DETAILS OF ACTION PLAN OF KVK DURING 2021

(January to December,2021)

KVK –AWAGARH,ETAH

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Awagarh-207301, Distt. Etah,UP	05745-224338	05745-224338	kvkawagarh@rediffmail.com	http://etah.kvk4.in/

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

Address	Telephone		E mail	Website
	Office	FAX		
R.B.S.College, Agra	0562-2520075	0562-2520075	rbscagra_2007@rediffmail.com	http://rbscollegeagra.edu.in/

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : **1307**

1.2.d. Status of ICT lab at your KVK : **No**

1.3. Name of the Sr. Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Manish Singh	05745-224338	7897441718	manishsinghswc@gmail.com

1.4. Year of sanction (as per MOU) : **1982**

1.5. Staff Position (as on 30 Sept. 2020)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. Manish Singh	Senior Scientist & Head	Ph.D (Soil & water conservation	37400-67000	9000	46400	01.02.2020	Permanent	GEN	**7897441718**		
2	Subject Matter Specialist	Dr. Dinesh Mishra	SMS- Ag.Engg.	M.Sc (Ag.Engg.) Ph.D.	15600-39100	6600	37460	15-3-96	Permanent	Others	**9412490890**	dinesh_67mishra@yahoo.co.in	

3	Subject Matter Specialist	Shri. V. Singh	SMS-Horticulture	M.Sc Ag (Horti.)	15600-39100	5400	30980	22-7-87	Permanent	Others	**9412388110**	-
4	Subject Matter Specialist	Dr. V.Singh	SMS-Soil Sc.	M.Sc Ag (Soil Sc. & Ag. Chem.) Ph.D.	15600-39100	5400	30950	9-7-87	Permanent	OBC	**9719501765**	-
5	Subject Matter Specialist (Agro.)	Dr. S.K. Singh	Subject Matter Specialist (Agro.)	M.Sc Ag (Agronomy) Ph.D.	15600-39100	5400	22010	01.02.2020	Permanent	Others	**9536093256**	Suneel_34@rediffmail.com
6	Subject Matter Specialist	**Vacant**										
7	Subject Matter Specialist	**Vacant**										
8	P.A., Agronomy	Dr. D.S Verma	P.A. (Agro.)	M.Sc Ag (Agronomy) Ph.D.	9300-34800	4800	30180	1-12-87	Permanent	OBC	**9719501688**	-
9	Farm Manager	Sri. Gaurav Pratap Singh	Farm Manager	M.Sc Ag (Agronomy)	9300-34800	4200	22010	01.02.2020	Permanent	Others	**8557083617**	
10	P.A. Computer	**Vacant**										
11	Accountant / Superintendent	**Vacant**										
12	Stenographer	Sri Sachin Kumar	Stenographer	U.G.	5200-20200	2400	11980	04-02-17	Permanent	OBC	**8299204800**	-

13	Driver	Sri RN Singh	Driver	MA Eco.	5200-20200	2800	14780	13-6-94	Permanent	OBC	9411848633	-	
14	Driver	Sri Hari Shankar	Driver	8th	5200-20200	2400	12010	1-12-02	Permanent	OBC	9758031068	-	
15	Supporting staff	Sri Pushpendra Singh	Supporting staff	10th	5200-20200	2400	12220	14-6-94	Permanent	Others	9719944683	-	
16	Supporting staff	Sri Rahul Kumar	Supporting staff	10th	5200-20200	1800		01.02.2020	Permanent	OBC	8445470227	-	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	1.30
3.	Under Crops	11.50 (Partial Usar)
4.	**Orchard/Agro-forestry**	0.20
5.	**Others(Usar)**	6.00
	Total	20.00

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage						Required New	Needs renovation
			Complete			Incomplete				
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction		
1.	Administrative Building	ICAR	1986							
2.	Farmers Hostel	-do-	1990							
3.	Farm women Hostel	-do-	1990							
4.	Staff Quarters (14)	-do-	5 in 1986 9 in 1990							

5.	Demonstration Units (2) Dairy, Goatry	-do-	1990							
6	Green house	-do-	2017							
7	Mini Seed Processing Unit	-do-	2017							
8	IFS Modal	-do-	2017							
9	ICT Lab	-do-	2017							
10	Technical information center	-do-	2017							
11	Fencing	X	Funds not received so far from ICAR							
12	Threshing floor	X	-do-							
13	Farm godown	X	-do-							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Motor cycle	1986	0.22	52000	Irreparable	
Motor cycle	1995	0.30	50000	-do-	Yes
Tractor	2010	5.0	5889 hrs.	Good condition	
Jeep	2017	708530	48975	Good condition	

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
OHP	1986		Irreparable	
Slide Projector	1986		Irreparable	
TV & VCD	2003		In use	
Camera 1	2006		-do-	
LCD	2007		-do-	
Camera 2	2017		In use	

LED TV	2017		In use	

1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.		Date
1.	Scientific Advisory Committee	

2. DETAILS OF DISTRICT

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

Sl. No.		Farming system/enterprise
1	A-Crop	1-Paddy-Wheat
		2- Pigeon Pea-Wheat
		3- Maize-Potato /groundnut/onion
		4- Bajra/maize-wheat
		5-Fallow-Mustard/groundnut./urd/moong
		6- Fallow-Garlic/Cole crops
		7- Fallow-Brinjal /tomato/Cole crops
		8- Jwar-berseem/oat
		9-Green Mannure-potato-muskmelon/moong
	B-Livestock	1-Dairy
		2-Goatery
	C-Orchard	1-Mango
		2-Guava
		3-Ber
		4-Papaya
		5-Anola

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

a) Soil type

Agro-climatic Zone	Characteristics				
	Temperature °C		Rainfall (mm)	Total area	Irrigated
South West Semi Arid Zone				Lac(ha)	Area (%)
	3.4	46	1192.5	1.86	**95**

b) Topography

S. No	Agro ecological situation	Characteristics
1.	AES-I	Altitude 150-700msl Soil-Clay Loam ACZ tropical

2.	AES-II	-
3.	AES-III	-

S.No.	Total Area (%)	Agro ecological situation			
		Block	Major Crops	Animal Birds	Forest/Orchard
1.Clay loam	25	Nidholikalan Sakit, Awagarh Jalesar	Paddy,Jwar,Maize, Wheat,Gram,Mustard, Pea, Pigeon Pea, Veg. Moon, Lentil	Cows,Buffaloes,Sheep,goats,Pigs, Poultry	Shisham, Babool,Eucalyputs,Aarjun,Mango, Guava,Ber
II-Loam	34	Amapur,Marhra,Kasganj,Soron,Sahavar,Jaithra,Aliganj	Paddy,Wheat,Bajra,Maize,Gram,Mustard,Pea,Pigen Pea, Urd, Veg. Potato, Sugaracane, Moong, Lentil, Tobacco	Cows,Buffaloes,Sheep,Goats,Pigs,Poultry	Shisham,Babool,Eucalyptus,AarjunmMango Guava,Ber,Jackfruit
III-Sandy loam	16	Marhara,Kasganj,Shitalpur,Sidpura, Jalesar	Paddy,Wheat,bajra,maize,mustard,pea, Pigeon Pea, urd, vegetable, potato, sugarcane, moong,sunflower	Cows,buffaloes,sheetp,goats,pigs,Poulthry	Shisham,Babool,Eucalyptus,Aarjun,Mango,Guava,Ber,Jackfruit
IV-(i) Loam,sand,(ii)Recent Alluvium soil(pocket of loam silt, sandy loam & loamy sand)	23	Soron, sahavar, ganjdundwara, patiali, Aliganj	Til, wheat, bajra, maize, mustard, Pigon pea, urd, groundnut veg., potato, summer, moong sugarcane, sunflower, toacco	Cows, buffaloes, sheep, goats, pigs, poultry	Shisham, Babool, Eucalyptus, Aarjun Mango, Guava, Ber,
V-Sodic land	2	Awagarh, nidholikalan, sakit, jalesar	Paddy, wheat, mustard, barley in reclaimed area of sodic land	Cows, buffaloes, goats, pigs, Poultry	Babool, Eucalyptus

2.3 Soil Types

S. No	Soil type	Characteristics pH	Area in ha
1	Loam	7.8-8.4	1.19
2	Clay loam	8.0-8.7	0.88
3	Sandy loam	7.5-8.0	0.56
4	Alluvium	7.0-7.8	0.80
5	Sodic land	8.5-10.0	0.07

2.4. Area, Production and Productivity of major crops cultivated in the district (2016-17)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	53910	4447.45	28.17
2	Wheat	208212	**Awaited**	-
3	Bajra	66438	6029.14	11.20
4	Maize-kharif	66315	5848.09	19.52
5	Maize-summer	3192	288.54	22.10
6	Chickpea	1840	93.78	10.15
7	Field pea	32	7.54	11.10
8	Lentil	3745	138.00	6.78
9	Moong (kharif)	410	58.52	6.21

10	Moong (summer)	4005	338.88	8.10
11	Pigen pea	3810	905.00	7.29
12	Urd	1890	58.77	5.17
13	Mustard	13449	775.12	10.64
14	Groundnut	52	14.69	9.40
15	Sunflower	-		-
16	Til	310	59.16	4.81
17	Sugarcane	9488	139392.75	448.17
18	Tobacco	11305	4434.48	54.61
19	Potato	12015	11767.87	240.80

Source: District agriculture department.

2.5. Weather data (2022)

S. No	Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
Total						

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

Category	Population	Production	Productivity
Cattle	181435	Not available	Not available
Buffalo	683303	-do-	-do-
Sheep	8443	-do-	-do-
Goats	275632	-do-	-do-
Pigs	32118	-do-	-do-
Rabbits	3148	-do-	-do-
Poultry	77629	-do-	-do-
Ducks	1745	-do-	-do-
Turkey and others	750	-do-	-do-
Category		Production (Q.)	Productivity
Fish (Reservoir)	84.23 ha.	-do-	-do-

*Statical report

2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Awagarh	Sahnuwa, Hinona -Block Awagarh, Himmatpur - Block Nidholi Kalan, Saray Raj Nagar, Block- Jalesar			
			Paddy, wheat, maize, pigeon pea, chick pea, moong, potato and summer groundnut.	Imbalance fert, improved variety, weeds	Availability of improved variety seeds
			Paddy, wheat, maize, potato, garlic.	Shoot borer, Imbalance fertilizer	Application of balance fertilizer
			Potato, garlic, groundnut, mustard, paddy, maize,	Pod borer & leaf roller, imbalance fert. Weeds	Application of micronutrients-sulphur and zinc.
			Paddy, wheat, Pigeon Pea, moong, potato and garlic.	Weeds, imbalance ferti.	Weed control.
			Chickpea and Pigeon Pea.	Imbalance fert, improved variety Weeds	Control of pod border.
			Brinjal, maize, tomato and petha	Imbalance fert, insect-disease	Control of shoot borer and fruit borer.
			Moong and tomato.	Non availability of improved variety, imbalance fert.	Control of mosaic.
			Potato	Imbalance fert, blight	Control of blight.
			Buffalo calves and goats.	Imbalance ferti, yellow mosaic virus.	Control of mortality.
			Dairy animals.	Anestrus, low milk yield, calf mortality	Mineral feeding, deworming and vaccination.
			Diesel Engine and Sprayer.	Repair & maintenance problems	Technical know how for maintenance, operation and repairing.
			Diesel Engine Mechanic, Mini Dairy, stitching and Goatery.	Need self employment base trainings	Technical know how for self employment.

			Maize sheller, Zero till seed drill, Rotavator, Paddy weeder and Paddy transplanter.	Non availability of improved agriculture machinery.	Availability of improved agriculture machinery.
			Seed and Grain storage.	Storage	Technical know how.

2.8 Priority thrust areas

S. No.	Crop/Enterprise	Thrust area
1.	Paddy, wheat, maize, pigeon pea, chick pea, moong, potato and summer groundnut.	Availability of improved variety seeds
2.	Paddy, wheat, maize, potato, garlic.	Application of balance fertilizer & water management
3.	Potato, garlic, groundnut, mustard, paddy, maize,	Application of micronutrients-sulphur and zinc.
4.	Paddy, wheat, Pigeon Pea, moong, potato and garlic.	Weed control.
5.	Chickpea and Pigeon Pea.	Control of pod border.
6.	Brinjal, maize, tomato and petha	Control of shoot borer and fruit borer.
7.	Moong and tomato.	Control of mosaic.
8.	Potato	Control of blight.
9.	Buffalo calves and goats.	Control of mortality.
10.	Dairy animals.	Mineral feeding, deworming and vaccination.
11.	Diesel engine repairing & Sprayer repairing as mechanic	Technical know-how for self-employment
12.	Maize Sheller, Groundnut decorticator, Zero till seed drill, Cono weeder, Battery operated sprayer, Fertilizer broadcaster, Manual multicrop seed drill, Raised bed planter and CiAE serrated sickle	Availability of improved agricultural machinery
13.	Maintenance and repairing of Agricultural Machinery such as Diesel engine pumping set, Electric motor pumping set, Thresher, Tube- wells, Tractor battery, sprayers, Tractor, rotavator etc.	Technical know-how for maintenance, operation and repairing
14.	Seed and Grain storage.	Technical know how.

3. TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
10	110	30.325, 550No.	592

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
112	2494		

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
455	23650,50Kg		1000	3000

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)

B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	INM	Paddy	Low Yield	Integrated Nutrient Management (INM) in Paddy				Field day	Zinc & Sulpher
2	Availability of improved variety seeds	Wheat	Low Yield	Testing of variety HD-3086				Field day	seed
3	Availability of improved variety seeds	Mustard		Performance of the variety NRCHB-101/IJ-31/NRCDR-2				Field Day	Seed
4	-do-	Tomato		Testing of variety Kashi Anmol or Kashi Vishesh				Field Day	Seed
5	-do-	Vegetable Pea		Testing of variety Rashmi or Madhu				Field Day	Seed
6	INM	Cauliflower		Testing of Boron In Cauliflower				Field Day	Boran
7	-do-	Moong	Low Yield					Field day	seed
8	-do-	Paddy	Low Yield	Testing of variety Pusa-1401				Field day	seed
9	-do-	Paddy	Low Yield					Field day	seed
10									
11	-do-	Mustard	Low Yield					Field day	seed
12	-do-	Garlic	IPM					Field day	Insecticide
13	-do-	Onion	IPM					Field day	Insecticide
14	-do-	Okra	Low Yield					Field day	seed
15	-do-	Muskmelon	Low Yield					Field day	seed
16	Technical Know how *about* Agricultural Machinery	Agril. Engg.	Less technical know how about Agricultural Machinery			Repair and Maintenance of Farm machinery and implements	Care & Maintenance of farm machinery & implements	Training	

16	Availability of improved agricultural machinery	Battery cum solar knapsack sprayer	Charging of battery by electricity is difficult in rural area.	Assessment of battery cum solar knapsack sprayer.				Field day	5 battery cum solar knapsack sprayer.
17	-do-	Power Weeder or Brush cutter	More labour required for Weeding of crops.	Assessment of Power Weeder or Brush Cutter.				Field day	5 Power Weeder/ Brush Cutter.
18	-do-	Maze sheller	Labour shortage		Shelling of Maize by Manual maize sheller				100 Maze Sheller
19	-do-	Manual wheel hoe	Labour shortage		Weeding of crops by Manual wheel hoe				10 Manual wheel hoe
23	-do-	Cono weeder	Labour shortage		Weeding of paddy by cono weeder				10 Cono weeder
24	-do-	Groundnut decorticator	Labour shortage		Decorticating of Groundnut by Manual groundnut decorticator				10 Groundnut Decorticator
25	-do-	Battery operated knapsack sprayer	Labour shortage		Spraying of insecticides, fungicides, weedicides and plant nutrients				5 Battery operated knap sac sprayer
26	-do-	Fertilizer broadcaster	Labour shortage		Broadcasting of fertilizers by Fertilizer broadcaster				5 Fertilizer broadcaster
27	-do-	CIAE serrated sickle	Less Working efficiency		Harvesting of crops (wheat & paddy) by serrated sickle				10 CIAE serrated sickle

	-do-	Super Seeder	Late preparation of seed bed for sowing of wheat after combine harvested paddy field.		Sowing of Wheat by Super Seeder			Field day	Service of Super Seeder
	-do-	Mulcher	Burning of crop residue		In-situ crop residue cutting			Field day	Service of Mulcher

3.1 Technologies to be assessed and refined

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	2	1								3
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management					1					1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries	2									2
Value addition										
Integrated Pest Management	1									1
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL	**5**	**1**			**1**					**7**

A.2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management	1							
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	**1**							

A.4. Abstract on the number of technologies refined in respect of livestock / enterprises

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

B. Details of On Farm Trial (Based on soil test analysis)

OFT-1 (Paddy)

Particulars	Contents
Title	Assessment of newly released high yielding variety PB-1692
Problem diagnosed	Low productivity of paddy crop due to
Micro farming situation	Irrigated
Details of technology identified for solution	T1(FP) PB- 1509 T2(RP) PB= 1692
No. of farmers	5 (Area- 1.0 ha)
Replications	5
Critical inputs	Seed 20kg/ha.
Production system	Paddy-Wheat-Moong
Source of technology	IARI New Delhi
Total Cost	Rs 2600/-
Observation to be recorded	1-Yield q/ha 2-No. of tillers 3-C.B, ratio 4-Social acceptability
Reaction of the farmers	Technology acceptability due to high yield potential.

OFT-2 (Wheat)

Particulars	Contents
Title	Performance of variety DBW-222
Problem diagnosed	Introduce improved variety DBW-187
Micro farming situation	Irrigated

Details of technology identified for solution	T1(FP)-HD-2967 T2(RP)- DBW-222
No. of farmers	10 area 4 ha
Replications	10
Critical inputs	Seed 125kg/ha
Production system	Paddy-Wheat
Source of technology	IIWBR,Karnal, Haryana
Total Cost	Rs. 15000/-
Observation to be recorded	1-Yield q.ha 2-C:B ratio 3-Social acceptability
Reaction of the farmers	Farmers interested in growing high yielding variety

OFT-3 (Mustard)

Particulars	**Contents**
Title	Assessment of Sulpher in Folier spray
Problem diagnosed	Low Yield
Micro farming situation	Irrigated
Details of technology identified for solution	T1-(FP) –No use of sulphur Folier spray. T2-(RP) –Use of sulphur Folier spray.
No. of farmers	14 (Area-5.00 ha.)
Replications	14
Critical inputs	Sulphur 90% WDG.
Production system	Bajra / Maize-Mustard-Cucurbits / Moong
Source of technology	DMR , Bhartpur
Total Cost	2000/-
Observation to be recorded	1-Yield/ha 2- Number of Branch per plant 3-C:B ratio 4-Social acceptability
Reaction of the farmers	Farmers are interested for use of balance fertilizer due to deficiency of secondary and micro nutrient.

OFT-4 (Tomato)

Particulars	**Contents**
Title	Testing of variety Kashi Anmol or Kashi Vishesh
Problem diagnosed	Low yield
Micro farming situation	Irrigated

Details of technology identified for solution	T1(FP) – Variety Pusa Rubi 2-(RP)- Variety Kashi Anmol or Kashi Vishesh
No. of farmers	10 area 1 ha
Replications	5
Critical inputs	Seed 500gm
Production system	Cucurbits-Tomato-Okra
Source of technology	IIVR, Varanasi
Total Cost	Rs. 5000/-
Observation to be recorded	1-No. of fruits per plant 2-C:B ratio 3-Social acceptability
Reaction of the farmers	Fruit color, Size and average Weight of fruit should be better than old variety.

OFT-5 (Vegetable Pea)

Particulars	**Contents**
Title	Testing of variety Rashmi or Madhu
Problem diagnosed	Low yield
Micro farming situation	Irrigated
Details of technology identified for solution	T1(FP) – Variety Arkil 2-(RP)- Azad P3
No. of farmers	5 Area -0.5 ha
Replications	5
Critical inputs	Seed 60Kg
Production system	Maize-Pea-Cucurbits
Source of technology	C.S.A.& T.U., Kanpur
Total Cost	Rs. 8000/-
Observation to be recorded	1-No. of grain/pod 2-No. of pod/plant 3-C:B ratio
Reaction of the farmers	Generally local variety used by the farmers, pod s of this variety may consume as a whole without dehiscing as per recommendation by ICAR, New Delhi

OFT-6 (Cauliflower)

Particulars	**Contents**
Title	Testing of Boron In Cauliflower for obtain good Colour and quality of curd.
Problem diagnosed	Colour and quality of curd is poor

Micro farming situation	Irrigated
Details of technology identified for solution	T1(FP) – No use of Boron 2-(RP)- Application of Boron on the basis of soil testing or performance of crop seen in last time.
No. of farmers	5 Area -0.5 ha
Replications	5
Critical inputs	Boron on the basis of soil testing Approximate @15Kg/ha
Production system	Okra-Cauliflower-cucurbits
Source of technology	IARI, New Delhi
Total Cost	Rs. 800/-
Observation to be recorded	1-No. of off color of curd per 0.01ha 2-C:B ratio 3-Social acceptability
Reaction of the farmers	Farmer want good Colour and quality of curd in cauliflower..

OFT-7 (Babycorn)

Particulars	**Contents**
Title	Testing of Halosulfuron-methyl weedicide in case of specially in Babycorn crop for management of **Cyperus rotundus (Motha)**
Problem diagnosed	Low yield due to weed
Micro farming situation	Irrigated
Details of technology identified for solution	T1(FP) – Mannual weeding by khurpi 2-(RP)- Application of Halosulfuron-methyl weedicide @ 90gm/ha
No. of farmers	5 Area -0.8 ha
Replications	5
Critical inputs	Halosulfuron-methyl weedicide
Production system	Babycorn- Potato- Babycorn
Source of technology	ICAR-Directorate of Weed Research Jabalpur
Total Cost	Rs. 5000/-
Observation to be recorded	1-C:B ratio 2-Social acceptability
Reaction of the farmers	Reduce cost of cultivation and increase yield

OFT-8 (Battery cum Solar Knapsack Sprayer)

Particulars	**Contents**
Title	Assessment of Battery cum solar Knapsack Sprayer.
Problem diagnosed	Charging of Battery by electricity is difficult in rural area.

Details of technology selected for assessment	T1(FP)- Battery operated Knapsack Sprayer. T2(RP)- Battery cum solar Knapsack Sprayer.
No. of farmers	5
Replications	5
Critical inputs	Battery cum solar Knapsack Sprayer.
Production system	Efficient spraying of solutions on crops.
Source of technology	CIAE, Bhopal
Total Cost	Rs. 25000/-
Observation to be recorded	1-Spraying Capacity (ha/hr.) 2-Operating Cost (Rs./ha.) 3- Area Coverage after one complete charging by electricity (ha./charging) 4- Increase in body temperature (^{0}c), Pulse rate (beat/sec.) & Respiration rate (blows/sec.) after continuously half an hour working of operator.
Reaction of the farmers	Easy Charging during working of Sprayer.

OFT-9 (Power Weeder/ Brush Cutter)

Particulars	**Contents**
Title	Assessment of Power Weeder & Brush cutter.
Problem diagnosed	More labour required for weeding of crops.
Details of technology selected for assessment	T1(FP)- Manual Weeding by khurpi. T2(RP)- Weeding of Power Weeder/Brush Cutter.
No. of farmers	5
Replications	5
Critical inputs	Power Weeder/ Brush Cutter.
Production system	Efficient Weeding of crops.
Source of technology	CIAE, Bhopal
Total Cost	Rs. 40,000/-
Observation to be recorded	1-Weeding Capacity (ha/hr.) 2-Weeding efficiency (%) 3- Plant damage (%) 4- Operating cost (Rs./ha.)
Reaction of the farmers	Timely Weeding of crops.

OFT-9 (Mixed Flour)

Trial	**10 Home Science**	**No. of Farm Women-5:**
1	**Title**	To evaluate the Nutritive mixed Ata for a family of five members

2	**Problem diagnosed/defined**	Nutrient deficiency in family members due to use of Wheat Floor
3	**Details of technologies selected for assessment /refinement**	T_1 –Use of Wheat Flour T_2 – Use of mix grain Wheat (10 Kg.)+Gram(2.00Kg),Barley (1.00Kg)+Bajra(1.00 Kg)
4	**No. of Farm Women**	5
5	**Source of technology**	CSUA&T,Kanpur
6	**Production system**	Balanced Diet
7	**Thematic area**	Design and development of low and minimum cost diet.
8	**Critical input**	Gram / chick pea
9	**Performance of the Technology with performance indicators**	i. Technical: ii. Economic:

3.2 Frontline Demonstrations

A. Details of FLDs to be organized (Based on soil test analysis)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs (per ha/No.)	Season and year	Area (ha)	No. of farmers / demon.	Parameters identified
1	Paddy	Pusa-1718	IPM	Pymetrozine 50%WG	Pymetrozine 50%WG 250gm/ha	Kharif 2022	10	25	Yield C:B ratio,
2	Paddy	Pusa-1718	INM	Use of balance fertilizer on the basis of soil testing	Soil testing	Kharif 2022	0.4	1	Yield C:B ratio, length of ear
3	Wheat	DBW-187	Varietal evaluation	Improved variety of late sowing	Seed 125 kg	Rabi 2022-23	10	25	Yield C:B ratio, No. of tillers/plant
4	Wheat	DBW-222	INM	Use of balance fertilizer on the basis of soil testing	Soil testing	Rabi 2022-23	0.4	1	Yield C:B ratio, length of ear
5	Mustard	IJ-31	IPM	Fipronil 5%SC	Fipronil 5%SC 1lit/ha	Rabi 2022-23	5	15	Yield C:B ratio
6	Garlic	Shankar	IPM	Three spray of Imidachloprid 17.8% @ 250ml/ha	Imidachloprid 17.8% @ 250ml/ha	Rabi 2022-23	1	10	1-No. of effected plants/running mtr. 2-C:B ratio
7	Onion	AFLR /AFDR	VE	AFLR /AFDR	10Kg Seedlings of AFLR /AFDR	Rabi 2022-23	0.5	30	1.Yield 2.C:B ratio
8	Okra	Variety Arka	Varietal evaluation	Improved variety	Seed 25kg/ha	Zaid-2022	0.5	5	1-No. of pods per

		Anamika							plant 2-C:B ratio
9	Red Cabbage	Improved variety	Varietal evaluation	Improved variety	1000 Seedlings of	Rabi 2022-23	0.5	20	Yield C:B ratio
9	Musk melon	Madhuras	Varietal evaluation	Improved variety	4kg	Summer 2022	2	10	Yield C:B ratio, No. of fruits/plant
10	Nutritional Kitchen Garden	Improved verities of colored vegetables	Fresh & Organic vegetable	Seed & Sappling	Seed & Seedlings of Improved verities of colored vegetables which are rich in antioxidant	Rabi, Summer 2022	0.025	5	Yield C:B ratio
					Total		**38.5**	**127**	

FLD on NARI Programme

Sl. No.	Category	Variety/ Breed	Thematic area	Technology for demonstration	Critical inputs (per ha/No.)	Season and year	Area (ha)	No. of farmers / demon.	Parameters identified
1	Nutritional Kitchen Garden	Improved verities of colored vegetables	Fresh & Organic vegetable	Seed & Sapling	Seed & Seedlings of Improved verities of colored vegetables which are rich in antioxidant	Rabi, Summer 2022	0.025	5	Yield C:B ratio
2.	Nutritional diet	Chikki , Moong bari & sprouted legumes	Low cost nutritive diet	Local product of legumes	Moong, Groundnut, Chickpea	Year round		2	Increase of health of children and women
3.	Bio-fortified	Maize & carrot	Low cost nutritive diet	Local product of maize and carrot	Maize & carrot	Kharif & Rabi		2	Increase of health of children and women
					Total		**0.025**	**9**	

Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers
	-	-	-

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	22		800

2	Farmers Training	22		350
3	Media coverage			
4	Training for extension functionaries			

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Maize Sheller	Maize	Kharif, Zaid	100	100 No.	Manual maize Sheller	1. Shelling capacity (kg/hr) 2. Broken kernels (%) 3. Operating cost (Rs/./ha)
Manual Wheel hoe	Groundnut, Mustard, chickpea, Maize, Arhar etc.	Kharif, Rabi & Zaid	10	10 No.	Manual wheel hoe	1. Capacity (ha/hr) 2. Weeding efficiency (%) 3. Plant damage (%) 4. Operating cost (Rs./ha)
Cono weeder	Paddy	Kharif	10	2 ha.	Cono Weeder	1. Capacity (ha/hr) 2. Cost of operation (Rs./ha) 3. Plant damage (%)
Ground nut Decorticator	Ground nut	Whole year	10	10 No.	Ground nut Decorticator	1 Capacity(Kg/hr) 2 Broken kernels (%) 3 Operating cost (Rs./kg.)
Battery operated knapsack sprayer	All crop	Whole year	5	5 No.	Battery operated knapsack sprayer	1 Capacity (ha/hr) 2 Operating cost(Rs/ha)
Fertilizer Broadcaster	All crop	Whole year	5	5 No.	Fertilizer broadcaster	1 Capacity (ha/hr) 2 Operating cast (Rs./hr)
CIAE serrated sickle	All crop	Whole year	10	10 No.	CIAE serrated sickle	Harvesting capacity (ha/day) Teeth grinding interval (ha) Harvesting cost (Rs./ha)
Super Seeder	Wheat	Rabi	5	4 ha	Service of Super Seeder	1. Yield (qt. /ha) 2. Cost of Cultivation (Rs./ha.) 3. C.B. Ratio.
Mulcher	Paddy	Rabi	5	4 ha	Service of Mulcher	1.Yield (qt. /ha) 2. Cost of cultivation (Rs./ha) 3. C:B ratio

(ii) Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Vermicompost	E.fotida	1		Vermiculture	Vermicompost

(iii) Other Enterprises

Enterprise	No. of	No. of units	Critical inputs	Performance

	Farmer/Farm women			Parameters/ indicators
Mango pickle	10	10	Preservatives- Acetic acid, Sodium -benzoate	keeping quality, Taste
Vermicompost	2	2	Vermiculture	Production
Drudgery reduction	15	15	Use of maize sheller	Time saving

3.3 Training (Including the sponsored and FLD training programmes):
A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	-	15	5	-	5	20
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production	1	15	-	15	5	-	5	15
Nursery management								
Integrated Crop Management	4	60	-	60	20	-	20	80
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	52	10	62	10	-	10	72
Off-season vegetables								
Nursery raising	2	30	10	40	-	-	-	40
Exotic vegetables like Broccoli								
Export potential vegetables	1	10	-	10	-	-	-	10
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	15	5	20	5	-	5	25
Cultivation of Fruit	1	15	5	20	5	-	5	25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								

d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	1	15	5	20	-	-	-	20
Processing and value addition								
f) Spices								
Production and Management technology	1	15	5	20	-	-	-	20
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1	10	-	10	5	-	5	15
Soil and Water Conservation	1	10	-	10	5	-	5	15
Integrated Nutrient Management	1	10	-	10	5	-	5	15
Production and use of organic inputs	1	10	-	10	5	-	5	15
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1	10	-	10	5	-	5	15
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	-	15	15	-	5	5	20
Design and development of low/minimum cost diet	1	-	15	15	-	5	5	20
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition								
Income generation activities for empowerment of rural Women	2	-	30	30	-	10	10	40
Location specific drudgery reduction technologies	3	-	50	50	-	15	15	65
Rural Crafts	1	-	15	15	-	5	5	20
Women and child care	4	-	60	60	-	20	20	80
VI Agril. Engineering								
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	7	180	-	180	48	-	48	228
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
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								
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								
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								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**35**	**415**	**200**	**615**	**97**	**50**	**147**	**762**
(B) RURAL YOUTH								
Mushroom Production	1	15	5	20	5	-	5	25
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture	2	46	-	46	14	-	14	60
Protected cultivation of vegetable crops								
Commercial fruit production	1	10	-	10	5	-	5	15
Repair and maintenance of farm machinery and implements	1	30	-	30	8	-	8	38
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								

Cold water fisheries	1	-	15	15	-	5	5	20
Fish harvest and processing technology								
Fry and fingerling rearing	1	-	15	15	-	5	5	20
Small scale processing								
Post Harvest Technology	1	15	5	20	5	-	5	25
Tailoring and Stitching								
Rural Crafts								
TOTAL	**6**	**71**	**35**	**106**	**24**	**10**	**34**	**140**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	1	20	-	20	5	-	5	25
Rejuvenation of old orchards								
Protected cultivation technology	1	20	-	20	5	-	5	25
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements	2	55	-	55	15	-	15	70
WTO and IPR issues	2	46	-	46	14	-	14	60
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	-	40	40	-	5	5	45
Gender mainstreaming through SHGs	1	15	-	15	5	-	5	20
Any other (Pl. Specify)								
TOTAL	**6**	**101**	**40**	**141**	**29**	**5**	**34**	**175**
G. Total	**47**	**587**	**275**	**862**	**150**	**65**	**215**	**1077**

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	-	30	10	-	10	40
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production	2	20	-	20	10	-	10	30
Nursery management								
Integrated Crop Management	5	70	-	70	20	-	20	90
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	65	5	70	10	-	10	80
Off-season vegetables								
Nursery raising	2	20	-	20	-	-	-	20
Exotic vegetables like Broccoli								
Export potential vegetables	2	20	10	30	5	-	5	35
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	10	-	10	-	-	-	10
Cultivation of Fruit	1	15	-	15	-	-	-	15
Management of young plants/orchards								

Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	2	20	-	20	5	-	5	25
Processing and value addition								
f) Spices								
Production and Management technology	2	20	-	20	5	-	5	25
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation	3	30	-	30	15	-	15	45
Integrated Nutrient Management								
Production and use of organic inputs	2	20	-	20	10	-	10	30
Management of Problematic soils								
Micro nutrient deficiency in crops	2	20	-	20	10	-	10	30
Nutrient Use Efficiency								
Soil and Water Testing	3	30	-	30	15	-	15	45
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	5	-	75	75	-	25	25	100
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing	3	-	45	45	-	15	15	60
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	15	15	-	5	5	20
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies	1	-	15	15	-	5	5	20
Rural Crafts								
Women and child care								
VI Agril. Engineering								
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	14	420	-	420	98	-	98	518
Small scale processing and value addition								
Post Harvest Technology								

VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
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								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
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								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	53	690	165	855	203	50	253	1108

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	3	45	-	45	15	-	15	60
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production	3	35	-	35	15	-	15	50
Nursery management								

Integrated Crop Management	9	130	-	130	40	-	40	170
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	7	117	15	132	20	-	20	152
Off-season vegetables								
Nursery raising	4	50	10	60	-	-	-	60
Exotic vegetables like Broccoli								
Export potential vegetables	3	30	10	40	5	-	5	45
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning	2	25	5	30	5	-	5	35
Layout and Management of Orchards								
Cultivation of Fruit	2	30	5	35	5	-	5	40
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	3	35	5	40	5	-	5	45
Processing and value addition								
f) Spices								
Production and Management technology	3	35	5	40	5	-	5	45
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1	10	-	10	5	-	5	15
Soil and Water Conservation	4	40	-	40	20	-	20	60
Integrated Nutrient Management	1	10	-	10	5	-	5	15
Production and use of organic inputs	3	30	-	30	15	-	15	45
Management of Problematic soils								
Micro nutrient deficiency in crops	2	20	-	20	10	-	10	30
Nutrient Use Efficiency								
Soil and Water Testing	4	40	-	40	20	-	20	60
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	6	-	90	90	-	30	30	120
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	-	15	15	-	5	5	20
Minimization of nutrient loss in processing	3	-	45	45	-	15	15	60

Gender mainstreaming through SHGs								
Storage loss minimization techniques	2	-	30	30	-	10	10	40
Value addition								
Income generation activities for empowerment of rural Women	2	-	30	30	-	10	10	40
Location specific drudgery reduction technologies	4	-	65	65	-	20	20	85
Rural Crafts	1	-	15	15	-	5	5	20
Women and child care	4	-	60	60	-	20	20	80
VI Agril. Engineering								
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	21	600	-	600	146	-	146	746
Small scale processing and value addition								
Post Harvest Technology								
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
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								
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								
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								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL	93	1137	405	1542	322	115	437	1979
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								

Seed production	1	15	5	20	5	-	5	25
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements	1	30	-	30	08	-	08	38
Nursery Management of Horticulture crops								
Training and pruning of orchards	1	10	-	10	5	-	5	15
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing	1	-	15	15	-	5	5	20
Post Harvest Technology								
Tailoring and Stitching	1	-	15	15	-	5	5	20
Rural Crafts								
TOTAL	**6**	**85**	**35**	**120**	**25**	**10**	**35**	**155**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	1	20	-	20	5	-	5	25
Rejuvenation of old orchards	1	20	-	20	5	-	5	25
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements	2	55	-	55	15	-	15	70
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing	1	-	40	40	-	5	5	45
Production and use of organic inputs	1	15	-	15	5	-	5	20
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
Total	**6**	**110**	**40**	**150**	**30**	**5**	**35**	**185**
G. TOTAL	**158**	**2022**	**645**	**2667**	**580**	**180**	**760**	**3427**

Details of training programmes attached in **Annexure -I**

3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

Field Day	6	300	50	350	4	-	4	304	50	354
Kisan Mela										
Kisan Gosthi	3	250	50	300	8	-	8	258	50	308
Exhibition										
Film Show										
Farmers Seminar										
Workshop	1	60	25	85	2	-	2	62	25	87
Group meetings/Night Camp	2	85	20	105	-	-	-	85	20	105
Lectures delivered as resource persons										
Newspaper coverage	15									
Radio talks	10									
TV talks	2									
Popular articles										
Extension Literature										
Advisory Services	1	200	-	200	-	-	-	200	-	200
Scientific visit to farmers field	30	50	5	55	-	-	-	50	5	55
Farmers visit to Kisan Mela at PantNagar	1	10	-	10	-	-	-	10	-	10
Diagnostic visits										
Exposure visits										
Ex-trainees Sammelan	1	60	10	70	5	-	5	65	10	75
Soil health Camp										
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns	2	100	15	115	2		2	102	15	117
Farm Science Club Conveners meet	2	40	-	40	2	-	2	42	-	42
Self Help Group	2	30	10	40	3	-	3	33	10	43
FPO formation	5	80	20	100	-	-	-	80	20	100
Mahila Mandals Conveners meetings										
Celebration of important days (Agriculture education day, Industrial Day, Foundation day ,World food day& Kisan Samman diwas)	5	350	50	400	15	-	15	365	50	415
Soil Health Cards distribution	1	3000		3000				3000		3000
Farmers scientist interaction	2	80	20	100	2	-	2	82	20	102
Meeting of Sawchata Mission	2	40	20	60	4	-	4	44	20	64
Total	87	4435	245	4680	43	0	43	4478	245	4723

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
CEREALS				
	Paddy	Pusa-1718, Pusa-2511	380.00	
			380.00	
	Wheat	DBW-187,DBW-222, HD-2967	275.00	
			275.00	
OILSEEDS	Mustard	IJ-31	30.00	
		Total	**30.00**	
Pulse	Dhencha	Lokal	**For green manuring**	
VEGETABLES	Palak	All Green	0.05	
	Redish	Summer Queen	0.05	
	Methi	PEB	0.05	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
FRUITS	Papaya	Pant-5	2000	50
	Lemon	Barahmasi	150	10
	Anola	Desi	1500	
VEGETABLES	Cauliflower	Snowball-16	5000	10
	Cabbage	Hybrid, POI	2500	20
	Tomato	K-25	5000	25
	Onion	AFLR	100Kg	40
	Chilli	PJ	2500	10
	Chilli	PJ-502	3000	20
	Brinjal	Navkiran	1500	15
	Knol khol	White Bayana	500	10
			23650, 50Kg	**130**
ORNAMENTAL CROPS				
	Marrigold	PB	5000	50
	Crysinthimum	Local	1500	50

	Holihok	Local	2000	10
	Verbena perinial		2000	25
	Gliardia		2500	25
	Rose		250	10
	Ashok		1000	80
	Duranta		500	20
			14750	**270**

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
Vermicompost	**Compost**	**E fotida**		**360**
1				
2				

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

3.6 Literature to be Developed/Published

(A) KVK News Letter :
Date of start :
Number of copies to be published :

(B) Literature developed/published

S. No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	1	
2	Technical reports	3	
3	News letters	3	
4	Training manual all discipline		
5	Popular article		
6	Extension literature	6	
		Total-13	

(C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			

3.7. Success stories/Case studies identified for development as a case. (5 by each KVK)
a. Brief introduction
b. Interventions
c. Output

d. Outcomes
e. Impact
    i) Social economic
    ii) Bio-Physical
f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

a) Priority thrust area after PRA survey of adopted villages.
b) Farmer group discussion.
c) Field level observations.

Rural Youth

a) Priority thrust area after PRA survey of adopted villages.
b) Farmer group discussion.
c) Field level observations.
d)

In-service personnel

a) Priority thrust area after meeting with in-service personal.
b) Field level observations.
c)

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

i) PRA
ii) Problem identified from Matrix
iii) Field level observations
iv) Farmer group discussions
v) Others if any

For FLD :

i) New variety/technology
ii) Poor yield at farmers level
iii) Existing cropping system
iv) Others if any

3.10 Field activities

i. Name of villages identified/adopted with block name (from which year) - Sahnuwa, Hinona -Block Awagarh, Himmatpur -Block Nidholi Kalan, Saray Raj Nagar, Block- Jalesar
ii. **No. of farm families selected per village** :35
iii. **No. of survey/PRA conducted** :3
iv. **No. of technologies taken to the adopted villages**:5
v. **Name of the technologies found suitable by the farmers of the adopted villages**:Line sowing, Use of improved varieties of different crops, Balance use of fertilizers on the basis of soil testing report, Vaccination for FMD, Safe grain storage, Nutritional kitchen gardening,
vi. **Impact (production, income, employment, area/technological– horizontal/vertical)** Increase their crop production and income up to 20-25%.
vii. Constraints if any in the continued application of these improved technologies:

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment :2005

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)

1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	3000	15	2100
Water				
Plant				
Total	**300**	**3000**	**15**	**2100**

4. LINKAGES

4.1 Functional linkage with different organizations

S. No.	Name of organization	Nature of Linkage
1.	State Deptt. of Agriculture	Training, Gosthi, Field day, Kisan Mela
2.	State Deptt. of Horticulture	Training, Goshi, Field day
3.	State Deptt. of Fruit Preservation	Training, Gosthi
4.	State Deptt. of AH	Training, Vaccination & Animal health camp
5.	UP Seeds Corporation	Training,Gosthi
6.	Shreyas Gramin Bank	Training, Gosthi
7.	IFFCO, KRIBHCO	Gosthi

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes/No

S. No.	Programme	Nature of linkage
1		
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

5. Utilization of hostel facilities

S. No.	Programme	No. of days
1		
2		
3		
4		
5		
	Total	

6. Convergence with departments :

7.1. Details of the programmes being implemented by your KVK in partnership with other institution

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)
1				

7.2. Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1			

8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (2015-16)

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	Other (please specify)		
	Total		

9. Feedback of the farmers about the technologies demonstrated and assessed :

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

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G.T.
				M	F	Total	M	F	Total	
Crop production										
03-04.03.22	PF	Impropved variety & Balance ferti. In Moong	2	20	-	20	-	-	-	20
27-28.06.22	PF	Scientific cultivation of Fragrance Paddy	2	20	-	20	5	-	5	25
10.08.22	PF	Weed control in Paddy	1	20	-	20	5	-	5	25
13.09.22	PF	Plant protection in Paddy	1	20	-	20	-	-	-	25
05-06.10.22	PF	Scientific cultivation of mustard	2	20	-	20	5	-	5	25
08-09.11.22	PF	Scientific cultivation of wheat	2	20	-	20	5	-	5	25
Horticulture										
25-26.02.21	PF	Cultivation of baby corn	2	10	-	10	-	-	-	10
24-26.03.21	PF	Scientific cultivation of cucurbits	3	15	5	20	5	-	5	25
08-09.04.21	PF	Integrated plant protection in cucurbits	2	15	5	20	3	2	5	25

24-25.04.21	PF	Training & Pruning in Ber orchard	2	20	-	20	-	-	-	20
23-24.05.21	PF	IPM in summer vegetable	2	15	5	20	-	-	-	20
05-06.06.21	PF	Layout plan for new orchard	2	15	5	20	5	-	5	25
25-26.06.21	PF	Preparation of Raised nursery for kharif vegetables	2	15	5	20	-	-	-	20
07.08.07.21	PF	Organic cultivation of cucurbits	3	15	5	20	5	-	5	25
24-25.09.21	PF	Scientific cultivation of potato	2	15	5	20	-	-	-	20
06-07.10.21	PF	Raised nursery for Rabi seasonal vegetable	2	15	5	20	-	-	-	20
04-05.12.21	PF	Integrated pest & disease management of vegetable & spice	2	25	5	30	5	-	5	35
Soil health and fertility										
19-20.02.21	PF	Soil and water testing	2	10	-	10	5	-	5	15
03-04.04.21	PF	Soil fertility management	2	10	-	10	5	-	5	15
08-09.07.21	PF	Soil and water conservation	2	10	-	10	5	-	5	15
15-16.09.21	PF	INM	2	10	-	10	5	-	5	15
16-17.12.21	PF	Production and use of organic inputs	2	10	-	10	5	-	5	15
Animal Science										
8-9.06.2020	PF	Deworming of dairy animals in rainy season	2	15	5	20	5	-	5	25
Home science/Women empowerment										
20-21.01.22	FW	Transplanting of cole crops	2	-	20	20	-	5	5	25
21-22.02.22	FW	Mineral feeding and clean milk production	3	-	20	20	-	5	5	25
3-4.05.22	FW	Safe grain storage	1	-	20	20	-	5	5	25
4-5.07.22	FW	Proper utilization of waste material in Bag making	3	-	20	20	-	5	5	25
10.07.22	FW	Drudgery reduction operation of manual maize sheller	1	-	25	25	-	5	5	25
7-9.08.22	FW	Use of Surplus Milk	3	-	20	20	-	5	5	25
22-27.10.22	FW	Knitting of Baby wollen garments	6	-	20	20	-	5	5	25
29-30.10.22	FW	Preparation of vermicompost,	2	-	20	20	-	5	5	25
5-7.12.22	FW	Preparation of low cost diet	3	-	20	20	-	5	5	25
Agricultural Engineering										
8.02.2022	PF	Maintenance of tractor battery	1	25	-	25	6	-	6	31

15.02.2022	PF	Maintenance of Solar Water Pumping set.	1	25	-	25	6	-	6	31
04-05.03.22	PF	Operation and Maintenance of electric motor pumping set	2	20	-	20	5	-	5	25
12-13.05.22	PF	Selection, Operation & maintenance of Diesel engine pumping set.	2	30	-	30	10	-	10	40
7-8.09.22	PF	Operation, maintenance & repairing of tubewells	2	20	-	20	7	-	7	27
15-16.09.22	PF	Operation and maintenance of knapsack sprayer.	2	30	-	30	7	-	7	37
20.10.2020	PF	Maintenance of battery operated knapsack sprayer.	2	30	-	30	7	-	7	37

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G.T.
				M	F	Total	M	F	Total	
Crop production										
20.01.22	PF	Weed control in late wheat	1	20	-	20	5	-	5	25
07.04.22	PF	Scientific cultivation of Green Gram.	1	20	-	20	5	-	5	25
09.05.22	PF	Plant protection in Pulse.	1	20	-	20	5	-	5	25
28.07.22	PF	Plant protection in Paddy	1	20	-	20	5	-	5	25
15.09.22	PF	Plant Protection in Maize	1	20	-	20	5	-	5	25
06.10.22	PF	Use of sulphur in Mustard	1	10	-	10	-	-	-	10
09.12.22	PF	Chemical weed control in wheat	1	20	-	20	5	-	5	25
Horticulture										
07.01.21	PF	Care of cole crops	1	10	-	10	-	-	-	10
16.02.21	PF	Preparation of vegetable nursery for Zaid season	1	10	-	10	-	-	-	10
04.03.21	PF	Low cost technology for Cucurbits	1	20	-	20	-	-	-	20
10.04.21	PF	Control of red beetle in cucurbits.	1	15	5	20	5	-	5	25
14.04.21	PF	Pruning in Guava Orchard	1	20	-	20	-	-	-	
08.05.21	PF	Insect management in Okra	1	15	5	20	5	-	5	25
12.06.21	PF	Digging of pits & preparation	1	15	5	20	5	-	5	25

		for transplanting fruit plant.								
23.07.21	PF	Transplanting of fruit plants	1	15	5	20	5	-	5	25
17.09.21	PF	Fertilizer management in Garlic	1	15	-	15	-	-	-	15
07.10.21	PF	Balance use of Nutrient in Potato	1	20	-	20	-	-	-	20
19.11.21	PF	Nutrient management in cole crops	1	10	-	10	-	-	-	10
30.11.21	PF	Nutrient management in Hybrid cabbage.	1	10	-	10	-	-	-	10
07.12.21	PF	Integrated Plant protection in Garlic	1	20	-	20	-	-	-	20
18.12.21	PF	Transplanting of onion	1	10	-	10	-	-	-	10
Soil health and fertility										
06.01.21	PF	Production and use of organic inputs	1	10	-	10	5	-	5	15
17.03.21	PF	Soil and water testing	1	10	-	10	5	-	5	15
17.04.21	PF	Soil sampling technique.	1	10	-	10	5	-	5	15
20.05.21	PF	Soil sampling technique.	1	10	-	10	5	-	5	15
15.07.21	PF	Soil and water conservation	1	10	-	10	5	-	5	15
24.07.21	PF	Soil and water conservation	1	10	-	10	5	-	5	15
18.08.21	PF	Soil and water conservation	1	10	-	10	5	-	5	15
21.08.21	PF	Use of micronutrient Zn and B in Kharif Crops	1	10	-	10	5	-	5	15
16.09.21	PF	Use of micronutrient Zn and B in Rabi Crops	1	10	-	10	5	-	5	15
17.12.21	PF	Production and use of organic inputs	1	10	-	10	5	-	5	15
Home science/Women empowerment										
5.01.2022	FW	Care of pregnant mother	1	-	20	20	-	5	5	25
11.01.2022	FW	Care of child in winter	1	-	20	20	-	5	5	25
11.02.2022	FW	Care of kitchen garden	1	-	20	20	-	5	5	25
14.04.2022	FW	Storage of seed and grain	1	-	20	20	-	5	5	25
12.05.2022	FW	Mixed pickles preparation	1	-	20	20	-	5	5	25
17.05.2022	FW	Care of calves and kids in summer	1	-	20	20	-	5	5	25
13.08.2022	FW	Care of kitchen garden	1	-	20	20	-	5	5	25
20.09.2022	FW	Care of kitchen garden	1	-	20	20	-	5	5	25
28.09.2022	FW	Care of pregnant mother	1	-	20	20	-	5	5	25
14.10.2022	FW	Care of Child in Winter	1	--	20	20	-	5	5	25
19.10.2022	FW	Care of child kitchen garden	1		20	20		5	5	25

6.12.2022	FW	Preparation of mixed pickle	1	-	20	20	-	5	5	25
9.12.2022	FW	Care of kitchen garden	1		20	20	-	5	5	25
19.12.2022	FW	Mixed pickle preparation	1	-	20	20	-	5	5	25
Agricultural Engineering										
14.01.22	PF	Maintenance of Battery operated knapsack sprayer	1	30	-	30	7	-	7`	37
12.02.22	PF	Maintenance of diesel engine pumping set	1	30	-	30	7	-	7	37
20.04.22	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
26.04. 22	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
28.04. 22	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
30.04. 22	PF	Maintenance and adjustment of Thresher	1	30	-	30	10	-	10	40
05.07. 22	PF	Repairing and maintenance of Knapsack sprayer	1	30	-	30	10	-	10	40
09.07. 22	PF	Repairing and maintenance of Knapsack sprayer	1	30	-	30	10	-	10	40
21.07.22	PF	Safe operation of tractor and rotavator	1	30	-	30	7	-	7	37
28.07. 22	PF	Safe operation of tractor and rotavator	1	30	-	30	7	-	7	37
06.08.22	PF	Maintenance of tubewell	1	30	-	30	7	-	7	37
03.09.22	PF	Safety in operation of tractor.	1	30	-	30	7	-	7	37
27.10.22	PF	Calibration of Seed drill	1	30	-	30	7	-	7	37
10.11.22	PF	Calibration of Seed drill	1	30	-	30	7	-	7	37

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Home science	Income generating	Fruit and vegetable preservation	Feb.	6	-	20	20	-	5	5	25
Horticulture	Self employment	Nursery management of hroticutural crops	June	4	10	-	10	2	-	2	12
Home Science	Self employment	Stitching	June-July	2 month	-	20	20	-	5	5	25
Agril. Engg.	Self employment	Diesel engine repairing	June	1-30 Days	30	-	30	8	-	8	38

Crop production	Income generating	Wheat seed production	Nov.	4	20	5	25	5	-	5	30

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
Horticulture	EF	IPM for horticultural crops	2	10	-	10	-	-	-	10
Home Science	EF	Low cost high nutrient diet for human	2	-	40	40	-	5	5	45
Agri. Engg.	EF	Calibration of zero tillage seed drill for wheat sowing in paddy field	2	30	-	30	8	-	8	38
Agri. Engg.	EF	Repair and maintenance of sprayer	2	25	-	25	7	-	7	32
Livestock Production	EF	Balance feeding and deworming in dairy animals	2	40	-	40	10	-	10	50
Soil Science	EF	Production and use of organic inputs-Nadap Compost & Vermi Compost.	2	20	-	20	10	-	10	30
Crop production	EF	Production & protection in Rabi crops	2	20	-	20	-	-	-	20

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

ICAR-ATARI, Kanpur

Action Plan for Doubling Farmers Income by 2022

(To be filled in by KVKs)

(Please see the entire format before starting filling and do not insert any extra column in the format)

Summary of 02 Villages adapted by KVK for DFI:

Name of the KVK	Name of Villages	Block & Tehsil of Village	Total Population of Village	No of Farmer Family in the Village	Distance of Village from KVK	Distance between both Villages
Etah	Name of Village1	Margayan	2500	360	20	33
	Name of Village2	Jalukheda	4500	235	13	33

Detail Information of 02 Villages adapted by KVK for DFI:

S.N.	Particular	Detail information in r/o Village1	Detail information in r/o Village2
1	Name of KVK	KVK, Etah	KVK, Etah
2	Name of villages to be adopted by KVK	Margayan	Jalukheda
3	Number of farmers to be targeted	360	235
4	Area of agriculture land (ha):	380	400
5	Area of irrigated land (ha):	380	400
6	Number of water body:	1	2
7	Area of water body (ha):	1.5	1
8	Number of different livestock animals:	1080	800
9	Soil status:	Sandy Loam	Sandy Loam
10	Average nutrients (nitrogen, phosphorous, potash, etc) used:Kg/ha.	N-260, P-60, K-40	N-240, P-50, K-30
11	Major diseases occurred in crops:	Wilt, Ruast, Blight, Mosaic	Wilt, Ruast, Blight, Mosaic

12	Major diseases occurred in livestock:	**Galaghontu, Khurpaka, Thanela**		**Galaghontu, Khurpaka, Thanela**	
13	Post-harvest management/ value addition followed, if any:	**NO**		**NO**	
14	Marketing channels of products:	**Awagarh, Etah & Aligarh Mandi**		**Awagarh, Etah & Aligarh Mandi**	
15	Agro-based industries, if any:	**NO**		**NO**	
16	Average income of the farmer:	**Rs. 60000-65000**		**Rs. 60000-80000**	
17	Average yield of livestock:	**1500Lit.**		**1800Lit.**	
18	Average yield of fisheries:	**NIL**		**NIL**	
19	**Average yield of different crops cultivated in the both Villages**	**Name of Crop**	**Yield of Crop in q/ha**	**Name of Crop**	**Yield of Crop in q/ha**
		Paddy	**35**	**Paddy**	**38**
		Bajra	**25**	**Bajra**	**26**
		Wheat	**34**	**Wheat**	**37**
		Moong	**8**	**Moong**	**9**
		Mustard	**12**	**Mustard**	**15**
		Potato	**200**	**Potato**	**208**
20	**Possibility of involvement of ICAR Institutes:**	**Name of the Institute**	**Likely Helps to be Taken**	**Name of the Institute**	**Likely Helps to be Taken**
		ATARI, Kanpur	**Financial & Technical**	**ATARI, Kanpur**	**Financial & Technical**
21	**Possibility of involving private sectors for CSR funds (TCS, WIPRO, Reliance Industries, Bill & Millinda Gates Foundation, Dhanuka Group, Surya Foundation, Mahindra & Mahindra, etc.):**	**Name of Private Sector**	**Likely Helps to be Taken**	**Name of Private Sector**	**Likely Helps to be Taken**
		Try to help	**Financial**	**Try to help**	**Financial**

22	Name of other partners to be involved (State Deptt./ Central govt. Deptt./ PSU/ NGO/ Private org.):	Name of the Departments	Likely Helps to be Taken	Name of the Departments	Likely Helps to be Taken
		State Deptt.	Critical Input	State Deptt.	Critical Input
23	FPO formed or not? (YES/NO)	NO		NO	
24	Major interventions planned for Villages	List of Interventions		List of Interventions	
		Latest Variety Seed		Latest Variety Seed	
		INM		INM	
		IPM		IPM	
		Management of Livestock		Management of Livestock	

25. Action Plan (including interventions made) and Budget requirement for both the villages:

Sl. No.		Activities planned	Expected Outcome	Budget			
1	Action Plan (including interventions made) for the village name1 and Budget requirement:			2018- 19	2019- 20	2020- 21	2021- 22
		Introduce improved HYV	Extra Rs.2000.0/ha/year	Rs.300000.0	Rs.300000.0	Rs.300000.0	Rs.300000.0
		Use of balance fertilizer as per Soil health Card	Extra Rs.1500.0/ha/year	Rs. 50000.0	Rs. 50000.0	Rs. 50000.0	Rs. 50000.0
		Use of Efficient Machinery for reduction of cost(Hand hoe, Happy seeder, Battery operated sprayer, Cono-weeder & Fertilizer broadcaster)	Extra Rs.1000.0/ha/year	Rs.100000.0	Rs.100000.0	Rs.100000.0	Rs.100000.0
		Introduce cash and Vegetable crop for DFI	Extra Rs.3000.0/ha/year	Rs.20000.0	Rs.20000.0	Rs.20000.0	Rs.20000.0
		Use of Organic matter / Crop residue for increase Soil fertility and save money on Chemical fertilizer	Extra Rs.2000.0/ha/year	Rs. 40000.0	Rs. 40000.0	Rs. 40000.0	Rs. 40000.0

		Value addition of Crop production	**Extra Rs.1000.0/ha/year**	**RS. 38000.0**	**RS. 38000.0**	**RS. 38000.0**	**RS. 38000.0**
		Management of LIvestock	**Extra Rs.4000.0/ha/year**	**Rs. 20000.0**	**Rs. 20000.0**	**Rs. 20000.0**	**Rs. 20000.0**
			Total VillageName1	**Rs.568000.0**	**Rs.568000.0**	**Rs.568000.0**	**Rs.568000.0**
2	**Action Plan (including interventions made) for the village name2 and Budget requirement:**	Introduce improved HYV	**Extra Rs.2000.0/ha/year**	**Rs.300000.0**	**Rs.300000.0**	**Rs.300000.0**	**Rs.300000.0**
		Use of balance fertilizer as per Soil health Card	**Extra Rs.1500.0/ha/year**	**Rs. 50000.0**	**Rs. 50000.0**	**Rs. 50000.0**	**Rs. 50000.0**
		Use of Efficient Machinery for reduction of cost(Hand hoe, Happy seeder, Battery operated sprayer, Cono-weeder & Fertilizer broadcaster)	**Extra Rs.1000.0/ha/year**	**Rs.100000.0**	**Rs.100000.0**	**Rs.100000.0**	**Rs.100000.0**
		Introduce cash and Vegetable crop for DFI	**Extra Rs.3000.0/ha/year**	**Rs.20000.0**	**Rs.20000.0**	**Rs.20000.0**	**Rs.20000.0**
		Use of Organic matter / Crop residue for increase Soil fertility and save money on Chemical fertilizer	**Extra Rs.2000.0/ha/year**	**Rs. 40000.0**	**Rs. 40000.0**	**Rs. 40000.0**	**Rs. 40000.0**
		Value addition of Crop production	**Extra Rs.1000.0/ha/year**	**RS. 38000.0**	**RS. 38000.0**	**RS. 38000.0**	**RS. 38000.0**
		Management of LIvestock	**Extra Rs.4000.0/ha/year**	**Rs. 20000.0**	**Rs. 20000.0**	**Rs. 20000.0**	**Rs. 20000.0**
			Total VillageName2	**Rs.568000.0**	**Rs.568000.0**	**Rs.568000.0**	**Rs.568000.0**
			Grand Total	**Rs.1136000.0**	**Rs.1136000.0**	**Rs.1136000.0**	**Rs.1136000.0**

INFORMATION FOR PREPARING **ACTION PLAN 2019-20** OF *IN-SITU* CROP RESIDUE MANAGEMENT

Name of KVK: - Etah **Name of Host organization- R.B.S. College Agra**

A) Name of Villages to be adopted in 2019-20 (villages should be different from the villages adopted under CRM project in 2018-19)

S. No.	Name of village	Name of block	Name of district
1.	Jinawali	Awagarh	Etah
2.	Sahanauwa	Awagarh	Etah
3.	Nagala Runi	Awagarh	Etah
4.	Nagala Ganga	Awagarh	Etah
5.	Gahrana	Nidholi Kalan	Etah

B) Requirement of Machinery

S. No.	**Name of Machinery**	**No. of Machines required (2019-20)**
1.	Happy Seeder	**-**
2.	Paddy straw Chopper/ Shredder/ Mulcher	**-**
3.	Shrub master/ Cutter cum spreader	**-**
4.	Reversible M.B. Plough	**-**
5.	Rotary Slasher	**-**
6.	Zero Till drill	**1**
7.	Rotavator	**-**
8.	Super SMS for Combine Harvester	**-**

C) IEC activities to be conducted

S. No.	**Name of activity**	**Number/Area**
1	Demonstration (ha)	50 Hectare
2	Training courses (Number)	5 No.
3	Kissan Mela (Number)	1 No.
4	Farmer-Scientist interface (Number)	2No.

5	Awareness camps (number At village level At block level At district level	 5No. 2 No. 1 No.
6	Mobilization of school students (Number of schools)	2 No.
7	Mobilization of college students (Number of college)	2 No.

D) Publicity and Advertisement

S. No.	Particulars	Number (s)
1.	Advertisement in Print media	6 No.
2.	Columns/Articles in newspaper and magazines etc. to be published	4 No.
3.	Hoardings to be fixed (at Mandi/ Road side/ Market/ Schools/ Petrol pump/ Panchayat etc.)	20 No.
4.	Jingles on Radio/ TV, Scroll message on TV and Audio-Visual clips to be prepared	2 No.
5.	Poster/ Banner to be prepared	150 No.
6.	Publicity material – leaflets/ pamphlets etc. to be prepared	20000 No.
7.	TV programmes/ panel discussion Doordarshan/ DD-Kisan and other private channels	2 No.
8.	Any other (mention the name) Award for Zero Straw burning	4 No.