

ACTION PLAN, January to December 2024

GENERAL INFORMATION ABOUT THE KVK

Introduction:

Krishi Vigyan Kendra, Gandhar, Jehanabad established in March 2006 which is situated at a distance of 15 km from railway station and bus stand , Jehanabad on Arwal -Biharsharif National highway-110. The center is working for welfare of farming community.

Geographically, Jehanabad is located between 24°15' and 27°31'N (latitude), 83°20' and 88°19'E (longitude) at an altitude of 54 M from mean sea level. With its headquarter at Jehanabad town, it covers the total land area of 1569 sq. km. accommodating 15,11,406 people as human population. It consists of seven Blocks namely Jehanabad, Kako, Modanganj, Makhdumpur, Ghosi and Hulasganj, Ratni Faridpur. From North-East-South to West, the area under Jehanabad district touches the boundary of Patna, Nalanda, Gaya and Arwal districts. Krishi Vigyan Kendra is situated in Modanganj block of Jehanabad.

Name of the KVK: Jehanabad

Address	Telephone	E mail
Dr. Muneshwar Prasad, Sr. Scientist & Head, KVK, Vill.- Gandhar, Block- Modanganj, Dist.- Jehanabad, PIN-804432	8102372649	Jehanabadkvk@gmail.com

1. Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Bhagalpur, (Sabour) PIN – 848125	0641-2458611	0641- 2452604	deebausabour@gmail.com

2. Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Sr. Scientist & Head	Dr. Muneshwar Prasad	Sr. Scientist & Head	Permanent	SC
2	Subject Matter Specialist	Er. Jeetendra Kumar	Subject Matter Specialist	Permanent	OBC
3	Subject Matter Specialist	Dr. Manoj Kumar	Subject Matter Specialist	Permanent	Others
4	Subject Matter Specialist	Dr. Dinesh Mahto	Subject Matter Specialist	Permanent	Others
5	Subject Matter Specialist	Dr. Wajid Hasan	Subject Matter Specialist	Permanent	Others
6	Computer Programmer	Sri Manoj Kumar	Computer Programmer	Permanent	Others
7	Assistant	Sri Ganpati Kumar	Assistant	Permanent	Others

		Chaudhary			
8	Stenographer	Sri Abhay Kumar	Stenographer	Permanent	Others
9	Driver	Sri Ayush Kumar	Driver	Permanent	SC
10	Driver	Sri Vijay Kumar	Driver	Permanent	OBC

3. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	0.35
3.	Under Crops	5.50
4.	Orchard/Agro-forestry	1.0
5.	Pond	0.836
6	Polyhouse	0.06
7	Green House	0.008
8	Vermicompost	0.00038
9.	Under Roads	1.2456
	Total	10.0

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

S. No.	Farming system/enterprise
1	Paddy – Wheat/pulses- Moong (paddy- wheat/pulses-Moong). Also cultivation of oil seeds (Rai, Mustered), Potato, vegetables
2	Rice- 26.79, Wheat-26.39, Chickpea-9.57, Lentil-8.70, Oilseeds-8.54Qt./ha
3	Mean temp. max=32.84 ⁰ min=15.62 ⁰ , Humidity Max=99% Min=26.66%, Mean Annual rainfall=1051mm
4	Cattle average milk productivity- 9000 L/ day Population: Poultry (Desi)- 34.71 lakh, Improved poultry- 9.62 lakh, duck- 5200, Swine- 16970, goat- 72771, cow- 80090, buffalo- 1.28 lakh

5. About District

DEMOGRAPHIC FEATURES	
Area (in ha.)	941.4 square meter
No. of Sub-Division	1
No. of Block	7
No. of Gram Panchayat	93
No. of Village	605
Total Population	1125313
Population Density (per sq. km.)	1209 per 1000 male
SC Population	222974
ST Population	1285
Sex Ratio	922
Literacy rate	66.8%

Source: As per 2011 Census

6. Description of Agro-climatic Zone & major agro ecological situations (based on soil and Topography)

S. No	Agro-climatic Zone	Characteristics
1	NARP Zone – III B	The area is alluvial plains with general slope towards North to East. The soils of the zones are classified as old alluvial. The agro climatic condition of the district offers excellent scope for plantation, medicinal and horticultural crops.

Source:

7. Agro ecological situation

S. No	Agro ecological situation	Area (ha)	Characteristics
1	Humid-hot climate	76640.25	Humid-hot climate: Rich in both ground and surface water resources and thus it is suitable for agriculture and fishery development

8. Soil types

S. No	Soil type	Characteristics	Area in ha
1	Old alluvial-Clay	Hard in texture and low in organic matter contents	32000
2	Old alluvial – Loamy	Comparatively brittle and high in organic matter contents	46000

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

S. No	Crop	Area (ha)	Production (q)	Productivity (q/ha)
1.	Rice	44.396	141223.68	31.81
2.	Wheat	27.634	94618.816	34.24
3	Gram	2.88	3576.96	12.42
4	Lentil	6.66	8664.66	13.01
5	Mustard	0.592	576.608	9.74

10. Priority thrust areas

S. No	Thrust area
1.	Water management
2.	Soil fertility & fertilizer management
3.	Integrated crop management
4.	Crop diversification.
5.	Integrated Disease Management.
6.	Promotion of agri-enterprises i.e. Dairy, Poultry, Goatry, Beekeeping, Vermi Compost Production, Plant Health Clinic & Mushroom Production for self-employment and income generation among rural youths
7.	Promotion of Resource conservation Technologies.
8.	Gender mainstreaming through SHG's./INM
9	Integrated Pest Management.
10	Promotion of Biofertilizers application & organic farming system.
11	Skill up gradation in livestock management for income generation.
12	Nutritional Management in cattle.
13	Integrated nutrient management
14	Natural Farming

11. Training programme to be organized (Jan- Dec. 2024)

1. Agronomy

Thematic area	Title of Training	No.	Duration	Venue	Tentative Date	Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Practicing Farmer														
INM	Nutrient management in rabi crop	1	1	On	11.01.2024	18	2	0	0	21	0	39	2	41
Crop production	Application of vermin-compost in crop production	1	1	On	05.01.2024	5	0	-	-	25	0	30	0	30
Weed management	Weed management in rabi crops	1	1	Off	09.01.2024	6	0	0	0	18	0	24	0	24
Nutrient management	Spraying of water soluble/ fertilizer NPK in Lentil	1	1	Off	24.01.2024	4	0	0	0	14	3	18	3	21
Nutrient management	Spraying of water soluble/ fertilizer NPK in Lentil	1	1	Off	24.01.2024	0	0	0	0	17	6	17	6	23
Water management	Importance of irrigation in wheat crops	1	1	Off	03.02.2024	12	7	0	0	7	2	19	2	21
ICM	Scientific cultivation of Finger Millets	1	1	Off	22.02.2024	5	4	0	0	21	2	26	6	32
ICM	Scientific cultivation of Finger Millets	1	1	Off	12.03.2024	17	4	0	0	0	0	17	4	21
Fodder production	Scientific cultivation of Shorgum	1	1	Off	16.03.2024	05	0	0	0	14	2	19	2	21
Soil fertility	Method of soil sampling	1	1	On/Off	05.04.2024	5	1	-	-	15	1	20	2	22
Nursery Management	Methods of nursery raising of rice	1	1	On/Off	06.05.2024	5	1	-	-	15	1	20	2	22

RCT	Cultivation Technique of Direct Seeded Rice	1	1	On/Off	08.05.2024	5	1	-	-	15	1	20	2	22
Crop Production	Cultivation technique of pigeon pea	1	1	On/Off	05.06.2024	5	1	-	-	15	1	20	2	22
Crop production	Cultivation technique of maize	1	1	On/Off	04.07.2024	5	1	-	-	15	1	20	2	22
Production of organic inputs	Management of vermin-compost unit in rainy season	1	1	On/Off	17-18.07.2024	5	1	-	-	15	1	20	2	22
IWM	Integrated weed management in paddy	1	1	On/Off	12-13.08.2024	5	1	-	-	15	1	20	2	22
INM	Integrated nutrient management in paddy	1	1	On/Off	04-05.09.2024	5	1	-	-	15	1	20	2	22
Crop production	Cultivation technique of wheat	1	1	On/Off	16-17.10.2024	5	1	-	-	15	1	20	2	22
Crop production	Cultivation technique of rapeseed and mustard	1	1	On/Off	23-24.10.2024	5	1	-	-	15	1	20	2	22
Crop production	Cultivation technique of Lentil	1	1	On/Off	05-06.11.2024	5	1	-	-	15	1	20	2	22
IWM	Integrated weed management in wheat	1	1	On/Off	04-05.12.2024	5	1	-	-	15	1	20	2	22

Rural Youth

Seed Production	Seed Production techniques of Lentil & Wheat	1	1	OFF	12.01.2024	5	4	0	0	11	4	16	8	24
Seed Production	Seed production techniques of Finger Millets	1	1	ON	30.01.2024	5	2	0	0	28	0	33	2	35
Organic cultivation	Vermi-composting	1	1	ATARI, Patna	02.02.2024	5	0	0	0	0	15	5	15	20
Organic cultivation	Vermi-composting	1	1	ATARI, Patna	28.02.2024	5	8	0	0	0	17	5	25	30
Organic cultivation	Vermi-composting	1	1	ATARI, Patna	29.02.2024	5	8	0	0	0	17	5	25	30
Seed production	Seed production techniques of moong	1	2	ON	18-19 March 2024	6	0	0	0	24	0	30	0	30
Seed Production	Seed Production Technology in rice	1	4	ON	22-23.07.2024	5	1	-	-	15	1	20	2	22

Production of Organic Inputs	Methods of vermin compost production	1	4	ON	16-17.08.2024	5	1	-	-	15	1	20	2	22	
Integrated Farming	Cultivation of aromatic and medicinal Plant	1	4	ON	11-12.09.2024	5	1	-	-	15	1	20	2	22	
Seed Production	Seed Production Technology in Wheat	1	4	ON	11-12.11.2024	5	1	-	-	15	1	20	2	22	

Extension functionaries

Integrated Nutrient Management	I.N.M. for sustainable paddy production	1	1	Off	28-29.05.2024	5	1	-	-	15	1	20	2	22
Productivity enhancement in field crops	Integrated Weed Management in Rabi crops	1	1	Off	29-30.10.2024	5	1	-	-	15	1	20	2	22

2. Agricultural Engineering

(a) Practicing Farmers

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Water conservation	Irrigation water management in ZT wheat	1	1	On	08.01.2024	8	4	0	0	36	6	44	10	54
Water conservation	Irrigation water management in raised bed maize	1	1	On	16.01.2024	6	2	0	0	20	3	26	5	31
Repair & maintenance of farm machineries	Use of modern machineries in agriculture	1	1	OFF	31.01.2024	6	0	0	0	26	0	32	0	32
Repair & maintenance of farm machineries	Improved implements for CRA	1	1	ON	18.01.2024	2	3	0	0	20	5	22	8	30
Repair & maintenance of farm machineries	Improved sowing implements	1	1	ON	29.01.2024	2	1	0	0	17	2	19	3	22
Water Conservation	Irrigation water management in wheat	1	1	ON	07.02.2024	4	2	0	0	26	6	30	8	38
Repair &	Land leveling by	1	1	ON	20.02.2024	2	5	0	0	21	12	23	17	40

maintenance of farm machineries	Laser leveler													
Micro irrigation system	Sprinkler irrigation system	1	1	OFF	27.02.2024	4	4	0	0	9	3	13	7	20
Micro irrigation system	Drip irrigation system	1	1	ON	28.02.2024	6	7	0	0	15	4	21	11	32
Repair & maintenance of farm machineries	Knowledge utility and suitable improved agricultural implements from sowing to harvesting of crops	1	1	Off	10.02.2024	4	0	0	0	34	2	38	2	40
Water Conservation	Techniques of in-situ moisture conservation	1	1	On/off	08.05.2024	2	1	0	0	16	1	18	2	20
Use of improved implement	Use of Improved tillage/sowing implements	1	1	On/Off	03.04.2024	2	1	0	0	16	1	18	2	20
Repair and maintenance of farm machinery and implements	Operation of sowing/planting implements	2	1	On/Off	10.07.2024	4	1	0	0	36	1	40	2	42
Water Conservation	Techniques of on farm water management in paddy/ rain water conservation	2	1	On/off	08.08.2024	4	2	0	0	36	3	40	5	45
Production of small tools and implements	Improved weeding implements	1	1	On/off	06.09.2024	2	1	0	0	20	-	22	1	23
Repair and maintenance of farm machinery and implements	Operation of modern harvesting & threshing equipments	1	1	On/off	04.10.2024	2	1	0	0	18	1	20	2	22
Repair and maintenance of farm machinery and implements	Operation, maintenance and Calibration of ZT/seed drill/happy seeder Machine	2	1	On/off	12.11.2024	4	0	0	0	36	0	36	4	40
Water Conservation	Irrigation scheduling in rabi crops	1	1	On/Off	04.12.2024	2	-	0	0	20	-	22	-	22

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Repair and maintenance of farm machinery and implements	Operation and repair of zero tillage machine	1	2	ON	01-02.02.2024	4	4	0	0	1	1	1	5	2
Repair and maintenance of farm machinery and implements	Operation, repair and maintenance of improved tillage machine	1	2	On	08-09.02.20224	2	3	0	0	1	1	1	4	1
Repair and maintenance of farm machinery and implements	Operation, repair and maintenance of crop harvesting and threshing machineries	1	2	On	19-20.03.2024	6	2	0	0	2	0	6	2	2
Repair and maintenance of farm machinery and implements	Repair and maintenance of sowing implements	1	2	off	14.03.2024	2	1	0	0	1	1	1	2	2
Repair and maintenance of farm machinery and implements	Repair and maintenance of sowing implemenyts	1	2	On/Off	14-15.05.2024									

Repair and maintenance of farm machinery and implements	Repair and maintenance of improved sowing/planting implements	1	2	On/off	04-05.07.2024	3	1	0	0	2	1	2	2	2	5
Repair and maintenance of farm machinery and implements	Repair, maintenance and calibration of ZT/happy seeder machine	1	2	On/Off	24-25.10.2024	3	1	0	0	2	1	2	2	2	5

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Micro irrigation system	Care & maintenance of drip and sprinkler irrigation system	1	2	On	30-31 Jan. 2024	12	8	0	0	98	14	110	8	118
Care and maintenance of farm machinery and implements	Care and maintenance of sowing/planting implements	1	1	On/off	24.05.2024	4	2	0	0	24	2	28	4	32
Care and maintenance of farm machinery and implements	Care, maintenance and calibration of ZT/happy seeder machine	1	1	On/Off	18.10.2024	5	2	0	0	30	2	35	4	39

3. Plant Protection

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration (Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IPM	Management of Helicorva in chickpea	1	1	ON	03.02.2024	6	3	0	0	3	2	36	5	41

IPM	Aphid management of oilseed crops	1	1	ON	05.02.2024	4	3	0	0	28	6	32	9	41
Crop production	Millets cultivation techniques (Natural Farming)	1	1	ON	15.02.2024	7	3	0	0	30	3	37	6	43
Crop production	Millets cultivation techniques	1	1	ON	21.02.2024	3	4	0	0	15	0	18	4	22
IPM	IPM in moong crops	1	1	ON	22.02.2024	7	6	0	0	8	0	15	6	21
Crop production	Production technology of moong	1	1	ON	04.03.2024	5	16	0	0	5	8	10	24	34
IPM	Pest management of vegetable crops	1	1	ON	07.03.2024	6	2	0	0	17	1	23	3	26
IPM	Pest management in millets				30.03.2024	10	0	0	0	24	0	34	0	34
Natural Farming	Production of Moong	1	1	ON	02.04.2024	7	9	0	0	20	4	27	13	40
Millets production	Cultivation technique of millets	1	1	ON	03.04.2024	9	5	0	0	10	6	19	11	30
IDM	Pest management in summer vegetables	1	1	OFF	20.04.2024	0	0	0	0	19	1	19	1	20
IPM	Management of insect pests and mosaic virus of moong, Urd and okra	2	1	On/Off	06.05.2024	3	1	-	-	15	1	18	2	20
IPM	Management of store grain pests	1	1	off	07.05.2024	3	1	-	-	15	1	18	2	20
IPM	IPM and IDM for rice cultivation (Nursery stage)	1	1	off	01.06.2024	3	1	-	-	15	1	18	2	20
IDM	Management of Insect pests and Diseases of Paddy	2	2	On/Off	04.06.2024 08.07.2024	3	1	-	-	15	1	18	2	20
IPM	Management of Insect pests and Diseases of Kharif oilseeds and pulses	1	1	Off	05.08.2024	3	1	-	-	15	1	18	2	20
IPM	Management of Insect pests and Diseases of Kharif vegetables	1	1	off	04.09.2024	3	1	-	-	15	1	18	2	20
IDM	Seed treatments in rabi crops	1	1	Off	03.10.2024	3	1	-	-	15	1	18	2	20
IDM	Wilt management in Lentil and chickpea crop	1	2	off	15-16.10.2024	3	1	-	-	15	1	18	2	20
IPM	Integrated pest management in vegetable crops	1	1	Off	13.11.2024	3	1	-	-	15	1	18	2	20
IPM	Management of aphid in mustard and wheat crop	1		off	14.11.2024	3	1	-	-	15	1	18	2	20
IDM	Management of early and late blight of potato	2	1	On/Off	10.12.2024	3	1	-	-	15	1	18	2	20

(d) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants			
						SC	ST	Other	Total

						M	F	M	F	M	F	M	F	T
Bee Keeping	Skill development training on Bee Keeper (Ver. 3.0)	1	10	On	11-21.03.2024	3	1	-	-	15	1	18	2	20
Organic Cultivation	Organic farming of vegetable crops	1	4	off	16-20.07.2024	3	1	-	-	15	1	18	2	20
Bee Keeping	Sustainable Beekeeping	1	5	on	03-07.09.2024	3	1	-	-	15	1	18	2	20

(e) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Of f	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IPM	Integrated pest management of summer crops	1	1	Off	10.05.2024	3	1	-	-	15	1	18	2	20
IPM	Management of major insect pests and disease of kharif crops	1	1	On	09.07.2024	3	1	-	-	15	1	18	2	20
IPM	Management of major insect pests and disease of vegetable crops	1	1	Off	16.12.2024	3	1	-	-	15	1	18	2	20

4. Animal Science

Thematic area	Title of Training	No.	Duration (Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Diseases management (General diseases of cattle during summer)	Housing and nutritional management of dairy cattle	1	1	On	05.01.2024	3	0	0	0	29	0	32	0	32
Dairy management	A.I. technique of dairy cattle	1	2	ON	08-09.02.2024	2	0	0	0	31	7	33	7	40
Dairy management	Dairy management of cattle	1	1	ON	21.02.2024	17	3	0	0	0	0	17	3	20
Dairy management	Value addition of cattle Byproducts	1	1	ON	15.02.2024	1	0	0	0	20	0	21	0	21
Poultry management	Housing & disease management of poultry	1	1	Off	02.03.2024	17	6	0	0	0	0	17	6	23
Dairy management	Control of infertility in dairy cattle	1	1	On	18.03.2024	10	0	0	0	10	0	20	0	20
Poultry Farming (Poultry cum fish Farming)	To train famers about Integrated farming	2	1	On	06.07.2024	5	5	0	0	20	10	25	15	40
Diseases management (Zoonotic)	To protect animals from diseases.	1	1	Off	28.06.2024	5	5	0	0	15	5	20	10	30

diseases of animals & there contest)														
Feed Management of pigs	To make balanced & economic ration of pigs.	2	1	On	26-27.06.2024	5	5	0	0	20	10	25	15	40
Poultry Management (Feeding of poultry)	Economic feeding of poultry	2	1	On	22-23.07.2024	10	2	0	0	25	3	35	5	40
Dairy farming (Important vaccine of milk animals)	To protect animals from diseases.	1	1	off	24-25.09.2024	5	5	0	0	15	5	20	10	30
Goat Management (Housing & diseases management)	Housing management & diseases control goats	2	1	On	09-10.09.2024	10	10	0	0	6	4	16	14	30
Feeding & diseases management (Housing & Nutritional management of cattle)	To train famers about cattle farming	2	1	On	15-16.10.2024	5	5	0	0	20	5	25	10	35
Brooding / (Rearing of chicks)	To train famers about case of chick.	1	1	Off	11-12.11.2024	5	5	0	0	15	5	20	10	30
Fish farming (Farming of fish cum Ducks)	To popularizes fishduck farming.	2	1	On	26-27.11.2024	3	5	0	0	25	7	28	12	40

Rural Youth

Thematic area	Title of Training	No.	Duration (Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Dairy management	Dairy farm management	1	4	ON	09-12.01.2024	28	12	0	0	0	0	28	12	40
Disease management	Care & prevention of disease management	1	1	OFF	19.01.2024	2	0	0	0	17	0	19	0	19
Goat Farming	Goat farm management	1	4	ON	22-25.01.2024	17	0	0	0	21	2	38	2	40
Dairy management	Commercial dairy farming	1	5	ON	12-16.03.2024	1	6	0	0	27	6	28	12	40
Goat farming	Chief shed for goat	2	1	On	10-14.06.2024	5	5	0	0	20	10	25	15	40
Poultry farming	Housing management of poultry	1	1	Off	05-09.08.2024	5	5	0	0	15	5	20	10	30
Dairy management	Dairy farming	2	1	On	21-24.10.2024	5	5	0	0	20	10	25	15	40
Fish Farming	Care & management of fish farming	2	1	On	09-13.12.2024	10	2	0	0	25	3	35	5	40

Extension Functionaries

Thematic area	Title of Training	No.	Duration (Days)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Dairy Management	Recent technique of Artificial insemination of livestock	1	1	Off	02.02.2024	2	0	0	0	1	2	16	2	18
Disease management (Vital vaccines of dairy cattle)	Impart latest vaccination schedule for infectious diseases in livestock	1	1	Off	12.04.2024	4	0	0	0	1	2	18	2	20
Dairy management (Breeding & Feeding management of Cattle.)	To training of breeding and nutritional management of cattle	1	1	On	05.08.2024	4	1	0	0	1	2	17	3	20
Poultry farming (Latest trends of Layer management)	To training of back yard poultry farming	1	1	Off	03.11.2024	3	1	0	0	1	2	17	3	20

12. Frontline demonstration to be conducted 2024

Sl. No	Season	Crop/Enterprises	Technology demonstrated	Area in ha./unit	No. of Demonstration
1	Summer	Okra	Management of fruit & shoot borer in Okra (Emamectin benzoate 5% SG@ 8gm. a.i./ha)	5.0	30
2	Rabi	Chickpea	Management of Pod Borer in Chickpea (Spinosad 45 SC@75 gm. a.i./ha)	8.0	20
3	Kharif	Paddy	Use of Fertilizer Broadcaster Machine for equal distribution of fertilizer	6.0	15
4	Rabi	Wheat	Spray of Nano urea through Agriculture Drone	13.0	32
5	Rabi	Lentil	HYV. Seed, Rhizobium culture/ PSB/ NPK (WS 18:18:18)	5.0	12
6	Rabi	Veg. Pea	Azad Matar-3/ available variety	2.0	10
7	Rabi	Berseem	HYV. Seed Var. Vardan, Mascavi etc.	5.0	20
8	Rabi	Oat	HYV. Seed var. Kent/ Available variety	5.0	20
9	Summer	Finger Millet (ragi)	HYV. Seed Var. Bakulla, RAU-8	10.0	40
10	Summer	Moong	HYV. Seed, PSB, Rhizobium culture	5.0	15
11	Summer	Sudan	HYV. Seed (Available variety)	5.0	20
12	Kharif/rabi	Cattle	Berseem seeds (100 kg) @ 170/kg	50	50
13	Kharif/rabi	Duck	Fish cum duck farming	50	200 (duck)
14	Kharif/rabi	Mineral mixture	Prevention/ control of infertility in dairy cattle	100	100
15	Kharif/rabi	Back yard Poultry/duck farming	Back yard Poultry/duck farming	50	1250
16	Kharif/rabi	Bucket	Drinking of water for livestock	150	150

CFLD (Rabi 2024)

Sl. No.	Crop	Variety	Technical Intervention	Sown Area(ha)	No. Of farmers
1	Mustard	RH-725	Cluster frontline demonstration	20	50
2	Lentil	IPL-220	Cluster frontline demonstration	20	50

FLD- Other enterprises (SCSP/ NARI/ Mal nutrition eradication)-

Sl. No	Season	Crop/ enterprises	Technology demonstrated	Area in ha./ unit	No. of Demonstration
1	Rabi	Nutritional Garden Kit	Improved varieties of vegetable/ fruit plants	200 unit	50
2	Kharif/ rabi	Duck	Fish cum Duck framing	50	50 (150 duck)
3	Kharif/ rabi	Distribution of fruits plant	Poshan vatika	200 unit	200
4	Kharif/ rabi	Goat	Goat production	20	20
5	Kharif/ rabi	Fruit / vegetable plants	Production Fruit / vegetable plants	200	200
6	Kharif/ rabi	Vermi. Bed	Production of Vermicompost	20	20
7	Kharif/ rabi	Fodder Seed	Fodder seed production	200 kg	50
8	Kharif/ rabi	Backyard poultry/duck farming	Backyard poultry/duck farming	50	1250 (Poultry/ duck)
				Total	585

13. Extension Activities

Sl. No.	Nature of Extension Activity	No. of activities	Total		
			Male	Female	Total
1.	Field Day	15	234	26	260
2.	KisanMela	03	300	200	500
3.	KisanGhoshi/chaupal	45	1200	150	1350
4.	Exhibition	02	200	40	240
5.	Film Show	02	80	20	100
6.	Method Demonstrations	10	150	50	200
7.	Farmers Seminar	01	40	05	45
8.	Workshop	01	30	10	40
9.	Group meetings	05	15	5	20
10.	Lectures delivered as resource persons	02	3	1	4
11.	Advisory Services	2000	1500	500	2000
12.	Scientific visit to farmers field	250	140	10	150
13.	Farmers visit to KVK	1000	950	50	1000
14.	Diagnostic visits	50	45	5	50
15.	Exposure visits	5	150	0	150
16.	Ex-trainees Sammelan	01	0	0	01
17.	Soil health Camp	01	1	0	01
18.	Animal Health Camp	4	200	20	220
19.	Soil test campaigns	01	0	0	01
20.	Farm Science Club Conveners meet	01	0	0	01
21.	Self Help Group Conveners meetings	01	0	0	01
22.	MahilaMandals Conveners meetings	01	0	0	01
23.	Celebration of important days (specify)	8	250	70	320
24.	Special programme	2	650	150	800
	Total	3411	6138	1312	7455

14. On-farm trials to be conducted

OFT 1: Entomology

1	Season:	Kharif
2	Title of the OFT:	Assessment of fungicides for the management of Sheath blight of Rice
3	Thematic Area:	IDM
4	Problem diagnosed:	Five- to six-week-old leaf sheaths are highly susceptible. The presence of several large lesions on a leaf sheath usually causes death of the whole leaf, and in severe cases all the leaves of a plant may be blighted in this way.
5	Important Cause:	A yield loss of 25% was reported if the flag leaves are infected.
6	Production system:	Rice-Wheat
7	Micro farming system:	Medium upland
8	Technology for Testing:	Farmer practice: Spray of hexaconazole 5 EC @800ml/ha TO1: Spray of Propiconazole 13.9% + Difenconazole 13.9% EC @500ml/ha. TO2: Spray of Thifluzamide 24 SC @ 1ml /liter of water (45 days after transplanting)
9	Existing Practice:	Farmer practices (Spray of hexaconazole 5 EC @800ml/ha)
10	Hypothesis:	Sheath blight incidence will be reduced significantly
11	Objective(s):	Reduce disease incidence
12	Treatments: Farmers Practice (FP): Technology option-I (TO-I): Technology option-II (TO-II):	Farmer practice: Spray of hexaconazole 5 EC @800ml/ha TO1: Spray of Propiconazole 13.9% + Difenconazole 13.9% EC @500ml/ha. TO2: Spray of Thifluzamide 24 SC @ 1ml /liter of water (45 days after transplanting)
13	Critical Inputs:	Seeds and Fungicides
14	Unit Size:	1 acre
15	No of Replications:	8
16	Unit Cost:	2000
17	Total Cost:	16000
18	Monitoring Indicator	% disease incidence and yield attributes Economic Indicator: Net return, C: B ratio
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	ATARI, Patna

OFT 2: Entomology

1	Season:	SUMMER
2	Title of the OFT:	Management of nematode in Okra
3	Thematic Area:	IPM
4	Problem diagnosed:	Nematode cause yield loss in okra
5	Important Cause:	Due to damage symptom underground soil very difficult to manage by farmers once infestation occurred
6	Production system:	Rice-potato-okra
7	Micro farming system:	Medium upland
8	Technology for Testing:	Farmer Practices: Chlorpyrifos spray @ 3 ml/ lt. TO1: • Soil solarization with polythene (40 μ m) white sheet for two weeks • Soil Treatment: <i>Pseudomonas fluorescens</i> @ 20 gm/m ² + <i>Trichoderma viride</i> @ 50 g/m ² • Seed Treatment: <i>Pseudomonas fluorescens</i> @ 10 gm/kg + <i>Trichoderma viride</i> @ 10 g/kg TO2: Fluensulfone (Nmitiz) 2G @ 2.5 gm/m ² or carbofuran 3g @ 3.6 g/m
9	Existing Practice:	Farmer practices (Profenophos 50 EC @ 2 gm/lt water)
10	Hypothesis:	Nematode pests' infestation reduces significantly
11	Objective(s):	Reduce pest infestation
12	Treatments: Farmers Practice (FP): Technology option-I (TO-I): Technology option-II (TO-II):	Farmer Practices: Chlorpyrifos spray @ 3 ml/ lt. TO1: • Soil solarization with polythene (40 μ m) white sheet for two weeks • Soil Treatment: <i>Pseudomonas fluorescens</i> @ 20 gm/m ² + <i>Trichoderma viride</i> @ 50 g/m ² • Seed Treatment: <i>Pseudomonas fluorescens</i> @ 10 gm/kg + <i>Trichoderma viride</i> @ 10 g/kg TO2: Fluensulfone (Nmitiz) 2G @ 2.5 gm/m ² or carbofuran 3g @ 3.6 g/m
13	Critical Inputs:	Seeds, polythene sheet and Nematicides
14	Unit Size:	0.0375 ha
15	No of Replications:	8
16	Unit Cost:	3000
17	Total Cost:	24000
18	Monitoring Indicator	% infestation and yield attributes Economic Indicator: Net return, C: B ratio
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	ATARI, Patna

OFT 3: (Agril. Engg.)

1	Season:	Rabi/Summer 2024-25
2	Title of the OFT:	Assessment of different methods of irrigation on productivity of tomato in medium land.
3	Thematic Area:	Micro Irrigation System
4	Problem diagnosed:	Consumption of excess water in furrow/bed method of irrigation in tomato
5	Important Cause:	Despite of excess use of irrigation water, yield is less if furrow/bed irrigation method is used without mulching
6	Production system:	Rice- Oilseed/Pulse -Vegetable
7	Micro farming system:	Medium Upland
8	Technology for Testing:	Farmer practice: furrow/ bed irrigation TO 1: Drip irrigation with crop residue mulch TO 2: Drip irrigation with plastic mulching
9	Existing Practice:	Furrow irrigation method (Farmers Practice)
10	Hypothesis:	Water application by drip irrigation method with plastic mulch will save water and improve yield
11	Objective(s):	Irrigation by drip method with plastic mulch for improved yield, water use efficiency
12	Treatments: Farmers Practice (FP): Technology option-I (TO-I): Technology option-II (TO-II):	Farmer practice: furrow/ bed irrigation TO 1: Drip irrigation with Crop Residue mulch TO 2: Drip irrigation with plastic mulching
13	Monitoring Indicator	Water applied (cm), saving of water (%), yield (q/ha), water efficiency (kg/ha-cm)
14	Critical Inputs:	Seed, Plastic mulch, technology
15	Unit Size:	0.09375 acre (375 Sq. m)
16	No of Replications:	7
17	Source of Technology	ATARI, Patna

OFT 4: (Agril. Engg.)

1	Season:	Rabi 2024-25
2	Title of the OFT:	Assessment of Cut Off ratio in wheat irrigation
3	Thematic Area:	Water Conservation
4	Problem diagnosed:	Water scarce situation during Rabi season
5	Important Cause:	Full irrigation is difficult
6	Production system:	Rice- Wheat
7	Micro farming system:	Medium Upland
8	Technology for Testing:	Farmer practice: 100% irrigation TO 1: Irrigation at 90% cut off TO 2: Irrigation at 80% cut off
9	Existing Practice:	100 % irrigation (Farmers Practice)
10	Hypothesis:	Reduced amount of irrigation water would maintain yield of wheat
11	Objective(s):	Reduction in amount of full irrigation (100 %) by cut off ratio for water saving and maintaining yield levels along with improvement in water use efficiency
12	Treatments:	Farmers Practice: 100% irrigation TO1: Irrigation at 90% cut off TO2: Irrigation at 80% cut off
13	Monitoring Indicator	Stream size (lpm), Strip size (m), Water use (cm), yield (q/ha), water saving (%),

		water efficiency (kg/ha-cm)
14	Critical Inputs:	Seed, technology
15	Unit Size:	1.0 acre
16	No of Replications:	7
17	Source of Technology	ATARI, Patna

OFT 5: (Animal Sc)

1.	Title of On Farm Trial	Comparative studies on different herbal medicines for induction of estrus in anoestrus buffalo heifer.
2.	Problem Diagnose	Hormonal Imbalance and delayed ovulation or anovulation
3.	Details of Technologies selected for assessment /refinement	Farmer Practice : Anoestrus buffalo heifers TO1: Mineral mixture @ 50g orally for 10 days . TO 2: TO1+ Prajana HS @ 3 capsule daily for 2 days followed by 3 capsules orally for 2 days on 11th day of study. TO 3:TO1+ <i>Randiadumetorum</i> (madanphala)@ 15g. Orally, daily for 4 days of study TO 4: TO1 + <i>Tinosporacordifolia</i> (Giloy) @ 25g. Orally daily for 10 days of study.
4.	Source of technology	<i>Department of Veterinary Gynecology and Obstetrics, Narendra Deva University of Agriculture and Technology, Faizabad- U.P, and veterinary college and research intitute ,orathanadu & veterinary animal science university tamilnadu ,India</i>
5.	Replication	10
6.	Production system & Thematic Area	Calf and Nutritional management.
7.	Performance of Technology with performance indicator	Reproductive performance, Conception rate and B:C ratio
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Discussion with farmers during Training Programmes Observation during field visits

OFT 6: (Animal Sc)

1.	Title of On farm Trial	Using Double Dose of GnRH for Reducing Incidence of Cystic Ovaries in Cows
2.	Problem diagnosed	Nutritional and hormonal imbalance of dairy cows
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmer Practice :Without any hormonal treatment TO1:.Buserelin acetate (200mg),5ml two dose of Receptal at14th and 21th days after parturition. TO2:Gonadorelindiacetratytrahydrate(100mg), 2ml two dose of Cystrolin at14th and 21th days after parturition
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IVRI ,Bareilly ,UP.
5.	Number of replication	15
6.	Production system and thematic area	Calf and Disease management.

7.	Performance of the Technology with performance indicators	Reproductive performance, Conception rate and B:C ratio
8.	Final recommendation for micro level situation	
9.	Constraints identified and feedback for research	
10.	Process of farmers participation and their reaction	

OFT- 7 (Agronomy): Improvement of Nitrogen use efficiency in wheat

1	Title of On farm Trial	Improvement of Nitrogen use efficiency in wheat
2	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3	Details of technologies selected for assessment/refinement	Farmer Practice: RDF(100:40:20)Kg/ha TO-1:50% of RDN & 100 % PK+Nano urea @ 4ml/lt.water (Single spray at 35 DAS). TO-2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water. Under Rice-Wheat croppings system.
4	Source of Technology	BAU Sabour, BAU, Sabour
5	Replication	10
6	Production system and thematic area	Rice-Wheat, Nutrient Management
7	Observation to be recorded	Yield data, No. of effective tillers/m ² , 1000 grain wt., Panicle wt., Straw yield and Economics.

OFT- 8 (Agronomy): Integration of fertilizer in different form on yield of Lentil.

1	Title of On farm Trial	Integration of fertilizer in different form on yield of Lentil
2	Problem diagnosed	Injudicious use of chemical fertilizer
3	Details of technologies selected for assessment/refinement	Farmer Practice: Seed Treatment + RDF(15:45:0, N:P:K) TO1:50% of RDF + WS 18:18:18 @5 gm./ltr water (Single spray at pre-flowering stage) TO2: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage)
4	Source of Technology	BAU Sabour
5	Replication	10
6	Production system and thematic area	Rice-Lentil-Fallow Nutrient Management
7	Observation to be recorded	Grain Yield, No. of Plant/m ² , 1000 grain wt., No of pod /plant, strover yield and Economics

OFT- 9 (Agronomy): Improvement of Nitrogen use efficiency in rice.

1	Title of On farm Trial	Improvement of Nitrogen use efficiency in rice
2	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3	Details of technologies selected for assessment/refinement	Farmer Practice: RDF (100:40:20) Kg/ha Technological Option 1: 50% of RDN & 100% PK + nanourea @4ml/lt. water (Single spray at pre flowering stage). Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
4	Source of Technology	BAU Sabour
5	Replication	10
6	Production system and thematic area	Rice-Lentil-Fallow Nutrient Management
7	Observation to be recorded	Plot size (10x10 m ²)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/m ² , 1000 grain weight, Panicle weight, Grain and Straw yield and Economics.

III) List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)
1.	Climate Resilient Agriculture Programme	5000000.00
2.	IRRI	150000.00
3	SCSP	200000.00
4	Capacity Building	200000
5	Special Programme	100000

IV) No. of success stories proposed to be developed with their tentative titles: 6

V) Scientific Advisory Committee

Date of SAC meeting held during 2024	Proposed date during 2024
17.01.2024	26.07.2024

VI) Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	250	38	0	0	0	212	0	250	0	250	10	250
Water Samples	-											
Other (Please specify)	-											
Total	250	38	0	0	0	212	0	250	0	250	10	250

VII) Fund requirement and expenditure (Rs.)* (2024)

Heads	Expenditure (last year) (Rs.) up to 01.01.2024	Expected fund requirement (Rs.)
Pay & Allowances	11000000.00	14500000.00
Traveling allowances & HRD	200000	200000.00
Stationery, tele, postage and other office charge, POL, repair of vehicle		1600000.00
Training of farmers		
Training materials (poster, charts)		
Training of Extension functionaries		
Training of RY		
FLD other than oilseeds & pulses		
OFT	1510000	
Extension activities/ Exhibition, Kisan mela etc.		
Soil and water testing	-	-
Maintenance of building	75000	100000.00
Swachhta Expenditure	300000	300000.00
TSP	-	-
Control of lifting	-	-
SCSP general	100000.00	100000.00
Works	-	-
Vehicle/New Tractor or Repair of old Tractor		100000.00
New Seed Processing machine with shed		
Equipment & furniture		200000.00
SCSP capital		200000.00