-ACTION PLAN PROFORMA FOR THE KVKs OF U.P.

(1st January to 31 December, 2024)

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		
KrishiVigyan 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/No; **Yes** Date when the website last updated:

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 1420

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

a) No. of PC units : 9

b) No. of Printers : 4

c) Internet connection : Yes/No- **Yes**

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

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

1.4. Year of sanction: 1982

1.5. Staff Position (as on 31st August, 2023)

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	143600	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	133500	15-3-96	Permanent	GEN	**9412490890**	dinesh_67mishra@yahoo.co.in	

13	12	11	10	9	8	7	6	5	4	3
Driver	Stenographer	Assistant	Farm Manager	P.A. Computer	P.A., Agronomy	Subject Matter Specialist	Subject Matter Specialist	Subject Matter Specialist (Agro.)	Subject Matter Specialist	Subject Matter Specialist
Sri RN Singh	Sri Sachin Kumar	Sri AnkurRajpoot	Sri. GauravPratap Singh	Sri ArunPratap Singh	Vacant	Smt.Neeraj Singh	Smt.Deepti Singh	Dr. S.K. Singh	Dr. V.Singh	Vacant
Driver	Stenographer	Assistant	Farm Manager	P.A. Computer	P.A. (Agro.)	Subject Matter Specialist Home Science)	Subject Matter Specialist Extension)	Subject Matter Specialist (Agro.)	SMS- Soil Sc.	SMS- Horticulture
MA Eco.	U.G.	M.B.A	M.Sc Ag (Agronomy)	M.B.A.		M.Sc (Food and nutrition)	M.Sc Ag (Extension)	M.Sc Ag (Agronomy)	M.Sc Ag (Soil Sc. & Ag. Chem.)	
5200-20200	5200-20200	9300-34800	9300-34800	9300-34800	9300-34800	15600-39700	15600-39700	15600-39100	15600-39100	15600-39100
4200	2400	4200	4200	4200	4800	5400	5400	5400	5400	5400
50500	30500	35400	38700	36500		57800	57800	71100	122900	
13-6-94	04-02-17	22.02.2021	01.02.2020	22.02.2021		22.02.2021	22.02.2021	01.02.2020	9-7-87	
Permanent	Permanent	Permanent	Permanent	Permanent		Permanent	Permanent	Permanent	Permanent	
OBC	OBC	OBC	GEN	GEN		OBC	GEN	GEN	OBC	
9411848633	**8299204800**	7895227474	**8557083617**	**8077858523**		**957319897**	**8433295917**	**9536093256**	**9719501765**	
-	-						**deeptisingh324 @gmail.com**	Suneel_34@rediffmail.com	-	
										

14	Driver	Sri Hari Shankar	Driver	8th	5200-20200	2800	41600	1-12-02	Permanent	OBC	9758031068	-	
15	Supporting staff	Sri Pushpendra Singh	Supporting staff	10th	5200-20200	2800	46800	14-6-94	Permanent	GEN	9719944683	-	
16	Supporting staff	Sri Rahul Kumar	Supporting staff	10th	5200-20200	1800	19700	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	0.94
3.	Under Crops	17.70
4.	Horticulture	0.16
5.	Pond	0.20
6.	Others if any	6.20

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding		Stage					
				Complete			Incomplete		
		ICAR	RKVY	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	ICAR		1990					
3.	Staff Quarters (6)	ICAR		1986					
4.	Demonstration Units (2)	ICAR		1990					
5	Fencing		RKVY						
6	Rain Water harvesting syste		-						
7	Threshing floor		RKVY						
8	Farm godown		RKVY						
	Other								
9	Green House	ICAR		2017					
10	Mini Seed Processing Unit	ICAR		2017					
11	IFS Modal	ICAR		2017					
12	ICT Lab	ICAR		2017					
13	Technical Information Center	ICAR		2017					
14	Farmer Women Hostel	ICAR		1990					

B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Motor cycle	1986	ICAR	22000	52000	Irreparable
Motor cycle	1995	ICAR	30000	50000	-do-
Tractor	2010	ICAR	500000	10071	Bad condition
Tractor	2022	ICAR	800000	513	New

Jeep	2017	ICAR	708530	149000	Good condition

C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
OHP	1986		Irreparable
Slide Projector	1986		Irreparable
TV &VCD	2003		In use
Camera 1	2006		Irreparable
LCD	2007		In use
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	25.05.2023

2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

2.1 Micro-farming situations

a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Name	Paddy-Wheat, Bajra/maize-Wheat+Cow/Buffalo	Loam
2	AES 2 (Name)	Fallow-Brinjal/tomato/Cole crops, Paddy-Wheat/Mustard-Moong +Cow/Buffalo	Sandy Loam
3	AES 3 (Name)	Paddy-Barley/Wheat	Sodic Soil

b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography
1.	AES-1 (Name)	AES I is having loam soil of average Ph 7.5-8.4 with problem of irrigation water (saline and oily water). Blocks comprising this AES are Jalesar,NidholiAliganj. The soils of this AES low in organic car ban contain.
2.	AES-2 (Name)	AES II Is having sandy loam soil of average ph 7.5-8.0 with good quality irrigation water, canal tube wells irrigated. This AES comprised of Awagarh, Sakit,Marhera, Jaithra, Aliganj. The soil of this AES is deficient in major and micronutrients, alkaline in reaction and low organic carbon contain.
3.	AES-3 (Name)	AES III Is having Sodic soil, average pH 8.5-10.0 with medium quality of irrigation water, canal tube wells irrigated. In This AES comprised of Awagarh, Nidhouli, Aliganj, Sakit Blocks of the district.

c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Name)		
2.	AES-2 (Name)		
3.	AES-3 (Name)		

2.2. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	Paddy	32131	47163	26.65	20.65	
2	Wheat	132602	522202	38.43	13.57	
3	Bajra	34580	116979	25.83		
4	Maize	26254	69431	26.80		
5	Urd	930	737	6.66		
6	Moong	3227	1570	7.46		
7	Mustard	6127	28885	20.69	6.81	
8	Groundmut	877	398	9.94		
9	Tobacco	11305	4434.48	54.61		
10	Potato	12015	11767.87	240.80		

Source: District agriculture department.

2.3. Weather data (2022-23)

S. NO.	Month	Rainfall (mm)	Temperature ^{0}C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
1	January,2022	29	15.71	6.26	68.84	44.78
2	Feb	25	22.43	8.86	75.72	44.11
3	March	1	33.97	17.39	46.04	23.00
4	April	2	41.37	22.94	26.3	12.67
5	May	33	41.59	25.78	33.00	16.26
6	June	174	41.27	27.1	41.1	20.27
7	July	179	33.94	24.75	58.20	36.88
8	Aug	250	34.26	25.36	78.48	47.90
9	Sep	228	34.44	24.87	78.74	48.6
10	Oct	124	31.26	20.42	69.46	41.36
11	Nov	0	29.17	14.04	49.20	30.44
12	Dec	0	24.23	8.30	47.42	30.39
1	January,2023	33	19.84	6.75	66.52	40.62
2	Feb.	0	27.89	11.58	61.86	36.61
3	March	74	31.97	16.26	56.78	30.84
4	April	16	36.74	20.00	38.37	19.5
5	May	114	38.62	22.75	42.42	33.04
6	June	160	39.04	25.24	46.70	27.50
7	July	261	35.09	26.07	70.87	46.42
8	Aug	140	34.80	25.87	68.32	46.09

2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production	Productivity	Productivity gap
Cattle				
Buffalo	683303	Not available		
Sheep	8443	-do-		
Goats	275632	-do-		
Cattle	181435	-do-		
Crossbred				
Indigenous				
Pigs	32118	-do-		
Poultry				
Hens				
Desi				
Category		**Production (q)**	**Productivity**	
Fish (Reservoir)	84.23			

*Statical report

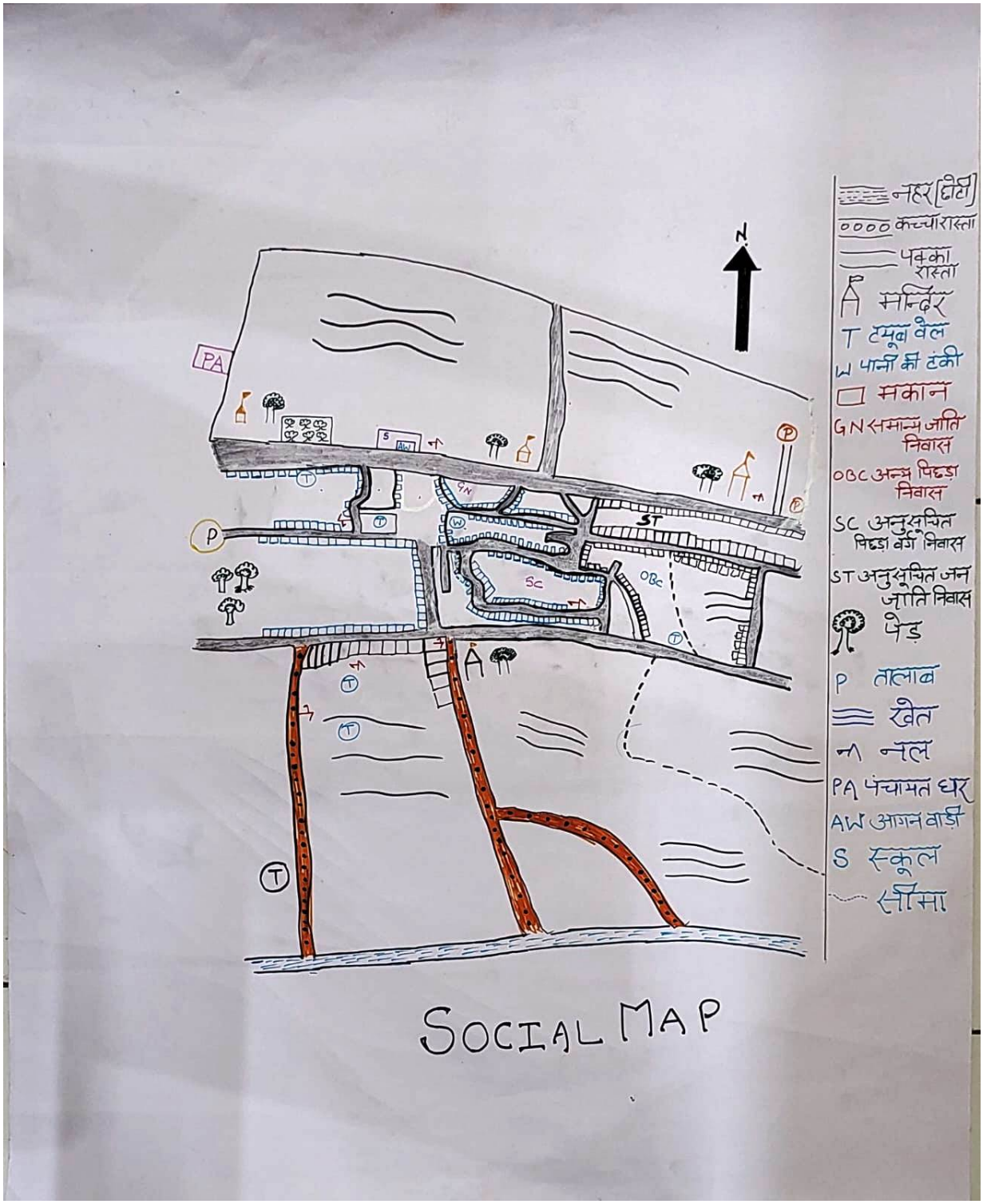
PRA SURVEY REPORT

Name of Village – Hinona
Block- Awagarh, District- Etah

1	**Population**	6023 (Male- 3523, Female- 2500)
2	**No. of Households**	625 (Gen: 135, OBC: 375 , SC 115)
3	**Literacy rate (%)**	75%
4	**Household with major occupation**	Farming: 615Govt Job: 10 Dairying: 580 Fisheries: 00 Business: 20 & Beekeeping: 1
5	**Education Facilities**	
	Aganwadi	01
	Primary school	01
	Secondary School	00
6	**Drinking water facility**	Well (0), Hand pump (255)
7	**Temple**	11
8.	**Medical Facility**	Primary Health Centre (00)
9	**Veterinary services**	(4 km) (Churthara)
10	**Financial services (Banks)**	(4 km)
11	**Dairy facility**	Nearby village (0.5 km)
	farm implements	82
12	**Availability of technology/knowledge source**	KrishiVigyan Kendra (KVK), Awagarh (12km)
13.	**Farm implements**	
	Tractor	20
	Tractor-rotavator	05
	Laser leveller	00
	tube wells	22
	Power thresher	10
14	**Agriculture Scenario**	
	Total geographical area (ha)	480 ha
	Net area sown (ha)	440 ha
	Net Irrigated Area(ha)	440ha
	Major crops-	Paddy- 100 ha., Bajara- 95 ha. Maize- 100 ha., Wheat- 200 ha. Potato- 80 ha., Mustard- 80 ha. Moong- 08 ha. , Groundnut- 08 ha. Chakori- 16 ha., Tomato- 04 ha.. Pea- 04 ha., Chili- 3.6 ha Carrot- 0.4 ha.


सहभागी ग्रामीण मूल्यांकन


सहभागी ग्रामीण मूल्यांकन
(पी.आर.ए.)


N
PA
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AW
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नहर (छोटी)
कच्चा रास्ता
पक्का रास्ता
मन्दिर
T ट्यूब वैल
W पानी की टंकी
मकान
GN सामान्य जाति निवास
OBC अन्य पिछड़ा निवास
SC अनुसूचित पिछड़ा वर्ग निवास
ST अनुसूचित जन जाति निवास
पेड़
P तालाब
खेत
नल
PA पंचायत घर
AW आगन वाड़ी
S स्कूल
सीमा

SOCIAL MAP


P तालाब
T टमूक बेल
रास्ता
LL निचला खेत
ML मध्यम खेत
UL ऊँचा खेत
SP सुअर पालन
BK मधुमक्खी पालन
G बकरी पालन
पशु पालन
S स्कूल
AW आगन वाड़ी
PA पंचायत घर
पेड़
K किराना दुकान
सिमेंट बगीचा
F खाद की दुकान
हैण्ड पम्प
फसल
नहर (छोटी)
PA
S
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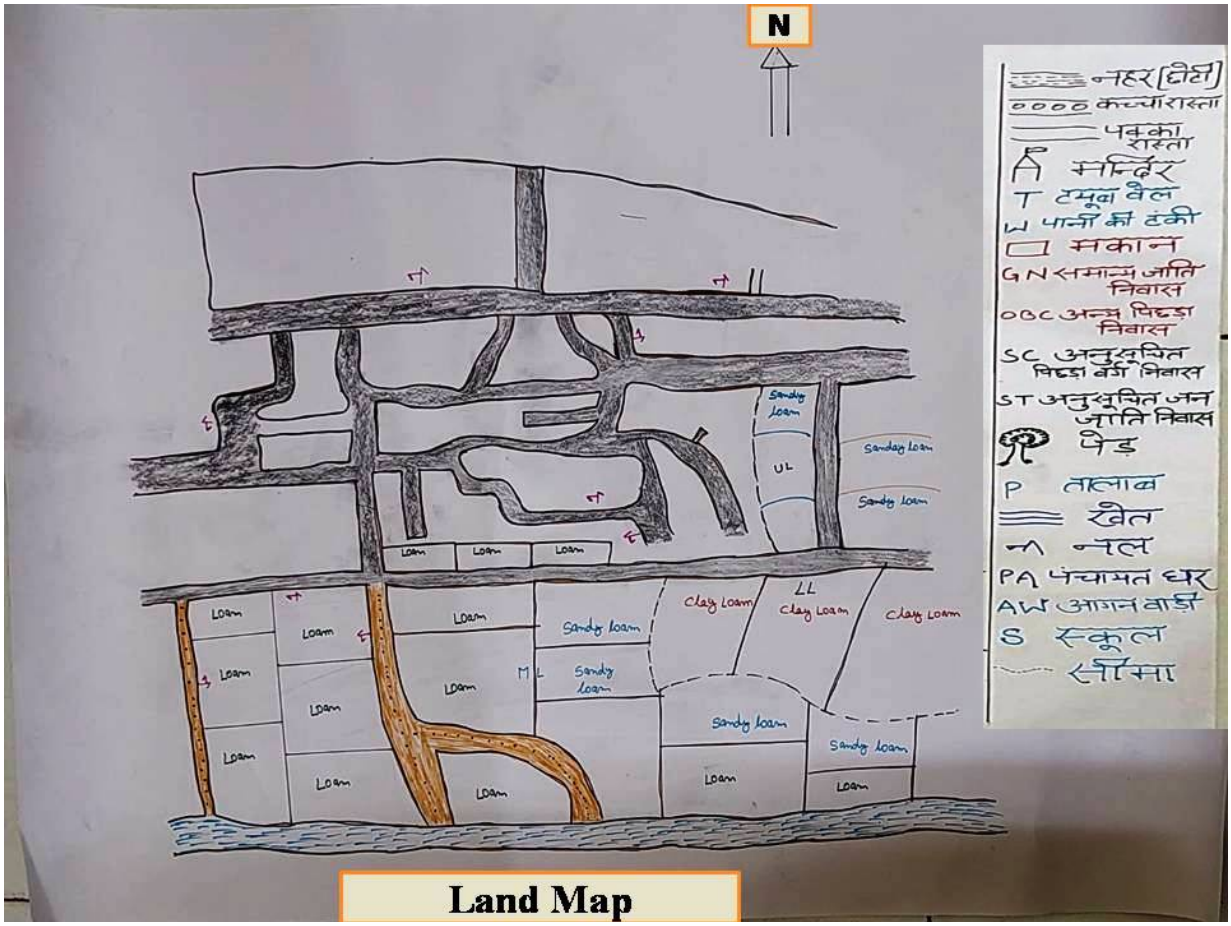
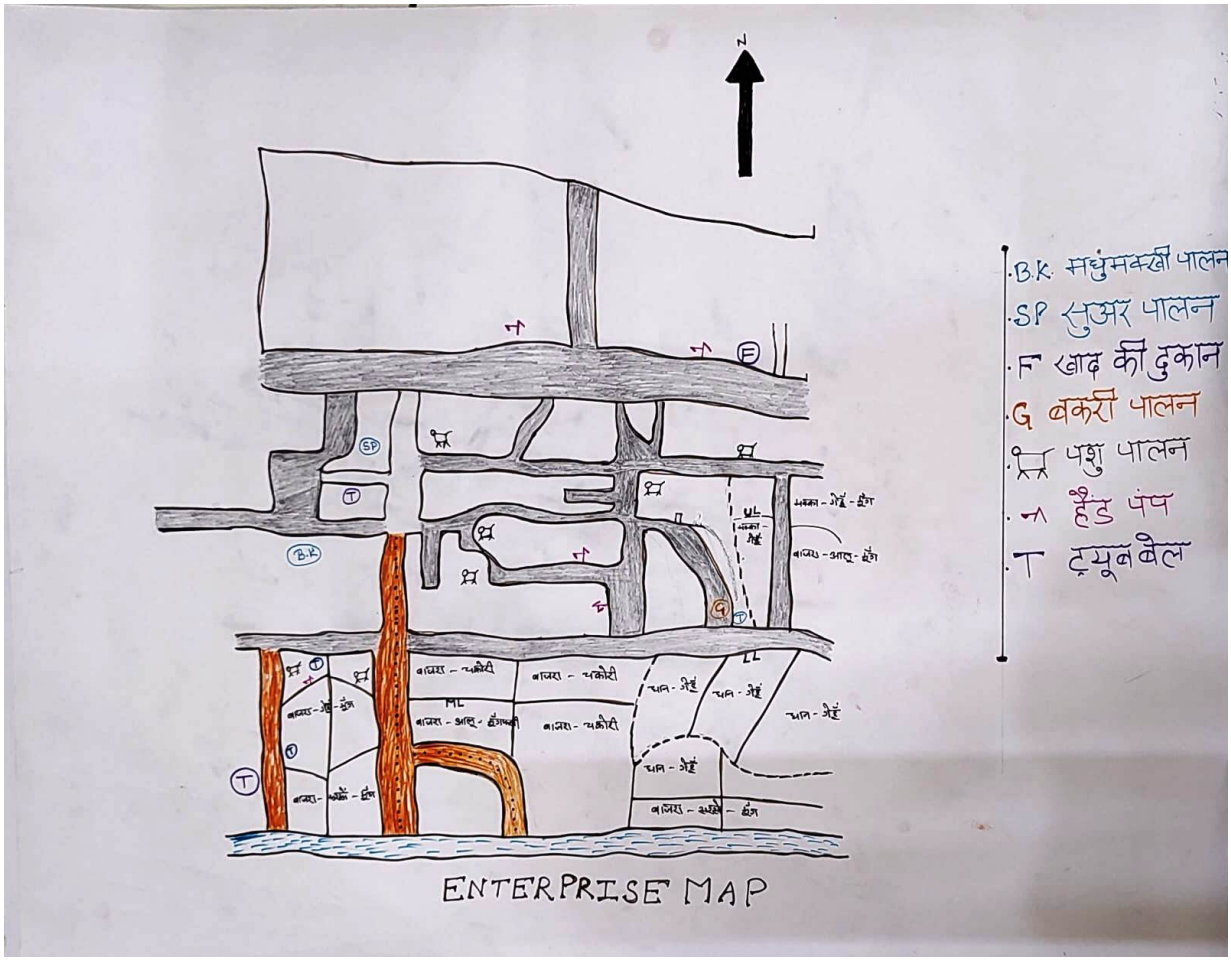
RESOURCE MAP

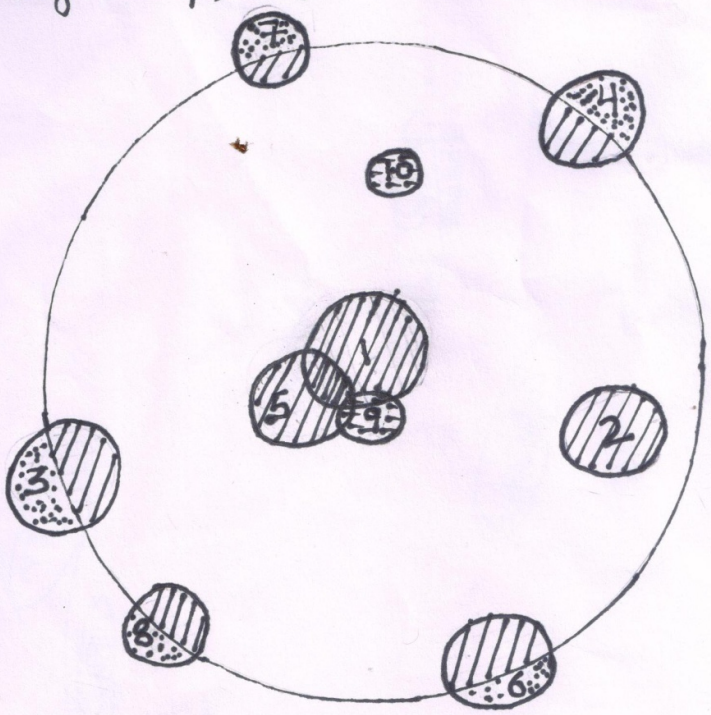

N
नहर (छोटी)
कच्चा रास्ता
पक्का रास्ता
मन्दिर
T टमूक बेल
W पानी की टंकी
मकान
GN सामान्य जाति निवास
OBC अन्य पिछड़ा निवास
SC अनुसूचित पिछड़ा वर्ग निवास
ST अनुसूचित जन जाति निवास
पेड़
P तालाब
खेत
नाल
PA पंचायत घर
AW आगन वाड़ी
S स्कूल
सीमा
Sandy Loam
UL
LL
ML
Loam
Clay Loam
Land Map



ENTERPRISE MAP

VENN DIAGRAM

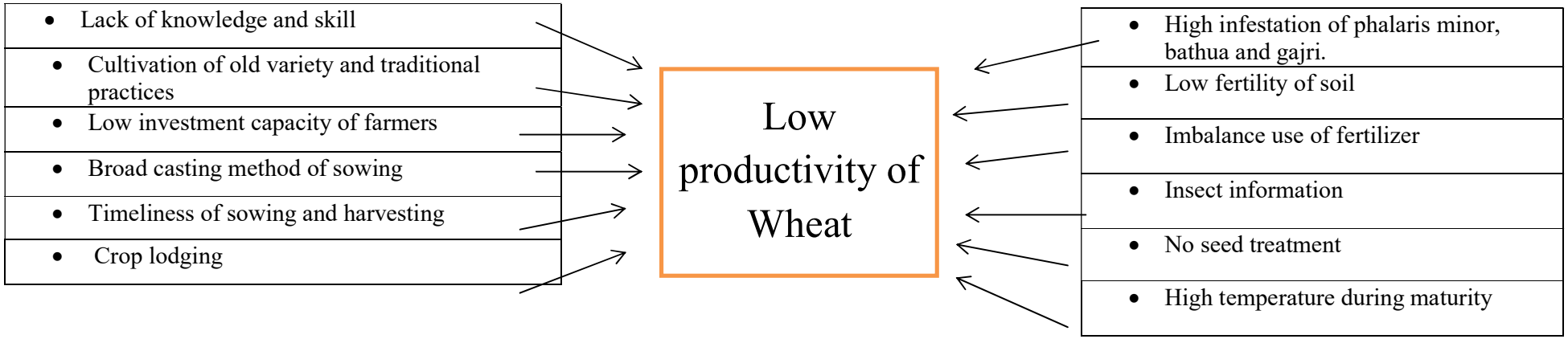
Exploring Crop, vegetable and animal Management



1. Krishi Vigyan Kendra
2. Cooperative Society
3. Private transport
4. U.P. Agriculture Department
5. Krishi Gyan Ganga Magzine
6. Aryavart Gramin Bank
7. Radio Programme
8. Animal Husbandry Department
9. Villager : Raj Kishore Pathak
10. Villager : Veer Pal

VILLAGE : HINONA
BLOCK : AWAGARH
DISTRICT : ETAH

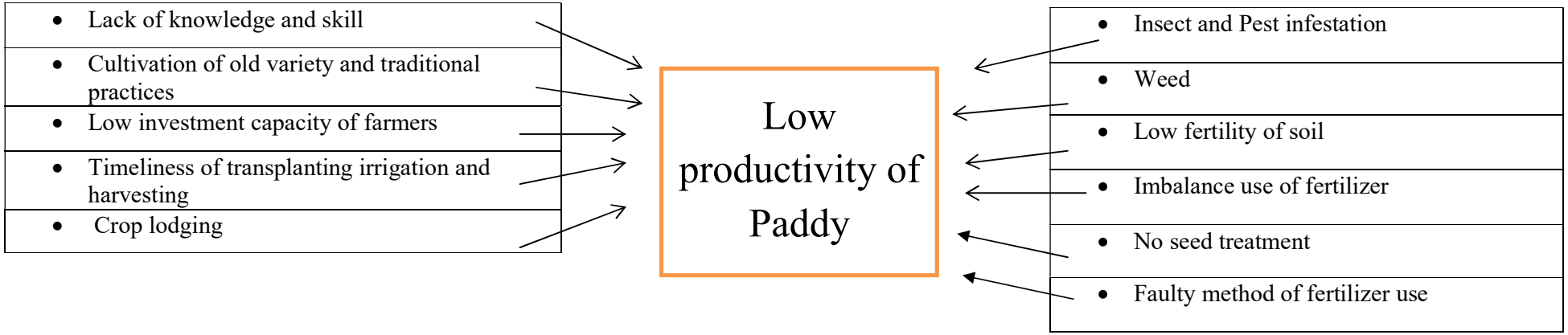
Problem cause diagram of Wheat crop



Socio- Economical Factors

Bio-Physical factors

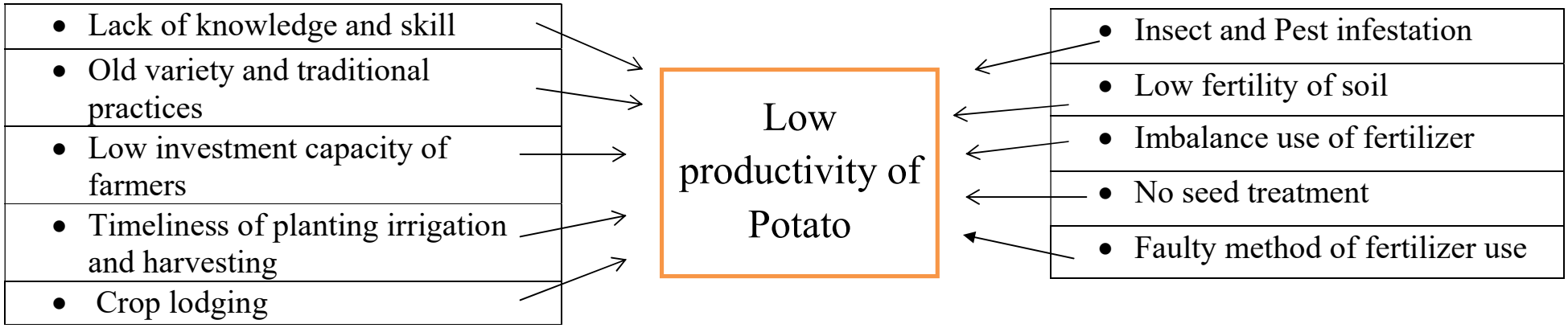
Problem cause diagram of Paddy crop



Socio- Economical Factors

Bio-Physical factors

Problem cause diagram of Potato crop



Socio- Economical Factors

Bio-Physical factors

Constraints, ranking and possible solution

S No	Problem	Cause	Rank	Possible solution
1.	Low productivity of Wheat	High infestation of Phalaris minor Bathua and gajri	I	OFT, FLD & Training
		Low fertility of soil	II	FLD & Training
		Imbalance use of fertilizer	III	FLD & Training
		Lack of knowledge and skill	IV	Training
		Cultivation of old variety and traditional practices	V	FLD & Training
		Low investment capacity of farmers	VI	Training
		Broadcasting method of sowing	VII	FLD & Training
		Timeliness of sowing irrigation and harvesting	VIII	FLD & Training
		Crop lodging	IX	FLD & Training
		Insect infestation	X	FLD & Training
		No seed treatment	XI	FLD & Training
		High temperature during maturity	XII	Training

S No	Problem	Cause	Rank	Possible solution
2.	Low productivity of Paddy	Insect & Pest infestation	I	OFT, FLD & Training
		Low fertility of soil	II	FLD & Training
		Imbalance use of fertilizer	III	FLD & Training
		Lack of knowledge and skill	IV	FLD & Training
		Cultivation of old variety and traditional practices	V	Training

		Low investment capacity of farmers	VI	FLD & Training
		Broadcasting method of sowing	VII	Training
		Timeliness of sowing irrigation and harvesting	VIII	FLD & Training
		Crop lodging	IX	FLD & Training
		No seed treatment	X	FLD & Training
		Faulty method of fertilizer use	XI	FLD & Training

S No	Problem	Cause	Rank	Possible solution
3.	Low productivity of Potato	Insect & Pest infestation	I	OFT, FLD & Training
		Imbalance use of fertilizer	II	FLD & Training
		Low fertility of soil	III	FLD & Training
		Lack of knowledge and skill	IV	Training
		Old variety and traditional practices	V	FLD & Training
		Low investment capacity of farmers	VI	Training
		Timeliness of planting irrigation and harvesting	VII	FLD & Training
		No seed treatment	VIII	FLD & Training
		Faulty method of fertilizer use	IX	FLD & Training

S No	Problem	Cause	Rank	Possible solution
4.	Mortality of Buffalo Calves	Endo-farasites and improper feeding of colostrums	I	OFT, FLD & Training
		Malnutrition	II	FLD & Training
		Disease	III	FLD & Training

		Timely vaccination	IV	FLD & Training
		Lack of veterinary Doctor availability	V	Training
		Veterinary Hospital at remote distance	VI	Training

S No	Problem	Cause	Rank	Possible solution
5.	Impregnation of Buffalo heifers	Anoestrus	I	OFT, FLD & Training
		Availability of artificial insemination facility of remote distance	II	Training
		Malnutrition	III	FLD & Training
		Disease	IV	FLD & Training
		Breed	V	Training

Seasonal Agriculture Calendar

Particulars	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Kharif crop						Y	Y					
Ploughing						Y	Y					
Sowing						Y	Y					
Weeding & hoeing							Y	Y	Y			
Harvesting									Y	Y	Y	
Storage										Y	Y	
Livestock					Y	Y	Y	Y	Y			
Cattle & Buffalo					Y	Y	Y	Y	Y			

Particulars	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Rabi crop									Y	Y	Y	
Ploughing									Y	Y	Y	
Sowing									Y	Y	Y	Y
Weeding & hoeing	Y	Y								Y	Y	Y
Harvesting	Y	Y	Y	Y								
Storage			Y		Y	Y						
Livestock	Y	Y								Y	Y	Y
Cattle & Buffalo	Y	Y								Y	Y	Y
Goat and sheeep	Y	Y								Y	Y	Y

Particulars	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Zaid crop		Y	Y									
Ploughing		Y	Y									
Sowing		Y	Y									
Weeding & hoeing			Y	Y								
Harvesting						Y	Y					

Storage							Y	Y				
Livestock			Y	Y	Y							
Cattle & Buffalo			Y	Y	Y							
Goat and sheeep			Y	Y	Y							

2.5 Details of Operational area / Villages

S.No.	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
1.	Awagarh	Hinona, Nagla Bandha -Block Awagarh,	Paddy, Bajara, Maize, Wheat, Mustard, Potato, Moong, Groundnut, Tomato, Chakori. Pea, Chilli, Carrot		Low productivity of Wheat Low productivity of Paddy Low productivity of Potato Mortality of Buffalo Calves Impregnation of Buffalo heifers	• Availability of new improved Variety seeds • Application of balance fertilizer • Application of balance micronutrient • Weed control • Control of insects and decease • Mineral feeding deworming and vaccination • Skill for maintenance operation and repairing of Agricultural machinery • Skill for self-employment Availability ofimproved agricultural machinery

2.6 Top five major priority thrust areas:

i. Availability of improved variety seeds

ii. Weed Management.

iii. Control of shoot borer and fruit borer

iv. Technical know-how for maintenance, operation and repairing

v. Application of balance fertilizer & water management

3. TECHNICAL PROGRAMME

3 A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
7	40	42.8, 2 Unit 140 No.	292

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
113	2554	116	4474

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
960	18250		300

3 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	IPM	Paddy	Low Yield of Paddy	Management of stem borer of paddy				Field day	Insecticide
2	Weed Management	Wheat	Low Yield due to infestation of weeds	Management of paddy				Field day	Herbicide
3	IDM	Potato	Low yield of potato due infestation of late blight	Management of late blight of potato				Field Day	Fungicide
4	IDM	Paddy	Low Yield of Paddy	Management of falst smut				Field Day	Fundicide
5	Dairy Management	Buffalo	Mortality of buffalo calves due to endo-parasites and improper feeding of colostrums	Effect of dewormer and proper feeding of colostrums In newly born calves				Field Day	Albendozole (tab.)
6	Dairy Management	Buffalo	Anoestrus in buffalo heifers due to micronutrients deficinency and endo parasite infestation	Effect of feeding of mineral mixture and dewormer				Field Day	Librazole kit

7	Vegetable Management	Leafy Vegetables	Fast & Pelage of leafy vegetables	Management of leafy vegetables through Arka high humidity storage box				Field Day	Arka high humidity storage box
8	INM	Moong	Low Yield due to imbalance nutrients		Use balance fertilizer on the basis of SHC			Field day	Soil Testing Report
9	INM	Paddy-PB-1692	Low Yield due to imbalance nutrients		Use balance fertilizer on the basis of SHC			Field day	Soil Testing Report
10	IPM	Paddy	Low Yield		IPM use in paddy			Field day	Chlorantraniliprocle (0.4%)
11	IPM	Mustard	-do-		IPM use in Mustard			Field Day	Fipronil 5%SC 1lit/ha
12	VE	Wheat	-do-		VE in Wheat			Field Day	Seed
13	VE	Sorghum	-do-		VE in sorghum			Field Day	Seed
14	IPM & VE	Garlic	-do-		IPM & VE in Garlic			Field day	Seed + Sulpher + Blitox
15	VE	Okra	Low Yield		Testing of lalima variety			Field day	seed
16	VE	Fodder Barseem	Low Yield		Testing variety bundle barseem- 3			Field Day	Seed
17	Income generation	Oyster Mushroom	Low income		Oyster Mushroom production			Field Day	Bag, spawan& Formaldehyde
18	Nutritional Management	Nutritional Kitchen Garden	Poor health		Household food security by kitchen garden			Field Day	1 unit of seeds & Seedlings
19	Nutritional Management	Nutritional supplement for growing children	Poor health		No cost nutritional supplement			Field Day	Rostedcheckpea flour, seasame seed &Jaggery
20	Technical know-how about Agricultural Machinery	Agril. Engg.	Less technical know-how about Agricultural Machinery			Repair & maintenance of farm machinery & implements	Care and maintenance of farm machinery and implements	Training	-
21	Lowering of ground water level	Recharging of ground water	Lowering of ground water level every year	Assessment of roof top water recharge pit				Field Day	20 feet length of 3 inch pvc pipe

22	-do-	-do-	-do-	Assessment of irrigation cum recharge tube well				Field Day	Two pvc T, two pvc elbow & 20 feet length of 4 inch pvc pipe
23	Availability of improved agriculture machinery	Maze sheller	Labour shortage		Shelling of Maize by Manual maize sheller				100 Maze Sheller
24	-do-	Manual wheel hoe	Labour shortage		Weeding of crops by Manual wheel hoe				10 Manual wheel hoe
25	-do-	Conoweeder	Labour shortage		Weeding of paddy by conoweeder				10 Conoweeder
26	-do-	Groundnut decorticator	Labour shortage		Decorticating of Groundnut by Manual groundnut decorticator				10 Groundnut Decorticator
27	-do-	Battery operated knapsack sprayer	Labour shortage		Spraying of insecticides, fungicides, weedicides and plant nutrients				5 Battery operated knap sac sprayer
28	-do-	Fertilizer broadcaster	Labour shortage		Broadcasting of fertilizers by Fertilizer broadcaster				5 Fertilizer broadcaster
29	-do-	CIAE serrated sickle	Working efficiency		Harvesting of crops (wheat & paddy) by serrated sickle				10 CIAE serrated sickle
30	-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
31	-do-	Mulcher	burning of crop residue		In-situ crop residue cutting			Field Day	Service of Mulcher

3.1 Technologies to be assessed

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										
Seed / Plant production										

Weed Management	1									
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management	1									
Integrated Disease Management	1				1					
Resource conservation technology										
Small Scale income generating enterprises										
other					2					
TOTAL	**3**				**3**					

A.2. Abstract on the number of technologies to be 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								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises	2							
TOTAL	**2**							

OFT-1

Particulars	Contents
Crop/Enterprises	Wheat
Title	Management of Weed
Problem diagnosed	Low yield of wheat due to infestation of weeds
Major Cause	Phalaris minor (40%), Bathua (20%) and gajri (10%)
Production System	Rice based
Farmer's Practices	Farmers practices (Application of Sulphosulphuran 75% + Metsulphuron 5% WG@40g/ha at 30-35 DAS)
Details of technology identified for solution	T1- Application of Sulphosulphuran 75% + Metsulphuron 5% WG@40g/ha at 30-35 DAS T2
	T2- Application of cladinofop 9 % + Metribuzin 20% WP@600g/ha at 30-35 DAS
No. of farmers	5
Critical inputs	Herbicide
Source	ICAR-IIWBR, Karnal
Performance indicator:	
(i) Technical	1. No of Tillers per plant (ii) No of Plants per sqm (iii) Weed population (No/m^2) (iv) Yield (q/ha)
2. Economic	1. Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
3. Social	1. Adoption rate 2. Farmer reaction

OFT-2

Particulars	Contents
Crop/Enterprises	Paddy
Title	Management of Stem borer of Paddy
Problem diagnosed	Low yield of Paddy
Production System	Rice based
Farmer's Practices	Spray of quinolphos @1.0l/ha chlorantraniliprole (Coragen) 18.5 SC@1ml/3 l water) at emergence of white ear
Details of technology identified for solution	T1- (FP) – (Spray of quinolphos @1.0l/ha chlorantraniliprole (Coragen) 18.5 SC@1ml/3 l water) at emergence of white ear)
	T2- Spraying of flubendiamide 20% WG@125g/ha as foliar application at tillering stage
No. of farmers	5
Critical inputs	Insecticides
Source	TNAU, Coimbtore
Performance indicator:	
1. Technical	1- Population of insect/plant 2- No. of infected plant/sqm 3- Yield (q/ha)
2. Economic	1- Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
3. Social	1. Adoption rate 2. Farmer reaction

OFT-3

Particulars	Contents
Crop/Enterprises	Paddy
Title	Management of false smut
Problem diagnosed	Low yield of Paddy
Major Cause	False smut (> 30% panicle affected)
Production System	Rice based
Farmer's Practices	Application of carbendazim after appearance of disease.
Details of technology identified for solution	T1- Application of carbendazim @1.0kg/ha after appearance of disease
	T2- Two spraying of azoxystrobin (18.2%) SC + difenoconozole (11.4%) SC@500 ml/ha at boot leaf stage and milking stage.
No. of farmers	5
Critical inputs	Fungicide
Source	ICAR-CRRI, Cuttack
Performance indicator:	
(i) Technical	Disease intensity (No./ Plant), yield (q/ha)
(ii) Economic	1.Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
(ii) Social	1. Adoption rate 2. Farmer reaction

OFT- 4

Particulars	Contents
Crop/Enterprises	Potato
Title	Management of late blight of potato
Problem diagnosed	Low yield of potato due to infestation of Late Blight of Potato
Farming Situation	Irrigated
Production System	Maize based
Farmer's Practices	Use of 260:225:37 NPK through Urea, DAP and MOP
Details of technology identified for solution	T1- Spray of Mancozeb @2.5kg/ha as profiletic (2-3 times) and Redomil Gold (Metalaxyl 4% + Mancozed 64%)@1.25kg/ha, 2-3 times on occurrence of disease)
	T2- Spray (1-2) of Mencozeb @ 2.5/ha as profiletic and Mancozeb@ 2.0 kg + Dimethomorph@ 1.0kg/ha on occurrence of disease and repetition at 8-10days interval.
No. of farmers	10
Critical inputs	Fungicide
Source	ICAR-CPRI-RS, Modipuram
Cost of Input	Rs. 3000
Performance indicator:	
(i) Technical	1. Tuber Yield (q/ha) 2. Tuber Size (cm) and no. of tubers and total weight/plant 3. Infestation of late blight (%)
(ii) Economic	1.Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
(iii) Social	1. Adoption rate 2. Farmer reaction

OFT- 5

Particulars	Contents
Crop/Enterprises	Buffalo
Title	Effect of dewormer and proper feeding of colostrums in newly born calves.
Problem diagnosed	Mortality of buffalo calved due to endo-parasites and improper feeding of colostrums.
Farmer's Practices	Imbalance feeding
Details of technology identified for solution	T1- Farmer Practice (No use of dewormer and improper feeding of colostrum)
	T2- Albendozole @1.0 ml per kg body weight given in 4 dose at the time 5, 25, 60 and 90 days and proper feeding of colostrums.
No. of farmers	5
Critical inputs	Albendozole
Source	IVRI, Izzatnagar
Performance indicator:	

(i) Technical	No. of cure Animal
(ii) Economic	1. Additional cost of profit 2. C.B. Ratio
(iii) Social	1. Adoption rate 2. Farmer reaction

OFT- 6

Particulars	Contents
Crop/Enterprises	Buffalo
Title	Effect of feeding of mineral mixture and dewormer
Problem diagnosed	Anoestrus in buffalo heifers due to micronutrient deficiency and endo parasite infestation. .
Farmer's Practices	Imbalance feeding
Details of technology identified for solution	T1- Farmer Practice (No use of dewormer)
	T2- Mineral mixture (50 gm /head/day for 120 days) and dewormer (1st and 60 days) Librazole kit
No. of farmers	5
Critical inputs	Librazole Kit
Source	IVRI, Izzatnagar
Performance indicator:	
(iv) Technical	No. of cure Animal
(v) Economic	1. Additional cost of profit 2. C.B. Ratio
3. Social	1. Adoption rate 2. Farmer reaction

OFT- 7

Particulars	Contents
Crop/Enterprises	Leafy vegetables.
Title	Management of Leafy vegetables through Arka high humidity storage box.
Problem diagnosed/Cause	Fast & pelage of leafy vegetables.
Details of technology identified for solution	T1- Using wet Jute bag.
	T2- Using Arka high humidity storage box.
No. of farmers	05
Critical inputs	Arka high humidity storage box.
Source	ICAR- IIHR Bangalore
Performance indicator:	
(i) Technical	Safe storage life of vegetables (days)
(ii) Economic	C.B. Ratio
(iii) Social	1. Adoption rate 2. Farmer women reaction

3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception
1	Paddy	IPM	Management of stem borer	Chlorantraniliprocle (0.4%) 4kg/acre	Kharif 2024	10	25	Yield C:B ratio, No. of effected plant/m^2
2	Sorghum	VE	Promote millets production	CSH- 18 Seed 15kg/ha,	Kharif 2024	3	5	Yield C:B ratio,
3	Wheat	VE	More productivity	DBW- 187 Seed 125 kg	Rabi 2024-25	10	25	Yield C:B ratio, No. of tillers/plant
4	Mustard	IPM	Management of sucking pest	Fipronil 5%SC 1lit/ha	Rabi 2024-25	5	15	Yield C:B ratio
5	Moong	INM	Use of balance fertilizer on the basis of soil health card	Soil Health Card	Summer 2024	0.4	1	Yield C.B. ratio
6	Paddy	INM	Use of balance fertilizer on the basis of soil health card	Soil Health Card	Kharif 2024	0.4	1	Yield C.B. ratio
7	Garlic	ICM	Enhance production & Management of fungal disease	Agri Found Parvati Seed + Sulpher@25kg/h+ Blitox-50 @ 0.5 ml/L water	Rabi-2024	1	5	1-Yield Q/Ha. 2- Size of the Bulb 3- weight of Bulb and no. of cloves in a bulb 4-C:B ratio
8	Okra	ICM	Enhance production & Management of wilt	ArkaAnamikaSeed+Tricoderma	Rabi- 2024	1	10	1.Yield Q/ha. 2.C:B ratio and length of the fruits.
9	Fodder Barseem	Feed and fodder technology	Demonstration of high yielding variety	bundelbarseem – 3 Seed- 25 kg. total Rs. 12500/- approx	Rabi- 2024	1.0	10	Per Square meter cutting weight (kg.) yield/ha. (qt.) B.C. Ratio
10	Mushroom production	Income generation	Oyster Mushroom production	Bag, spawan, Formaldehyde	Rabi- 2024	2 unit	20	1.Yield Q/ha. 2.C:B ratio
11	Nutritional Kitchen Garden	Poor health due to lack of nutritional diet	Household food security	1 unit of different Vegetables Seed & Seedlings	Through out the year	1	10	Yield Profit Nutritional
12	Nutritional Supplement for growing children	Design and development of high Nutrient diet	No cost nutritional supplement (Sattu)	Roasted chick pea flour, Seasame Seed & Jiggery	Kharif	-	05	Nutritional Acceptablity
				Total		**32.8**	**112**	

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	11	Feb, March, June, Sep.	220
2	Farmers Training	11	July, Oct., June	220
3	Media coverage	10		
4	Training for extension functionaries	5		125

C. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Technology for demonstration	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Maize Sheller	Shelling of maize	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	Weeding of crops	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	Weeding of paddy	Paddy	Kharif	10	2 ha.	Cono-Weeder	1. Capacity (ha/hr) 2. Cost of operation (Rs./ha) 3. Plant damage (%)
Ground nut Decorticator	Decorticating of groundnut	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	Spraying of different solutions	All crop	Whole year	5	5 No.	Battery operated knapsack sprayer	1 Capacity (ha/hr) 2 Operating cost(Rs/ha)
Fertilizer Broadcaster	Broadcasting of fertilizer	Wheat	Rabi	5	5 No.	Fertilizer broadcaster	1 Capacity (ha/hr) 2 Operating cast (Rs./hr)
CIAE serrated sickle	Harvesting of crops	Wheat	Rabi	10	10 No.	CIAE serrated sickle	Harvesting capacity (ha/day) Teeth grinding interval (ha) Harvesting cost (Rs./ha)
Super Seeder	Management of paddy residue with timely sowing	Wheat	Rabi	5	4 ha	Service of Super Seeder	1. Yield (qt. /ha) 2. Cost of Cultivation (Rs./ha.) 3. C.B. Ratio.
Mulcher	Management of paddy residue	Paddy	Rabi	5	4 ha	Service of Mulcher	1.Yield (qt. /ha) 2. Cost of cultivation (Rs./ha) 3. C:B ratio

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	10	-	10	5	-	5	15
Seed production	1	15	-	15	5	-	5	20
Integrated Crop Management	4	60	-	60	20	-	20	80
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	25	10	35	5	-	5	40
Exotic vegetables like Broccoli	1	10	5	15	5	5	10	25
Export potential vegetables	1	10	-	10	5	-	5	15
Training and Pruning	1	10	-	10	-	-	-	10
e) Tuber crops								
Production and Management technology	2	35	-	35	10	5	15	50
f) Spices								

Production and Management technology	1	15	10	25	5	5	10	35
III Soil Health and Fertility Management								
Soil fertility management	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
Micro nutrient deficiency in crops	1	10	-	10	5	-	5	15
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	20	20	-	10	10	30
Design and development of low/minimum cost diet	1	-	10	10	-	05	05	15
Designing and development for high nutrient efficiency diet	1	-	10	10	-	05	05	15
Minimization of nutrient loss in processing	1	-	10	10	-	05	05	15
Storage loss minimization techniques	1	-	10	10	-	05	05	15
Value addition	1	-	10	10	-	05	05	15
Women and child care	3	-	30	30	-	15	15	45
VI Agril. Engineering								
Repair and maintenance of farm machinery and implements	7	180	-	180	48	-	48	228
IX Production of Inputs at site								
Vermi-compost production	1	10	-	10	5	-	5	15
X Capacity Building and Group Dynamics								
Leadership development	1	10	5	15	5	0	5	20
Formation and Management of SHGs/FPOs etc	1	10	5	15	5	0	5	20
Entrepreneurial development of farmers/youths	1	10	5	15	10	0	10	25
TOTAL	**39**	**450**	**140**	**590**	**153**	**65**	**218**	**808**
(B) RURAL YOUTH								
Mushroom Production	1	10	5	15	5	0	5	20
Seed production	1	15	5	20	5	-	5	25
Repair and maintenance of farm machinery and implements	1	30	-	30	8	-	8	38
Nursery Management of Horticulture crops	1	10	-	10	-	-	-	10
Value addition	1	-	20	20	-	5	5	25
TOTAL	**5**	**65**	**30**	**95**	**18**	**5**	**23**	**118**
(C) Extension Personnel								
Integrated Pest Management	1	20	-	20	-	-	-	20
Formation and Management of SHGs	1	10	5	15	5	0	5	20
Capacity building for ICT application	1	10	5	15	5	0	5	20
WTO and IPR issues	2	55	-	55	15	-	15	70
Low cost and nutrient efficient diet designing	1	-	20	20	-	10	10	30
Gender mainstreaming through SHGs	1	10	-	10	5	-	5	15
TOTAL	**7**	**105**	**30**	**135**	**30**	**10**	**40**	**175**
G. Total	**51**	**620**	**200**	**820**	**201**	**80**	**281**	**1101**

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
Nursery management	2	20	-	20	10	-	10	30
Integrated Crop Management	5	70	-	70	20	-	20	90
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	4	45	10	55	13	2	15	70
Export potential vegetables	1	15	-	15	5	-	5	20
Layout and Management of Orchards	2	20	-	20	5	-	5	25
e) Tuber crops								
Production and Management technology	3	35	15	50	15	-	15	65
f) Spices								
Production and Management technology	3	40	10	50	10	-	10	60
III Soil Health and Fertility Management								
Soil and Water Conservation	2	20	-	20	10	-	10	30
Production and use of organic inputs	2	20	-	20	10	-	10	30
Micro nutrient deficiency in crops	1	10	-	10	5	-	5	15
Soil and Water Testing	5	50	-	50	25	-	25	75
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	-	40	40	-	10	10	50
Design and development of low/minimum cost diet	3	-	60	60	-	15	15	75
Designing and development for high nutrient efficiency diet	1	-	20	20	-	5	5	25
Minimization of nutrient loss in processing	1	-	20	20	-	5	5	25
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	20	20	-	5	5	25
Value addition	3	-	60	60	-	15	15	75
Location specific drudgery reduction technologies	1	-	20	20	-	5	5	25
Women and child care	1	-	20	20	-	5	5	25
VI Agril. Engineering								
Repair and maintenance of farm machinery and implements	14	420	-	420	98	-	98	518
X Capacity Building and Group Dynamics								
Formation and Management of SHGs(HS)	1	15	0	15	5	0	5	20
Mobilization of social capital	1	15	0	15	0	5	5	20
Entrepreneurial development of farmers/youths (Agro.)	1	10	5	15	5	0	5	20
TOTAL	**62**	**835**	**300**	**1135**	**246**	**72**	**318**	**1453**

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	40	-	40	15	-	15	55
Seed production	1	15	-	15	5	-	5	20
Nursery management	2	20	-	20	10	-	10	30
Integrated Crop Management	9	130	-	130	40	-	40	170
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	6	70	20	90	18	2	20	110
Exotic vegetables like Broccoli	1	10	5	15	5	5	10	25
Export potential vegetables	2	25	-	25	10	-	10	35
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	3	30	-	30	5	-	5	35
e) Tuber crops								
Production and Management technology	5	70	15	85	25	5	30	115
f) Spices								
Production and Management technology	4	55	20	75	15	5	20	95
III Soil Health and Fertility Management								
Soil fertility management	3	30	-	30	15	-	15	45
Integrated Nutrient Management	1	10	-	10	5	-	5	15
Production and use of organic inputs	3	30	-	30	15	-	15	45
Micro nutrient deficiency in crops	2	20	-	20	10	-	10	30
Soil and Water Testing	5	50	-	50	25	-	25	75
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	-	60	60	-	20	20	80
Design and development of low/minimum cost diet	4	-	70	70	-	20	20	90
Designing and development for high nutrient efficiency diet	2	-	30	30	-	10	10	40
Minimization of nutrient loss in processing	2	-	30	30	-	10	10	40
Storage loss minimization techniques	2	-	30	30	-	10	10	40
Value addition	4	-	70	70	-	20	20	90
Location specific drudgery reduction technologies	1	-	20	20	-	5	5	25
Women and child care	4	-	50	50	-	20	20	70
VI Agril. Engineering								
Repair and maintenance of farm machinery and implements	21	600	-	600	146	-	146	746
IX Production of Inputs at site								
Vermi-compost production	1	10	-	10	5	-	5	15
X Capacity Building and Group Dynamics								
Leadership development	1	10	5	15	5	0	5	20
Formation and Management of SHGs	2	25	5	30	10	0	10	40
Mobilization of social capital	1	15	0	15	0	5	5	20
Entrepreneurial development of farmers/youths	2	20	10	30	15	0	15	45
TOTAL	**101**	**1285**	**440**	**1725**	**399**	**137**	**536**	**2261**
(B) RURAL YOUTH								
Mushroom Production	1	10	5	15	5	0	5	20
Seed production	1	15	5	20	5	-	5	25
Repair and maintenance of farm machinery and implements	1	30	-	30	8	-	8	38
Nursery Management of Horticulture crops	1	10	-	10	-	-	-	10
Training and pruning of orchards								
Value addition	1	-	20	20	-	5	5	25
TOTAL	**5**	**65**	**30**	**95**	**18**	**5**	**23**	**118**
(C) Extension Personnel								
Integrated Pest Management	1	20	-	20	-	-	-	20
Formation and Management of SHGs	1	10	5	15	5	0	5	20
Capacity building for ICT application	1	10	5	15	5	0	5	20
WTO and IPR issues	2	55	-	55	15	-	15	70
Low cost and nutrient efficient diet designing	1	-	20	20	-	10	10	30

Gender mainstreaming through SHGs	1	10	-	10	5	-	5	15
Total	**7**	**105**	**30**	**135**	**30**	**10**	**40**	**175**
G. TOTAL	**113**	**1455**	**500**	**1955**	**447**	**152**	**599**	**2554**

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	11	170	30	200	5	2	7	175	32	207
KisanMela	2	800	300	1100	12	2	14	812	302	1114
KisanGhosthi	3	250	70	320	15	-	15	265	70	335
Exhibition	2	100	20	120	5	1	6	105	21	126
Film Show	2	65	35	100	2	2	4	67	37	104
Group meetings	2	50	10	60	-	-	-	50	10	60
Newspaper coverage	24									
Radio talks	3									
TV talks	4									
Popular articles	8									
Extension Literature	4									
Advisory Services	1	100	-	100	-	-	-	100	-	100
Scientific visit to farmers field	20	100	10	110	-	-	-	100	10	110
Farmers visit to KVK	1	15	-	15	-	-	-	15	-	15
Ex-trainees Sammelan	1	50	10	60	5	-	5	55	10	65
Soil test campaigns	2	40	-	40	2	-	2	42	-	42
Farm Science Club Conveners meet	2	40	-	40	2	-	2	42	-	42
Self Help Group Conveners meetings	2	30	10	40	3	-	3	33	10	43
Celebration of important days (specify)	10	800	200	1000	12	2	14	812	202	1014
Any Other (Farmer Scientist Interaction, Swachhata Mission, Jal Shakti Abhiyan Awareness Camp)	12	848	235	1083	12	2	14	860	237	1097
Total	**116**	**3458**	**930**	**4388**	**75**	**11**	**86**	**3533**	**941**	**4474**

3.5 Target for Production and supply of Technological products

A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	Pusa-1718, Pusa-1847, Pusa-1692	650.00
	Wheat	DBW-187,DBW-303, KRL-283	275.00
OILSEEDS			
	Mustard	DRMR- 150-35	35.00
PULSES			
		Total	**960.00**

B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			

	Papaya	Pant-5	100
	Lemon	Yureka	50
SPICES			
VEGETABLES	Cauliflower	Kashi Gobi	2000
	Cabbage	PusaMukta, Kranti	2500
	Tomato	K-25	6000
	Onion	AFLR	150Kg
	Chilli	PJ	2500
	Chilli	PJ-502	3000
	Brinjal	Navkiran	2000
FOREST SPECIES			
ORNAMENTAL CROPS	Marrigold	PB	5000
	Crysinthimum	Local	5000
	Holihok	Local	2000
	Verbena perinial		2000
	Gliardia		2500
	Rose		250
	Ashok		1000
	Duranta		500
		Total	

C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES	**E fotida**		**500**	
1			**1600**	
2				

D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
			22	**01**
GOAT		Barbari		
SHEEP			**100**	**01**
POULTRY		Kari Nirbhik, KadakNath		
Pig farming			5000	01
FISHERIES		Rohu, kathla, Naina		

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	Number
1	Research paper each scientist	6
2	Technical reports	
3	News letters	
4	Training manual all discipline	
5	Popular article	6
6	Extension literature	6
	Total	**18**

3.7. Success stories/Case studies identified for development as a case. -

a. Brief introduction/Background

b. Interventions/process

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

i) PRA

ii) Problem identified from Matrix based ranking & analysis

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	300	15	2100
Water				
Plant				
Total				

4.0 LINKAGES

4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	State Deptt. of Agriculture	Training, Gosthi, Field day, KisanMela	
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.	ShreyasGramin 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	Outcome of linkage
1			
2			

5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1		
2		
	Total	

6. Partnership with departments for technology out scaling (proposed) :

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. Total
				M	F	T	M	F	T	
Crop Production										
12-15-03.24	PF	Improved Variety & Balance Fertilizer in Moong	4	20	-	20	-	-	-	20
17-20.06.24	PF	Millets production Technology	4	20	-	20	5	-	5	25
14-17.08.24	PF	Weed control by natural farming in paddy	4	20	-	20	5	-	5	25
17-20.09.24	PF	Plant protection by natural farming in paddy	4	20	-	20	-	-	-	20
08-11.10.24	PF	Scientific cultivation of mustard	4	20	-	20	5	-	5	25
10-13.11.24	PF	Natural farming of Wheat	4	20	-	20	5	-	5	25
Horticulture										
05-06.01.2024	PF	INM in Garlic & Onion	2	15	10	25	5	5	10	35
8-9.02.2024	PF	INMin Potato	2	25	-	25	5	-	5	30
12-12.03.24	PF	Scientific cultivation of baby corn	2	10	-	10	5	-	5	15
9-10.04.24	PF	Machan per kadduvargutasabjiyokikheti	2	25	-	25	5	-	5	30
11-12.06.24	PF	Layout plan for orchard	2	10	-	10	5	-	5	15
25-26.07.24	PF	Weed management in cucurbits	2	10	5	15	5	-	5	20
28-29.10.24	PF	INM in potato crop	2	10	-	10	5	5	10	20
17-18.12.24	PF	cultivation of cole (Cauliflower, cabbage and	3	10	5	15	5	5	10	25

		broccoli) crops								
Agril. Engg.										
19-22.01.2024	PF	Maintenance of tractor battery	4	25	-	25	6	-	6	31
19-22.02.2024	PF	Solar irrigation pump maintenance, repairing and operation	4	25	-	25	6	-	6	31
11-14.03.2024	PF	Operation and maintenance of electric motor pumping set	4	20	-	20	5	-	5	25
01-04.05.2024	PF	Solar electric fencing installation and maintenance	4	30	-	30	10	-	10	40
03-06.06.2024	PF	Operation maintenance and repairing of tube wells	4	20	-	20	7	-	7	27
11-14.09.2024	PF	Solar dryer installation, maintenance and use	2	30	-	30	7	-	7	37
23-26.09.2024	PF	Maintenance of battery operated Knap sack sprayer	2	30	-	30	7	-	7	37
Home Sc.										
18-21.01.2024	FW	Care of Kitchen Garden	4	-	10	10	-	5	5	15
14.02. 2024	FW	Value addition locally available vegetable	4	-	10	10	-	5	5	15
12.03.2024	FW	Women and Child care with use of course grain an awareness programme	4	-	10	10	-	5	5	15
16-17.04.2024	FW	Storage of Seed & Grain	2	-	10	10	-	5	5	15
06-09.05.2024	FW	Food processing & value addition	4	-	10	10	-	5	5	15
04-07.06.2024	FW	Design and development of high Nutrient efficient and low cost diet	4	-	10	10	-	5	5	15
11-14.07.2024	FW	Importance of Nutritional kitchen garden	4	-	10	10	-	5	5	15
13-16.11.2024	FW	Designing of calcium Rich diet for pregnant and lactating women	4	-	10	10	-	5	5	15
25-28.12.2024	FW	Benefits of Millets value addition	4	-	10	10	-	5	5	15
Soil health										
05.01.2024	PF	Production and use of organic inputs	1	10	-	10	5	-	5	15
19.02.2024	PF	Integrated Nutrient Management	1	10	-	10	5	-	5	15
23.08.2024	PF	Soil Fertility Management	1	10	-	10	5	-	5	15
20.12.2024	PF	Micro nutrient deficiency in crop.	1	10	-	10	5	-	5	15

i) Farmers & Farm women (Off Campus)

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	
Crop Production										
09.01.24	PF	Weed control by natural farming in wheat	1	20	-	20	5	-	5	25
02.04.24	PF	Scientific cultivation og Green Gram	1	20	-	20	5	-	5	25
14.05.24	PF	Plant protection in pulse	1	20	-	20	5	-	5	25
20.07.24	PF	Plant protection in paddy	1	20	-	20	5	-	5	25
15.09.24	PF	Plant protection by natural farming in maize	1	20	-	20	5	-	5	25
12.10.24	PF	Use of sulphur in mustard	1	10	-	10	-	-	-	10
10.12.24	PF	Weed management in wheat	1	20	-	20	5	-	5	25
Horticulture										
08.01.24	PF	INM in Cole (Cauliflower, cabbage & broccoli) crops	1	15	5	20	3	2	5	25
11.01.24	PF	Scientific transplanting method of onion seedlings	1	15	5	20	-	-	-	20
20.02.24	PF	IPM in Mango Orchard	1	15	-	15	-	-	-	15
23.02.24	PF	Plant protection in Potato (Blight)	1	10	5	15	5	-	5	20
27.02.24	PF	IPM in Garlic and Onion crops	1	15	5	20	5	-	5	25

22.03.24	PF	Post-harvest management in Potato	1	10	5	15	5	-	5	20
08.04.24	PF	3G Cutting in cucurbits	1	10	-	10	-	-	-	10
09.05.24	PF	Plant production in cucurbits	1	10	5	15	5	-	5	20
27.06.24	PF	Preparation of pits for transplanting of fruits plant	1	5	-	5	5	-	5	10
25.09.24	PF	INM in Garlic	1	10	-	10	5	-	5	15
16.10.24	PF	Scientific cultivation in Cole crops	1	10	-	10	5	-	5	15
12.11.24	PF	Cultivation of baby corn	1	15	-	15	5	-	5	20
20.11.24	PF	Weed management in Potato	1	15	5	20	5	-	5	25
Agril. Engg.										
06-10.01.2024	PF	Maintenance of tractor battery	4	25	-	25	6	-	6	31
10-14.02.2024	PF	Solar irrigation pump maintenance, repairing and operation	4	25	-	25	6	-	6	31
04-07.03.2024	PF	Operation and maintenance of electric motor pumping set	4	20	-	20	5	-	5	25
15-18.04.2024	PF	Solar electric fencing installation and maintenance	4	30	-	30	10	-	10	40
5-8.08.2024	PF	Operation maintenance and repairing of tube wells	4	20	-	20	7	-	7	27
11-14.09.2024	PF	Solar dryer installation, maintenance and operation	4	30	-	30	7	-	7	37
25-28.09.2024	PF	Maintenance of battery operated Knap sack sprayer	4	30	-	30	7	-	7	37
Home Sc.										
08.01.24	PF	INM in Cole (Cauliflower, cabbage & broccoli) crops	1	15	5	20	3	2	5	25
11.01.24	PF	Scientific transplanting method of onion seedlings	1	15	5	20	-	-	-	20
20.02.24	PF	IPM in Mango Orchard	1	15	-	15	-	-	-	15
23.02.24	PF	Plant protection in Potato (Blight)	1	10	5	15	5	-	5	20
27.02.24	PF	IPM in Garlic and Onion crops	1	15	5	20	5	-	5	25
22.03.24	PF	Post-harvest management in Potato	1	10	5	15	5	-	5	20
08.04.24	PF	3G Cutting in cucurbits	1	10	-	10	-	-	-	10
09.05.24	PF	Plant production in cucurbits	1	10	5	15	5	-	5	20
27.06.24	PF	Preparation of pits for transplanting of fruits plant	1	5	-	5	5	-	5	10
25.09.24	PF	INM in Garlic	1	10	-	10	5	-	5	15
16.10.24	PF	Scientific cultivation in Cole crops	1	10	-	10	5	-	5	15
12.11.24	PF	Cultivation of baby corn	1	15	-	15	5	-	5	20
20.11.24	PF	Weed management in Potato	1	15	5	20	5	-	5	25
Plant Protection										
Fisheries										
Soil health										
10.01.24, 25.01.24	PF	Soil Fertility Management	2	20	-	20	10	-	10	30
07.02.24, 21.03.24	PF	Production and use of organic inputs	2	20	-	20	10	-	10	30
12.06.24	PF	Micro nutrient deficiency in crop	1	10	-	10	5	-	5	15
10.04.24, 15.05.24, 17.07.24, 11.09.24, 23.10.24	PF	Soil and water testing	5	50	-	50	25	-	25	75

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	
Crop	Income generating	Wheat seed production	Nov.	4	15	5	20	5	-	5	25

production											
Agril. Engg.	Self employment	Solor plant installation, repairing & maintenance	17 to 27 June 2024	10	30	-	30	8	-	8	38
Home Science	Women Empowerment	Value added product from millets	Nov.	4	-	20	20	-	5	5	25
Horticulture	Self employment	Vegetable & Fruits Nursery Management for Rural Youth	March	5	10	-	10	-	-	-	10

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										
Crop production	EF	Integrated Pest Management	2	20	-	20	-	-	-	20
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
Home Science	EF	Preparation of Nutritious food from locally available grain	2	-	20	20	-	10	10	30
Horticulture	EF	Natural farming of vegetables	2	10	-	10	-	-	-	10
Soil Science	EF	Production and use of organic inputs-Nadap Compost &Vermi Compost.	1	10	-	1	5	-	5	15