment of different doses of fertilizers on the soil test basis.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on different doses of fertilizers on the basis of soil test in paddy.

Table : Performance of paddy.

Technology Option	No.of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice 120:60:40:20 N:P:K & Zn Kg/ha. (PB - 1509)	05	42.82	-	74016	1:2.18
T_2 – Soil test bases 125:64:51:25:20 N:P:K: Zn:$FeSO_4$ Kg/ha.		48.95	14.07	90470	1:2.94

Recommendation	The data showed in table that T_2 (Use of fertilizer on ***soil test basis)*** in paddy crop. T_2 is found best for proper nutrient. This treatment is able to increase the crop production as compared to T_1.
Farmers reactions	Application of fertilizers on the basis of soil testing increase the yield in paddy crop.
Date of Sowing & harvesting	07-10 July. 2021 and 28-31 Oct. 2021

OFT - 5

INTEGRATED NUTRIENT MANAGEMENT
(Rabi 2021-22)

Problem definition	Low yield of wheat due to imbalance use of fertilizers.
Technology assessed or refined	Assessment of different doses of fertilizers on the soil test basis.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on high yielding variety of wheat on soil test basis.

Table : Performance of wheat.

Technology Option	No.of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice 150:75:40:0 N:P:K & Zn Kg/ha. (HD - 2967)	05	42.25		49443	1:2.38
T_2 – 153:61:52:25. N:P:K & Zn Kg/ha		49.35	16.80	61950	1:2.65

Recommendation	The data given in table shows that T_2 (Use of Phosphorus & MOP 153:61:52:25 N:P:K & Zn 25 Kg/ha) is found best for proper nutrient. This treatment is able to increase the crop production in comparison to T_1.
Farmers reactions	Application of Phosphorus & MOP 153:61:52:25 N:P:K & Zn 25 Kg/ha is very effective to enhancing in wheat yield.
Date of Sowing & harvesting	18-21 Nov. 2021 12-18 April, 2022

OFT - 6

VARIETAL EVALUATION
(Rabi 2021-22)

Problem definition	Low yield of wheat under late sown condition and use of old variety.
Technology assessed or refined	Evaluation of improved variety of wheat under late sown condition.
No. of Farmers	05

KVK, Moradabad conducted on-farm trials on improved variety of wheat under late sown condition.

Table : Performance of Wheat.

Technology Option	No.of trials	Yield (q/ha.)	Increase in yield (%)	Net Return (Rs./ha)	B:C Ratio
T_1 – Farmers practice PBW - 373	05				
T_2 – DBW - 90					

Recommendation	
Farmers reactions	
Date of Sowing & harvesting	5-8 Dec - 2021

Result awaited.

II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2020 and recommended for large scale adoption in the district.

S. N.	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	Paddy	INM	Use of water soluble fertilizer 18:18:18 NPK @ 12.5 Kg/ha. (Three spray)	Through training prog., Gosthi, Electronic & Print media, Kisan Mela	15	30	15
2	Wheat	Weed management	Use of Sulfo-Sulfuron 75WP @ 33 gm/ha.	Through training prog., Gosthi, Electronic & Print media, Kisan Mela	200	1000	900
3	Wheat	INM	Use of water soluble fertilizers in wheat crop 18:18:18 NPK @ 12.5 Kg/ha. (Three spray).	Through training prog., Gosthi , Field day, Electronic & Print media, Kisan Mela	80	1700	650
4	Wheat	Promotion of high yielding variety.	To demonstrate the yield potential of new variety –PBW-725	Through training prog., Gosthi , Electronic & Print media, Kisan Mela	50	200 b	120
5	Wheat.	Promotion of improved variety	To demonstrate the yield potential of wheat variety under late sown condition Variety – DBW-71	Through training prog., Gosthi , Electronic & Print media, Kisan Mela	20	50	20

b. Details of FLDs implemented during 2021

Front Line Demonstration on pulses under NFSM
FLD - 1
Lentil (Rabi 2020-21)

S. N.	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	Lentil	- ICM	- ICM through improved seed@ 40/ha - Sulpher @30/ha - Rhizobium culture@200gm/10kg seed	Rabi 2020-21	20.0	20.0	09	41	50	N.A.

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					
Lentil	Rabi 2020-21	Irrigated	Loam	Medium	Low	Medium	Paddy/Bajra	02-08 Nov. 2020	01-06 April, 2021	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Lentil	- ICM	ICM through improved seed	L - 4717	50	20.0	12.45	11.52	12.15	9.9	22.72	23580	85050	61470	1:3.60	22890	69300	46410	1:3.02

gVsxhA

a. Technical feedback

1	Uniform maturity & bold grain.
2	Increase the grain yield due to improved & HYV (L- 4717)

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers have give positive response about variety L- 4717 variety of lentil is higher grain yield as compare to local traditional variety.
2	No incidence of blight.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1	Field Day	-	-	
2.	Farmers Training	01	20	
3	Media coverage	02	mass	

FLD - 2
Urdbean (Kharif 2021)

S. N.	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	Urdbean	- ICM	- ICM through improved seed@15kg/ha - Sulphour@30kg/ha - Imidaclorpid@1lit/ha - Rizobium culture@200gm/10kg seed - Imazathyper 10 EC @ 625 ml/ha.	Kharif 2021	10.0	10.0	03	22	25	N.A.

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					
Urdbean	Kharif 2021	Irrigated	Loam	Medium	Low	Medium	Wheat	31 July., 2021 to 03 Aug.,2021	08-13 Nov, 2021	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Urdbean	- ICM	ICM through improved seed	Indra -1	25	10.0	10.35	9.32	10.32	7.50	37.33	19885	72100	52215	3.62	17980	52500	34520	2.92

a. Technical feedback

1	Uniform maturity & bold grain.
2	Increase the grain yield due to improved & certified variety (Indra – 1)
3	Timely application of insecticide (Imidaclorpid 17.8 SL).
4	No incidence of pod borer due to timely application of insecticide (Imidaclorpid 17.8SL).
5	Very low number of weeds due to timely spraying of Imazathyper 10 EC @ 250 ml/demo.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers gave positive response about variety Indra – 1is higher grain yield as compared to local variety Alankar.
2	Uniform & short day maturity (75-95 days).
3	Low incidence of yellow Mosaic.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1	Field Day	-	-	
2.	Farmers Training	01	20	
3	Media coverage	02	mass	

FLD - 3
Mustard (Rabi 2021-22)

S. N.	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	Mustard	- ICM	- ICM through improved seed	Rabi 2021-22	10.0	10.0	02	23	25	N.A.

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					
Mustard	Rabi 2021-22	Irrigated	Loam	Medium	Low	Medium	Paddy/Bajra	11-13 Oct. 2021	25-28 march 2022	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Mustard	- ICM	ICM through improved seed	R H -749	25	10.0	18.91	16.39	18.17	14.85	22.35	24413	109020	85607	4.65	21520	89100	67580	4.14

Sale rate – Rs. 6000.00 per quintal

a . Technical feedback

1	RH - 749 is a bold seeded & high yielding variety with good oil content 39%.
2	Grain yield has been increased due to timely sowing & no incidence of Aphids.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are agree to mustard variety RH - 749 is good & high yielding variety.
2	Farmers are convinced to no incidence of aphids due to timely sowing.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1	Farmers Training	03	60	
2.	Field day	01	39	
3.	Media coverage	01	mass	

Front Line Demonstration on other than oil seeds & pulses

FLD - 1
Crop production: Wheat

S. N.	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	Wheat	Weed management	Use of Sulfo-Sulfuron 75WP @ 33 gm/ha.	Rabi 2020-21	4.0	4.0	-	10	10	N.A.

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					
Wheat	Rabi 2020-21	Irrigated	Loam	Medium	Low	Medium	Paddy/Urd	16-18 Dec. 2020	17-19 April.2021	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	WM	Use of Sulfo-Sulfuron 75WP @ 33 gm/ha. .	PBW-725	10	4.0	45.5	41.75	43.8	41.0	6.59	36436	88935	52505	1:2.44	34667	78925	44257	1:2.27

a.Technical feedback

1	Sulfo Sulfuron 75 WP is more effective to weed control over to control plot up to 91.30%.
2	Due to timely management of weed, the grain yield has been increased up to 6.58% over to control.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Farmers are convinced the grain yield has been increased due to timely weed management.
2	Minimized the weed infestation.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1	Field Day	-	-	
2.	Farmers Training	01	20	

FLD - 2
Soil Science : Wheat

S. N.	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	Wheat	INM	Use of water soluble fertilizers in wheat crop	Rabi 2020-21	6.0	6.0	04	11	15	

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					
Wheat	Rabi 2020-21	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	25.11.20 to 28.11.20	10.04.21 to 15.04.21	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	INM.	Use of water soluble fertilizers in wheat crop	HD - 2967	15	6.0	49.41	48.29	48.92	40.80	19.90	37180	96617	59437	1:2.59	36118	80580	44462	1:2.23

Sale rate – Rs. 1975 per quintal

gVsxhA

a. Technical feedback

S. No	Feed Back
1	Spray of water soluble fertilizer 18:18:18 NPK @ 12.5 Kg/ha. at tillering stage, before flowering & milk stage enhance crop yield.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Three spray of water soluble fertilizer 18:18:18 NPK is very effective to enhance the yield of wheat crop.
2	This technology save the cost of cultivation i.e. Fertilizers.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Media coverage	01	mass	

FLD - 3
Soil Science : Paddy

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Paddy	INM	Use of water soluble fertilizers in Paddy crop	Kharif 2021	6.0	6.0	01	14	15	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif 2021	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Wheat	05-07 July 2021	27-31 Oct. 2021	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Paddy	INM.	Use of water soluble fertilizers in paddy crop 19:19:19@12.5 kg/-ha	PB - 1509	15	6.0	48.94	47.51	48.92	42.85	14.16	47980	136976	88996	1:2.85	46350	119980	73630	1:2.58

FLD - 4

Soil Science : Sugarcane

S. N.	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	S.cane	INM	Nutrient management through water soluble fertilizers (18:18:18) N:P:K in S.cane @ 13.75 Kg/ha .	Zaid 2022	6.0	6.0	02	13	15	-

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					
S.cane	Zaid 2020	Irrigated	Sandy loam and loam	Medium	Medium	Low	Wheat	09-20 Feb. 2020	20-28 March. 2021	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S.cane	INM	Nutrient management through water soluble fertilizers (18:18:18) N:P:K in S.cane @ 13.75 Kg/ha .	Cos - 0238	15	6.0	962.10	755.20	958.44	790.50	21.24	85980	311493	225513	1:3.62	84810	256912	172102	1:3.02

Selling rate – Rs. 325/ per quintal

FLD - 5
Soil science : Sugarcane

S. N.	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	S.cane	INM	- Nutrient management through Sulphur @ 30 Kg/ha. in S.cane	Zaid 2020	6.0	6.0	-	15	15	-

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					
S.cane	Zaid 2020	Irrigated	Sandy loam and loam	Medium	Medium	Low	Wheat	08-21 Feb. 2020	18-28 March. 2021	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S.cane	INM	Nutrient management through Sulphur @ 30 Kg/ha. in S.cane	Cos-0238	15	6.0	9.62	7.82	958.86	789.80	21.40	85550	311630	226380	1:3.64	83750	226685	72935	1:3.06

Selling rate – Rs. 325 per quintal

FLD - 6
Soil Science : Wheat

S. N.	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	Wheat	INM	Use of water soluble fertilizers in wheat crop	Rabi 2021-22	6.0	6.0	0	15	15	-

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					
Wheat	Rabi 2021-22	Irrigated	Sandy loam and loam	Medium	Medium	Medium	Paddy	18-22 Nov. 2021	12.4.22 to 16.4.22	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	INM.	Use of water soluble fertilizers in wheat crop	HD-2967	15	6.0	49.95	48.85	49.38	41.95	17.71	37575	99500	61925	1:2.64	35690	84529	48839	1:2.36

Selling rate – Rs. 2015.00 per quintal

a. Technical feedback

S. No	Feed Back
1	Spray of water soluble fertilizer 19:19:19 NPK @ 12.5 Kg/ha. at tillering stage, before flowering & milk stage enhance crop yield.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Three spray of water soluble fertilizer 19:19:19 NPK is very effective to enhance the yield of wheat crop.
2	This technology save the cost of cultivation i.e. Fertilizers.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Media coverage	01	mass	

FLD - 4

Soil Science : Sugarcane

S. N.	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	S.cane	INM	Nutrient management through water soluble fertilizers (19:19:19) N:P:K in S.cane @ 13.75 Kg/ha .	Zaid 2022	6.0	6.0	00	15	15	-

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					
S.cane	Zaid 2022	Irrigated	Sandy loam and loam	Medium	Medium	Low	Wheat	03 to 07 March. 2022	-	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S.cane	INM	Nutrient management through water soluble fertilizers (19:19:19) N:P:K in S.cane @ 13.75 Kg/ha .	Cos - 0238	15	6.0													

Result awaited

FLD - 5
Soil science : Sugarcane

S. N.	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	S.cane	INM	- Nutrient management through Sulphur @ 30 Kg/ha. in S.cane	Zaid 2022	6.0	6.0	-	15	15	-

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					
S.cane	Zaid 2020	Irrigated	Sandy loam and loam	Medium	Medium	Low	Wheat	24-28 Feb. 2022	-	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S.cane	INM	Nutrient management through Sulphur @ 30 Kg/ha. in S.cane	Cos-0238	15														

Result awaited

FLD - 7

Plant Breeding: Wheat

S. N.	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	Wheat	Promoting high yielding variety of wheat	To demonstrate the yield potential of new variety –DBW - 222	Rabi 2021-22	2.0	2.0	01	09	10	N.A.

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					
Wheat	Rabi 2021-22	Irrigated	Sandy loam and loam	Low	Medium	Medium	Paddy	17-11-21 to 21-11-21	10-13 April 2022	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	Promoting high yielding variety of wheat	To demonstrate the yield potential of new variety. .	DBW -222	10	2.0	42.5	36.5	41.5	37.5	10.66	49500	83622	34122	1:1.68	48600	75552	26962	1:1.55

Sale rate – Rs. 2015 per quintal

a.Technical feedback

1	Use of quality seed and new improved variety is essential.
2	Increase production requires timely sowing.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Variety DBW - 222 is higher yielder as compared to variety PBW - 550.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Media coverage	-	-	

FLD - 8

Plant Breeding: Wheat

S. N.	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	Wheat	Promoting improved variety of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition Variety – DBW - 173	Rabi 2021-2022	2.0	2.0	-	10	10	N.A.

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					
Wheat	Rabi 2021-22	Irrigated	Sandy loam	Low	Medium	Medium	Paddy	03.12.2021 to 07.12.2021	10-13 April 2022	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	Promoting HYV of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition.	DBW - 173	10	2.0	40.0	30.0	38.5	34.0	13.23	48400	77577	29177	1:1.60	47300	68510	21210	1:1.44

Sale rate – Rs. 2015 per quintal

a. Technical feedback

1	Use of new improved variety and quality seed is essential.
2	Use of recommended variety under late sown condition.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Variety DBW - 173 is higher grain yielder as compared to variety PBW - 502.
2	Variety DBW - 173 is good under late sown condition.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organized	No. of participants	Remarks
1.	Farmers Training	02	40	
2.	Field day	-	-	

41

50

FLD No. : 9

Plant Breeding : Paddy

S. N.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Paddy	Varietal demonstration under Rice-wheat system	To demonstrate the yield potential of Basmati rice under Rice-wheat system of cultivation	Kharif 2021	2.0	2.0	-	10	10	N.A.

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Paddy	Kharif 2021	Irrigated	loam and Sandy loam	Low	Low	Medium	Wheat	10-12 July, 2021	23-25 Oct., 2021	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Paddy	Vareital demonstration under Rice-wheat system	To demonstrate the yield potential of Basmati rice under Rice-wheat system of cultivation	Pusa basmati-1637	10	2.0	35.5	39.5	37.5	32.5	15.38	54300	108750	54450	1:2.00	53500	100750	47250	1:1.88

Selling rate –Pusa basmati 1121 Rs. 3000 per quintal, Pusa basmati 1637 Rs. 2900 per quintal

a. Technical feedback

S.No	Feed Back
1	Use of quality seed and improved variety is essential to get higher production.

b. Farmers reaction on specific technologies

S. N.	Feedback
1	Variety Pusa basmati 1637 is higher grain yielder as compared to Pusa Basmati - 1121.
2	Variety Pusa basmati 1637 is having good yield potential.

c. Extension and Training activities under FLD

S.No.	Activity	No. of activity organised	No. of participants	Remarks
1.	Farmers Training	01	20	
2.	Training for extension functionaries	01	10	
3.	Field Day	-	-	

FLD - 10

Plant Breeding: Wheat

S. N.	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	Wheat	Promoting improved variety of wheat under late sown condition	To demonstrate the yield potential of new wheat variety under timely sown condition Variety – DBW - 222	Rabi 2021-2022	2.0	2.0	-	10	10	N.A.

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					
Wheat	Rabi 2021-22	Irrigated	Sandy loam	Low	Medium	Medium	Paddy	17.11.2021 to 21.11.2021	-	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	Promoting HYV of wheat under timely sown condition	To demonstrate the yield potential of new wheat variety under timely sown condition.	DBW - 222															

Result awaited

FLD - 11

Plant Breeding: Wheat

S. N.	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	Wheat	Promoting improved variety of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition Variety – DBW - 173	Rabi 2021-2022	2.0	2.0	01	09	10	N.A.

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					
Wheat	Rabi 2021-22	Irrigated	Sandy loam	Low	Medium	Medium	Paddy	03.12.2021 to 07.12.2021	-	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Wheat	Promoting HYV of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition.	DBW - 173															

Result awaited

FLD - 12

Agro forestry : Poplar

S. N.	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	Poplar	Varietal evaluation	Fast & improved clone of poplar G-48	Zaid 2020	0.4	0.1	-	01	01	-

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					
Poplar	Zaid 2020	Irrigated	Sandy loam and loam	Medium	Medium	Low	Paddy	28 Feb. 2020	-	-	-

Performance of FLD

Crop	Thematic Area	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	Demo. Yield q/ha			Yield of local Check q./ha	Increase in yield (%)	Economics of demonstration (Rs./ha.)				Economics of check (Rs./ha.)			
						H	L	A			Gross Cost	Gross Return	Net return	BCR (R/C)	Gross Cost	Gross Return	Net return	BCR (R/C)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Poplar	VE	Fast & improved clone of poplar	G-48	01	0.1													

Result awaited

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	ICM	Improved seed , sulpher@30kg/ha	RH-749	25	10.0													
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																		
	- ICM	ICM through improved seed	Indra-1	25	10.0	10.35	9.32	10.32	7.50	37.33	19885	72100	52215	1:3.62	17980	52500	34520	1:2.92
Greengram																		
Chickpea																		
Fieldpea																		
Lentil																		
	ICM	ICM Through improved seed	L-4717	50	20	12.45	11.52	12.15	9.90	22.72	23580	85050	61470	1:3.60	22890	69300	46410	1:3.02
Horsegram																		

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

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)				% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check											
					High	Low	Average			Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cereals																			
Paddy																			
	INM.	Use of water soluble fertilizers in paddy crop 19:19:19@12.5 kg/-ha	15	6.0	48.8	47.9	48.88	42.80	14.20	72.82(No of grains/panicle	58.46(No of grains/panicle)	46250	87984	41734	1:1.90	45715	77040	31325	1:1.68
Waterlogged Situation																			
Coarse Rice																			
	INM.	Use of water soluble fertilizers in paddy crop 19:19:19@12.5 kg/-ha	15	6.0	48.94	47.51	48.92	42.85	14.16	-	-	47980	136976	88996	1:2.85	46350	119980	73630	1:2.58
Scented Rice																			
	Varietal demonstration	To demonstrate the yield potential of basmati rice	10	2.0	35.5	39.5	37.5	32.5	15.38	218 Tillers per sqmt.	188 Tillers per sqmt	54300	108750	54450	1:2.00	53500	100750	47250	1:1.88
Wheat	INM.	Use of water soluble fertilizers in wheat crop	15	6.0	49.41	48.29	48.92	40.80	19.90	-	-	37180	96617	59437	1:2.59	36118	80580	44462	1:2.23
Wheat Timely sown																			

	Weed management	Use of Sulfo-Sulfuron 75WP @ 33 gm/ha.	10	4.0	45.5	41.75	43.8	41.0	6.59	20 weeds per square meter	225 weeds per square meter	36436	88935	52505	1:2.44	34667	78925	44257	1:2.27
	Promoting high yielding variety of wheat	To demonstrate the yield potential of new variety (HPBW – 1) .	10	2.0	47.5	42.75	45.0	41.25	9.09	6.1 (No. of effective tillers per plant	5.3 (No. of effective tillers per plant	56800	88875	32075	1:1.56	52600	81468	28868	1:1.54
	Promoting high yielding variety of wheat	To demonstrate the yield potential of new variety (DBW – 222) .	10	2.0			.												
Wheat Late Sown																			
	Promoting HYV of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition. (DBW – 173)	10	2.0	47.1	40.0	42.75	38.25	11.76	5.2 (No. of effective tillers per plant	4.5 (No. of effective tillers per plant	48800	84431	35631	1:1.73	47700	75544	27844	1:1.58
	Promoting improved variety of wheat under late sown condition	To demonstrate the yield potential of wheat variety under late sown condition (DBW-173)	10	2.0															
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																			
	INM	Nutrient management through water soluble fertilizers (18:18:18) N:P:K in S.cane @ 13.75 Kg/ha .	15	6.0	962.10	755.20	958.44	790.50	21.24	-	-	85980	311493	225513	1:3.62	84810	256912	172102	1:3.02
	INM	Nutrient	15	6.0	9.62	7.82	958.86	789.80	21.40	-	-	85550	311630	226380	1:3.64	83750	226685	72935	1:3.

		management through Sulphur @ 30 Kg/ha. in S.cane																	06
Potato																			
Medicinal & aromatic plants																			
Mentholment																			
Kalmegh																			
Ashwagandha																			
Fodder Crops																			
Sorghum (F)																			
Cowpea (F)																			
Maize (F)																			
Lucern																			
Berseem																			
Oat (F)																			

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

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter	Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Cattle																	
Buffalo																	
Buffalo Calf																	
Dairy																	
Poultry																	
Sheep & Goat																	
Vaccination																	

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

FLD on Fisheries

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

Composite fish culture																		
Feed Management																		

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

FLD on Other enterprises

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

FLD on Women Empowerment

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

FLD on Farm Implements and Machinery

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

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* **2020***)*

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

Vegetable crop													
Fruit crop													
Other (specify)													

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

III. Training Programme

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
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 (pl specify) Plant Breeding	06	102	-	102	18	-	18	120	-	120
Total	06	102	-	102	18	-	18	120	-	120
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 (Plant Breeding)- Mentha										
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	02	36	-	36	04	-	04	40	-	40
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils										
Micro nutrient deficiency in crops	02	36	-	36	04	-	04	40	-	40
Nutrient Use Efficiency										

Balance use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing										
Others (pl specify)										
Total	**04**	**72**	**-**	**72**	**08**	**-**	**08**	**80**	**-**	**80**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
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	02	40	-	40	-	-	-	40	-	40
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	02	40	-	40	-	-	-	40	-	40
GRAND TOTAL	**12**	**214**	**-**	**214**	**26**	**-**	**26**	**240**	**-**	**240**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify) Plant Breeding	06	113	-	113	07	-	07	120	-	120
Total	06	113	-	113	07	-	07	120	-	120
II Horticulture										
a) Vegetable Crops										
Production of low value and high value 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 Plant Breeding - Mentha	01	20	-	20	-	-	-	20	-	20
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	01	20	-	20	-	-	-	20	-	20
GT (a-g)	01	20	-	20	-	-	-	20	-	20
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	01	20	-	20	00	-	00	20	-	20
Production and use of organic inputs	02	40	-	40	00	-	00	40	-	40
Management of Problematic soils										
Micro nutrient deficiency in crops	02	39	-	39	01	-	01	40	-	40

Nutrient Use Efficiency										
Balance use of fertilizers	01	20	-	20	-	-	-	20	-	20
Soil and Water Testing	01	07	-	07	13	-	13	20	-	20
Others (pl specify)										
Total	**07**	**126**	**-**	**126**	**14**	**-**	**14**	**140**	**-**	**140**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
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	**14**	**259**	**-**	**259**	**21**	**-**	**21**	**280**	**-**	**280**

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

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
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 (pl specify) Plant Breeding	12	215	-	215	25	-	25	240	-	240
Total	12	215	-	215	25	-	25	240	-	240
II Horticulture										
a) Vegetable Crops										
Production of low value and high volume 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 (Plant Breeding – Mentha)	01	20	-	20	-	-	-	20	-	20
Post harvest technology and value addition										
Others (pl specify)										
Total (g)	01	20	-	20	-	-	-	20	-	20
GT (a-g)	01	20	-	20	-	-	-	20	-	20
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	03	56	-	56	04	-	04	60	-	60
Production and use of organic inputs	02	40	-	40	00	-	00	40	-	40
Management of Problematic soils										

Micro nutrient deficiency in crops	04	75	-	75	05	-	05	80	-	80
Nutrient Use Efficiency										
Balance use of fertilizers	01	20	-	20	00	-	00	20	-	20
Soil and Water Testing	01	07	-	07	13	-	13	20	-	20
Others (pl specify)										
Total	**11**	**198**	**-**	**198**	**22**	**-**	**22**	**220**	**-**	**220**
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
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	02	40	-	40	-	-	-	40	-	40
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total	02	40	-	40	-	-	-	40	-	40
GRAND TOTAL	**26**	**473**	**-**	**473**	**47**	**-**	**47**	**520**	**-**	**520**

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	04	36	-	36	04	-	04	40	-	40
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**04**	**36**	**-**	**36**	**04**	**-**	**04**	**40**	**-**	**40**

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										
Production of organic inputs	02	19	-	19	01	-	01	20	-	20
Planting material production										

Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	02	19	-	19	01	-	01	20	-	20

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	04	36	-	36	04	-	04	40	-	40
Production of organic inputs	02	19	-	19	01	-	01	20	-	20
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl. specify)										
TOTAL	**06**	**55**	**-**	**55**	**05**	**-**	**05**	**60**	**-**	**60**

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										
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										
Integrated Pest Management										
Integrated Nutrient management	**02**	**19**	**-**	**19**	**01**	**-**	**01**	**20**	**-**	**20**
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	**01**	**09**	**-**	**09**	**01**	**-**	**01**	**10**	**-**	**10**
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) Plant Breeding	**06**	**48**	**-**	**48**	**12**	**-**	**12**	**60**	**-**	**60**
Any other (pl.specify) Agro forestry	**01**	**10**	**-**	**10**	**-**	**-**	**-**	**10**	**-**	**10**
TOTAL	**10**	**86**	**-**	**86**	**14**	**-**	**14**	**100**	**-**	**100**

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										
Integrated Pest Management										
Integrated Nutrient management	**02**	**19**	**-**	**19**	**01**	**-**	**01**	**20**	**-**	**20**
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	**01**	**09**	**-**	**09**	**01**	**-**	**01**	**10**	**-**	**10**
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) Plant Breeding	**06**	**48**	**-**	**48**	**12**	**-**	**12**	**60**	**-**	**60**
Any other (pl.specify) Agro forestry	**01**	**10**	**-**	**10**	**-**	**-**	**-**	**10**	**-**	**10**
TOTAL	**10**	**86**	**-**	**86**	**14**	**-**	**14**	**100**	**-**	**100**

Table. Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL										

Name of sponsoring agencies involved

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

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

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	-	-	-	-
Diagnostic visits	24	280	-	280
Field Day				
Group discussions				
Kisan Ghosthi	-	-	-	-
Film Show	21	440	-	440
Self -help groups	-	-	-	-
Kisan Mela	-	-	-	-
Exhibition	-	-	-	--
Scientists' visit to farmers field	208	1960	-	1960
Plant/animal health camps	-	-	-	-
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	-	-	-	-
Celebration of important days	08	504	-	504
Special day celebration	03	52	-	52
Exposure visits	-	-	-	-
Others (pl. specify)				
Visit of farmers & farmers group.	245	1375	-	1375
Lecture delivered	92	4050	-	4050
Meeting attended	14	-	-	-
Total	**615**	**8661**	**-**	**8661**

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	-
Extension Literature	16
News paper coverage	32
Popular articles	-
Radio Talks	03
TV Talks	-
Animal health amps (Number of animals treated)	-
Others (pl. specify) – Research paper	02
Total	**53**

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only	33	-	05	02	10	-	50
	Voice only	24	05	12	02	07	-	50
	Voice & Text both	22	02	05	02	10	06	47
	Total Messages	79	07	22	06	27	06	147
	Total farmers Benefitted	**2278**	**52**	**240**	**125**	**920**	**70**	**3685**

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

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

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Wheat Rabi 2020-21	PBW - 725 H.D 3059	- -	291.00 174.60	-	Supplied to NSC Meerut
	Paddy Kharif 2021	PB-1509	-	154.70	-	Supplied to NSC Meerut
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total				**620.30**		

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	Poplar	G-48	-	200	3000	04
Others						
Total				**200**	**3000**	**04**

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	**90**	**90**	**22**	**18000.00**
Water	-	-	-	-
Plant	-	-	-	-
Manure	-	-	-	-
Others (pl.specify)	-	-	-	-
	-	-	-	-
Total	**90**	**90**	**22**	**18000.00**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Number of SACs conducted	Date of SAC
Moradabad-I	01	24-11-2021

IX. NEWSLETTER/MAGAZINE

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

X. PUBLICATIONS

Category	Number
Books	-
Technical bulletins	-
Research Paper	02
Lead Papers	-
Book Chapters	-
Popular Articles	-
Newsletters	-
Technical reports	07
Others (pl. specify) Extension Literature	16

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

Activities conducted				
No. of Training programmes	**No. of Demonstration s**	**No. of plant materials produced**	**Visit by farmers (No.)**	**Visit by officials (No.)**

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

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps organised

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

Seed distribution in drought hit states

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

Large scale adoption of resource conservation technologies

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

Awareness campaign

	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
Total												

XIII. DETAILS ON HRD ACTIVITIES

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

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

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

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

XIV. CASE STUDIES

Reported success stories of farmers for doubling the income (DFI) of 110 farmers & submitted to ICAR-ATARI, Kanpur.

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
01	**KVK**	**SVP Univ of Agri & Tech, Meerut**	**Dr Sukhdev Singh**

B. Details on Farmer's visit

S. No	Purpose of visit	Number of farmer's visited
01	Technology Information	50
02	Technology Products	50
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	**01**	**01**
02	Exhibition / technology museum	01	01
03	Touch screen Kiosk	01	01
04	Cafeteria	01	01
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	01	20	-	-	-	-	-	01	-

	shows									
03	Letters received	-	-	-	-	-	-	-	-	-
04	Letters replied	-	-	-	-	-	-	-	-	-
05	Training to farmers / technocrats / students	-	-	-	-	-	-	-	-	-
06	Others pl. specify	01	-	01	-	-	-	-	-	-

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	**90**
02	Plant diagnostics	280
03	Details about the services to line Departments	4050
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	01
02	Field days	-
03	Workshops / seminars	-
04	Technology week	-
05	Training programmes	-
06	Others pl. specify	-

D. Overseeing of KVKs activities

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

E. Publication on Technology inventory

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

F. Technological Products provided to KVKs

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

XVI Achievement of Special programmes

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

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

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

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

a) CRM Machinery procured by KVKs

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

b) IEC activities organized under CRM Project by KVKs

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

b) Other IEC activities organized under CRM Project by KVKs

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

3) Achievement of TSP (Tribal Sub Plan)

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

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

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

5) Achievements of SCSP KVKs

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

6) Achievement under IFS KVKs

Sl. No.	IFS (Component Name)	No. of IFS 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

Activities	Number of activity	No. of farmers/ beneficiaries
OFTs – Nutritional Garden (activity in no. of Unit)		
OFTs – Bio-fortified Crops (activity in no. of Unit)		
OFTs – Value addition (activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs – Nutritional Garden (activity in no. of Unit)		
FLDs – Bio-fortified Crops (activity in no. of Unit)		
FLDs – Value addition (activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		
Grand 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	0.0009	0.0009	0.00022	0.18	
Water					
Plant					
Manure					0.0009
Total	0.0009	0.0009	0.00022	0.18	0.0009

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)
			Target (q)	Area sown (ha)	Actual Production (q)	
Kharif	Black gram					
	Green Gram					
	Pigeon pea					
Total (Kharif)						
Rabi	Chick pea					
	Field pea					

	Lentil					
Total (Rabi)						
Summer	Black gram					
Total (Summer)						
Grand Total						

15) NEMA (New Extension Methodologies and Approaches)

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

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

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

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

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

18) Achievements under Swachhata Abhiyan Mission

S.No.	Items	No. of Programmes	No. of persons participated
1	Toilet maintenance		
2	Road, drain cleaning	01	40
3	Garbage disposal	05	269
4	Door to door awareness		
5	Awareness campaign	07	246
6	Nookkad Drama		
7	School Drama		
8	School rally		
9	Writing paining slogans		
10	Composting		
11	Other		

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 husbandry & fish distribution programme	
Vaccination	
Medicine for control of parasite	
Distribution of mineral mixture	
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

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

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