ANNUAL REPORT 2023 (01st January- 31st December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Munger P.O. Shankarpur, Distt. Munger – 811201, Bihar			mungerkvk@gmail.com mungerkvk2020@gmail.com

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Bihar Agricultural University Sabour (Bhagalpur), Bihar PIN Code – 813210			vcbausabour@gmail.com www.bausabour.ac.in

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Sri Mukesh Kumar		9608658459	mungerkvk@gmail.com mungerkvk2020@gmail.com

1.4. Year of sanction of KVK with council order No. and date:

Year of sanction of KVK	:	1979
(Reference of Sanction Order)	:	22(6) 79 Edn. 11 dated 23.04.1979.

1.5. Year of start of KVK: : 08.04.1980

1.5. Staff Position (**as on 31st December 2023**)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ probation	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Vacant	-	-	-	-	-	-
2.	Subject Matter Specialist	Mukesh Kumar	SMS	Horticulture	101100 (GP-6000) Level-10	25.7.2001	Permanent	OBC
3.	Subject Matter Specialist	Er. Ashok Kumar	SMS	Agril. Engineering	95300 (GP 6000) Level-10	12.11.2007	Permanent	OBC
4.	Subject Matter Specialist	Dr. Bishnu Deo Singh	SMS	Agril Extension Education	104100 (GP 6000) Level-10	20.12.2007	Permanent	UR
5.	Subject Matter Specialist	Dr. Vinod kumar	SMS	Agronomy	75400 (Gp 5400) Level-10	24.04.2012	Permanent	UR
6.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
7.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8.	Programme Assistant	Sri Prahalad Kumar	Programme Assistant (LAB)	Programme Assistant (LAB)	49000 (GP 4200) Level-6	17.12.2012	Permanent	OBC
9.	Computer Programmer	Sri.Prem Chandra Maurya	Programme Assistant	Computer	47600 (GP 4200) Level-6	14.05.2013	Permanent	UR
10.	Farm Manager							
11.	Accountant / Superintendent	Sri Kaushal Kishore Chaudhary	Assistant	Assistant	47600 (GP 4200) Level-6	12.04.2013	Permanent	OBC

12.	Stenographer	Sri Dharmendra Kumar	Stenographer	Stenographer	34300 (GP 2400) Level-4	02.07.2013	Permanent	UR
13.	Driver	Sri Sanjeev Kumar Singh	Driver	Driver	28400 (GP 2000) Level-3	11.05.2015	Permanent	OBC
14.	Driver	Sri Jitendra Kumar	Driver	Driver	28400 (GP 2000) Level-3	21.05.2015	Permanent	SC
15.	Supporting staff	Malti Devi	Messenger	Messenger	39400 (GP1900) Level-2	09.08.1991	Permanent	OBC
16.	Supporting staff	Vacant	Messenger	-	-	-	-	-

1.6. **Total land with KVK (in ha) : 11.18**

S. No.	Item	Area (ha)
1	Under Buildings	0.65
2.	Under Demonstration Units	0.73
3.	Under Crops	6
4.	Orchard/Agro-forestry	1
5.	Others with details	2.8
	Total	**11.18**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of building	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Completed	302.86	Use	ICAR
2.	Farmers Hostel					Completed	422.06	Use	ICAR
3.	Staff Quarters (6)					Completed	803.80	Use	ICAR
4.	Piggery unit								
5	Fencing					Partially Completed	735 m		ICAR
6	Rain Water harvesting structure (Farm pond)						10000	Not	Time to time renovate but feeder channel & command area for rain water harvesting is less
7	Threshing floor					Completed	325.22	Use	ICAR
8	Farm godown					Completed	91	Use	ICAR
9.	Dairy unit	To be repaired obsolete building of KVK for IFS Model III by DWP,BAU,Sabour							
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab						290		
13.	Mushroom production unit					300sq.f. Utilize in spawn & mushroom production			RKVY
14.	Shade house					Completed	300	Use	NHM
15.	Soil test Lab					Completed	23.73	Use	ICAR
16	Others, Please Specify								
17.	Hi- tech polyhouse					Completed	18.58	Use	NHM
18.	Vermin compost unit					Complete	800	Use	RKVY
19.	Research & demonstration unit					Complete	2 ha	Use	ITC &KVK Munger
20.	Yantra Shed					Completed	210	Use	CRAP

* If not in use, then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero SLE M-II	28.03.2017	674301	17287	Serviceable
Tractor	13.01.2006	369722.00	215hour	Good
Motorcycle(BRO-8F9278)	28.10.2016	59600	261Km	Serviceable
Motorcycle(BRO-8H1343)	31.03.2016	59600	2948Km	Serviceable

C) Equipment & AV aids

a. Lab equipment				
Water distillation unit	2006 received from DEE, RAU, Pusa	48000.00	Serviceable	ICAR
Stabilizer (1KVA)	Do	4000.00	Serviceable	ICAR
Electrical Balance with Accessories	Do	98000.00	Serviceable	ICAR
Physical Balance	Do	7345.00	Serviceable	ICAR
Electrical Conductivity Meter	Do	10170.00	Serviceable	ICAR
Horizontal Shaker (Motorized)	Do	25425.00	Serviceable	ICAR
Willey Mil Grinder	Do	25425.00	Serviceable	ICAR
Digestion and distillation system	Do	30510.00	Serviceable	ICAR
Digital PH Meter	Do	10170.00	Serviceable	ICAR
Spectro Photometer	Do	61080.00	Serviceable	ICAR
Hot Plate (Thermostat)	Do	90401.00	Serviceable	ICAR
Hot Air Oven	Do	15259.00	Serviceable	ICAR
b. Farm machinery				
Mahasakti Tractor with Accessories	13.01.06	369722.00	Serviceable	ICAR
Generator (5 KVA) with Kirloskar diesel engine (8 HP)	April 06	Received from DEE RAU, Pusa, Samastipur	Serviceable	Do
KirloskarPumpset (8 HP)	April, 06	Do	Not Serviceable	Do
Tractor operated Multi Crop power thrasher (Harmba)	2010	85000/- Purchased by KVK from farm development	Serviceable	RAU, Pusa Farm Dev. Fund
Hand winnower	2010	5000.00 Purchased by KVK from farm development	Serviceable	Do
Motorized Mini Dal Mill	2012	Purchase by KVK, Munger under Post-harvest management CAE, RAU, PusaRs 45000	Serviceable	Post-harvest management CAE, RAU, Pusa
Sprinkler set	10.08.2012	Rs. 47062.00 Purchased by KVK asDEE BAU Sabour order	Serviceable	KVK, ICAR
Tractor operated harmba Multicrop Thresher	25.10.2013	Rs. 99450.00 Purchased from Vikram farm machinery, BekapurMunger	Serviceable	KVK, ICAR

Self-propelled Reaper	3.12.2013	Rs. 95400.00 Purchased from Vikram farm machinery, BekapurMunger Under KVK's Fund	Serviceable	KVK, ICAR
c. AV Aids				
Digital Camera	31.03.07	14500.00	serviceable	ICAR
Soil Test Lab. Implements	13.02.06	322524.00	serviceable	Do
Computer	13.09.2000	95198.00	serviceable	Do
Godrej Chair (30)	23.11.2013	1142380.00	serviceable	Do
Godrej table (4)	23.11.2013	16337.00	serviceable	Do
Godrej Chair(12)	23.11.2013	83697.00	serviceable	Do
Godrej Chair (1)	23.11.2013	11937.00	serviceable	Do
Godrej Char (5)	23.11.2013	17738.00	serviceable	Do
Godrej Table (1)	23.11.2013	17059.00	serviceable	Do
Godrej Table (large)	23.11.2013	40102.00	serviceable	Do
Godrej Almirah (7)	23.11.2013	105194.00	serviceable	Do
Godrej Chair	23.11.2013	3547.56	serviceable	Do
UPS	07.12.2013	5680.00	serviceable	Do
Steel bed.(29)	17.12.2013	97875.00	serviceable	Do
Plastic Chair & Table for Kisan Hostel	29.01.2014	27605.00	serviceable	Do
Plastic Chair training (30) & Table (5)	March 2017	84000.00	serviceable	Do
Soil Testing Kit STFR	Nov 2017	86000.00	serviceable	Do
Computer Chair(11pc)	30.3.2019	49500.00	serviceable	Do
Office Sofa 5 seater	30.03.2019	49000.00	serviceable	Do
Voltas A/C split 2tan	29.03.2019	49,999=00	serviceable	Gem portal
Steel Almirah 05 ps	30.04.2019	49,995=00	serviceable	Gem portal
Guard Stabilizer	22.05.2019	5500=00	serviceable	Gem portal
Iron office table 09 ps	22.10.2019	44,550=00	serviceable	Gem portal
Boss chair 02ps	09.11.2019	18,000=00	serviceable	Gem portal
Electronic weighing machine	March 2019	5456.00	serviceable	BSDM
HP inkjet printer	March 2019	11400.00	serviceable	Do
UPS luminous 600 VA	March 2019	2350.00	serviceable	Do
VOLTAS WATER COOLER	March 2019	25000.00	serviceable	BSDM
KENT RO FILER	March 2019	17995.00	serviceable	BSDM
Hp Desktop and Monitor	March 2019	37995.00	serviceable	BSDM
Excide Battery+ Invertor	March 2019	20600.00	serviceable	BSDM
Hand compressor sprayer	09.02.2019	6000.00	serviceable	BSDM
Godrej refrigerator	05.03.2019	23350.00	serviceable	BSDM
Channel rack 6 pcs	20.03.2019	21240.00	serviceable	BSDM
Alumimium Top 2pcs	23.11.2019	8812.00	serviceable	BSDM
Iron Cholni 1 pce	23.11.2019	265.00	serviceable	BSDM
Hp printer 1pce	05.03.2019	4661.00	serviceable	BSDM
Hp Desktop 1pce	05.03.2019	24538.00	serviceable	BSDM
Exide Battery 1pce	05.03.2019	12500.00	serviceable	BSDM
Micro teck Inverter 1pce	05.03.2019	4,600.00	serviceable	BSDM
Godreg Freeze 1pce	05.03.2019	23350.00	serviceable	BSDM
UPS 1 Pcs	05.03.2019	3898.00	serviceable	BSDM
Plastic chair 50 pes	29.03.2019	28600.00	serviceable	SCSP
Moving chair 4 PCs	29.03.2019	13600.00	serviceable	SCSP
Khetia 8 pcs	28.03.2019	42000.00	serviceable	SCSP
Trolley 2 wheel	23.3.2019	9000.00	serviceable	NHM
Battery operated sprayer 16Ltr.2pce	22.2.2019	6400.00	serviceable	NHM
Water can 10Ltr 2pcs	22.2.2019	800.00	serviceable	NHM
Seceteare (Regular) 3Pieces	22.2.2019	1125.00	serviceable	NHM

Secrular Motar 3 Pieces	22.2.2019	1740.00	serviceable	NHM
Porlc Saw 2 Pieces	22.2.2019	1770.00	serviceable	NHM
Weeder 3 Pieces	22.2.2019	270.00	serviceable	NHM
Garden Hoe 1Pieces	22.2.2019	345.00	serviceable	NHM
Budding Knife 2Pieces	22.2.2019	560.00	serviceable	NHM
Sword 2 Pieces	22.2.2019	640.00	serviceable	NHM
Khurpe 3Pieces	22.2.2019	330.00	serviceable	NHM
Siclcle 3 Pieces	22.2.2019	495.00	serviceable	NHM
Head shear 2 Pieces	22.2.2019	1350.00	serviceable	NHM
Drill Heok 1 Pieces	22.2.2019	440.00	serviceable	NHM
Hand Rake 2 Pieces	22.2.2019	460.00	serviceable	NHM
Bulb planter 3 Pieces	22.2.2019	645.00	serviceable	NHM

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
M.B. Plough	29.03.06	18700.00	Serviveable	ICAR
9 Tyne Cultivator	29.03.06	10500.0	Serviceable	Do
6 Tynes Zero Till Seed cum fertilizer dirll (2 Nos.)	2007	Received from DEE, RAU, Pusa	Serviceable	Do
Zero till seed cum fertilizer drill (9 tyne)	2011	Received from RKVY, RAU, Pusa	Non Serviceable	RKVY fund, RAU, Pusa
Rotavator (TD) (5' width)	2011	Received from RKVY, RAU, Pusa	Not Serviceable	Do
Power reaper (TD)	2011	Received from RKVY, RAU, Pusa	Serviceable	Do
Three bottom disk plough (TD)	2011	Received from RKVY, RAU, Pusa	Serviceable	Do
Nine tine zero till seed cum fertilizer drill		Received from CIAE, Bhopal, M.P under Mechanization	Serviceable	CIAE, Bhopal/ICAR
Rotavator	18.10.2013	Rs. 99500.00 Purchased from Vikram farm machinery, Bekapur Munger	Serviceable	KVK, ICAR
Conoweeder	2013	-	Serviceable	CAE, Pusa Samastipur
Drum Seeder	2013	-	Serviceable	CAE, Pusa Samastipur

1.8. Details SAC meeting* conducted in the year

Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken	If not conducted, state reason
1.	10.08.2023	36			

** Salient recommendation of SAC in bullet form*
Attached in Annexure-II (Pg-141-143)

2.a. District level data on agriculture, livestock and farming situation (2023)

1.

S. No	Farming system/enterprise
1	Rabi : Wheat, maize, gram, lentil, linseed, pea, mustard, pointed gourd, bottle gourd, bitter gourd, brinjal, potato, Tomato, Cabbage & Sugarcane.
2	Kharif : Paddy, Maize, Red gram, millets.
3	Zaid : Mungbean, cucumber & different types of melons & mentha
4	Horticultural Crop : Mango, Bael, Guava, Jamun, Jackfruits etc.

Source – District Agriculture Department & ATMA, Munger

2.

One district one product (NITI Ayog)	Rice product (Kurkure murmure, poha etc)

3.

S. No	Farming system/enterprise
1	Rabi : Wheat, maize, gram, lentil, linseed, pea, mustard, pointed gourd, bottle gourd, bitter gourd, brinjal, potato, Tomato, Cabbage & Sugarcane.
2	Kharif : Paddy, Maize, Red gram, millets.
3	Zaid : Mungbean, cucumber & different types of melons & mentha
4	Horticultural Crop : Mango, Bael, Guava, Jamun, Jackfruits etc.

Source – District Agriculture Department & ATMA, Munger

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

S. No	Agro-climatic Zone	Characteristics
1	IIIA (Regional) 04(National)	Sandy loam(Diara), clay loam (tal) & loamy soil (Hilly Plain)pH = 6.5 to 8, organic carbon = 0.5 to 1% Available N:P:K (Kg/ha) = 200-400 N : 10 – 100 P : 150 – 300 K Average max. Temperature – 38^0C Average low. Temperature – 7^0C Average Relative humidity = 52% Average rain fall-1120mm, crop intensity 152%

5. Agro ecological situation

S. No	Agro ecological situation	Characteristics
1	Diara	Shallow tubewells have been dug & plastic casing or bamboo casing is used to lift ground water for irrigation. Flood prone area consists of sandy loam and sandy soil(entisols) having fertile alluvial soil for rabi crops. It is gangetaic plain area.
2	Tal	Tal soil (Vertisols) C- content good, Low content in P & K, PH – 6.7 to 7.3. Tal land remains fully submerge by water in kharif and only rabi crops have been cultivated as mono cropping system. Tal soil has high water holding capacity in micro pore space of clay black soil. It is suitable for pulse & oilseed crops.
3	Hilly Plain	Hillly plain red soil (Oxisoil), like Chhota Nagpur soil.pH 5.5 to 7.3 & oxisol has high infiltration rate of water and less water holding capacity, crops which require less water are cultivated in this hilly plain area. Most crops are grown in rainfed situation due to lack of deep tubewell
4	Hilly	Sloppy land (slope >1.5%) is found in hilly area in which paddy and other perennial fruit/forest crop are cultivated by deforming land with bench, bund and terracing method. Watershed management programmes have been conducted by Government & NGOs.

6.Soil type

S. No	Soil type	Characteristics	Area in ha
1	Sandy loam	Diara land (Entisols) poor in C content, N & P low, highly alkaline, PH – 6.9 to 7.7	16030
2	Clay & clay loam	Tal soil (Vertisols) C- content low, Low content in P & K, PH – 6.7 to 7.3	5500
3	Loamy Soil	Hillly plain (Oxisols) soil, High infiltration rate, like Chhota Nagpur soil. pH 5.5 to 7.3	21200

7Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (q)	Productivity (q/ha)
1	Paddy	33200	796800	24
2.	Wheat	21900	547500	25
3.	Rabi Maize	7252	203056	28
	Kharif Maize	4200	92400	22
4.	Gram	5930	67602	11.4
5.	Lentil	9080	111684	12.3
6.	Pea	3110	34210	11
7.	Rai/Mustard	3190	42108	13.2
8.	Tisi (Line Seed)	81	567	7
9.	Sunflower	16	112	7
10.	Summer Paddy	0	0	0
11.	Summer Maize	110	3630	33
12.	Summer Moong (Moong bean)	182	2184	12
13.	Til	172	1204	7
14.	Babycorn	8	48	6
15.	Red Gram	370	5587	15.1
16.	Fruit	**4398**	0	
	i. Banana	32	12544	392

	ii. Citrus	382	37054	97
	iii. Guava	325	26650	82
	iv. Litchi	92	6992	76
	v. Mango	3510	284310	81
	vi. Papaya	21	9912	472
	vii. Ber	15	780	52
	viii. Aonla	21	273	13
17	**Vegetables**	**17726**		
	i. Brinjal	272	50592	186
	ii. Cabbage	84	18228	217
	iii. Cauliflower	681	139605	205
	iv. Okra	61	6466	106
	v. Onion	245	37240	152
	vi. Pea	1400	156800	112
	vii. Potato	335	68005	203
	viii. Sweet Potato	82	23944	292
	ix. Tomato	591	143022	242
	x. Carrot	10	920	92
	xi. Radish	122	17202	141
	xii. Cucumber	182	44954	247
	xiii. Capsicum	8	320	40
	xiv. Pointed Gourd	592	100640	170
	xv. Watermelon	152	31464	207
18	Flower	37	777	21
19	Mushroom	12110	15743	1.30 kg mushroom per kg straw
20	Aromatic Plants	87	6090	70 litre/ ha (mentha oil)
21	Medicinal Plant	290	18270	63
22	Spices	385	3195.5	8.3

8. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January 2023	5.1	20.8	10.2	59-99
February 2023	23.9	23.6	10.4	88-98
March 2023	0.3	35.4	16.2	76-96
April 2023	12	39.4	23.8	30-40
May 2023	87	35.6	24.0	30-38
June 2023	165.5	36.4	26.6	35-45
July 2023	305.7	35.7	23.1	56-98
August 2023	271.1	33.6	24.8	64-99
September 2023	231.7	32.4	25.2	70-90
October 2023	106.2	31.8	20.2	58-88
November 2023	32.4	31.3	13.2	32-93
December 2023	12.4	27.4	11.5	38-99
Cumulative rainfall	104.44			

2.a-7. Production and productivity of livestock, poultry, fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	**47000**	799000 lit	**17Litre /day**
Indigenous	**60300**	120600 lit	**2 Litre /day**
Buffalo	**61310**	797030 lit	**13Litre / day**
Draft Animal	**4805**	2402.5	**0.5hp**
Sheep	**7510**	52570 kg	**7kg wool/sheep**
Goat 1	**23200**	162400 kg	**7 kg/goat meat**
Pigs	**8030**	104390 kg	**13 kg/pig**
Poultry			
Hens/Layer	**66700**	**186625 kg meat +6403200 eggs**	**1.25 kg/month/Hen/Broiler & average 8 eggs/ layer/ month**
Broiler	**82600**		
Duck	**1920**	1920 Kg	**1.0 kg/month**
Fish	**27**	621q	**23 quintal/ha.**

2.a-8 Details of Mechanization status (2023)

Sl. No.	Name of implement	No. of farm implements/machinery
1	Tractor	1605
2	Power tiller	572
3	Pumping sets(Diesel engine + centrifugal pump)	2620
4	Irrigation pipes (PVC)	53200
5	State tube well	36
6	Zero till seed cum fertilizer drill	193
7	Rotavator	442
8	Power thrasher	2530
9	Sprinkler set	510
10	Chaff cutter	1820
11	Combine harvester	13
12	Reaper	161
13	Mould board plough	2780
14	Harrow	2272
15	Cultivator	2282
16	Leveler	89
17	Sprayer	10100
18	Cono Weeder,	15510
	Power weeder	64

19	Dug well	1103
20	Bamboo boring	148
21	Total Irrigated Area – 26657.35 ha. (At present year only 7564 ha due to scarcity of rainfall.)	a. Canal = 19936 ha. b. Tube well = 412.5 ha. c. Pond – 258.9 ha d. Well -192 ha e. Other source = 5858.26 ha.
22.	Net sown area	66668 ha

2.b**Details of operational area / villages (2023)**

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Munger	Dharhara	Amari	Paddy & wheat	Low productivity due to disease & pest occurrence high input cost, weed problem and poor water management	HYV, RCT & Irrigation water management
2	Munger	Asarganj	Chaurgaon	vegetable& Paddy cultivation	Low fertilizer use, low productivity, lackness of mechanization, poor water management& nursery management.	water management& fertilizer application methods .
3.	Munger	Asarganj	Lagma	Vegetable, paddy & wheat	Bad Irrigation practices & lack of processing & mechanization	Processing, irrigation management, mechanization & crop production.
4.	Munger	Sadar Munger	Hasanpur	Vegetable, Mushroom	Poor water management low productivity with high inputs& lack of adoption of improved variety.	Line sowing of crops
5.	Munger	Bariyarpur	Raghunathpur	Wheat, Maize & Moong	Poor water management low productivity with high inputs& lack of adoption of improved variety.	Line sowing high of high yielding variety of cereal crops

2. c. Details of village adoption programme:

Name of the villages adopted by Senior scientist and head and SMS in 2023) for its development and action plan

Name of village	Block	Action taken for development
Hasanpur	Sadar Munger	❖ OFT,Farmers training, gosthi, Field visit, Field day, awareness and kisan chaupal have been organized at Hasanpur village. ❖ Farmers of this village have also been sent to different Kisan gosthi, Kisan Mela and other workshop by KVK , Munger. ❖ Front Line Demonstration on mushroom production conducted by KVK,Munger ❖ Trainig of rural youth has been performed ❖ BAUNewsletter.KVK Munger newspaper & leaflets of different packages of practices(field crops, horticultural crops, nutritional gardening, conservation agriculture)have

		been distributed among the farmers of the Hasanpur Village.
Kalyantola	Bariyarpur	❖ Training, kisan chaupal, Field visit, FLD & diagnostic survey have been conducted. ❖ Swachhata Awareness programme has been conducted. ❖ Farm women & farmers have been sent to different places for exposure visit.
Rataitha	Haveli Kharagpur	❖ Training, Kisan chaupal, Field visit & awareness programme have been conducted. ❖ Farmers have been taken to Kisan Mela at BAU, Sabour as exposure visit.
Lagma	Asarganj	❖ Training, Kisan chaupal, & awareness programme have been conducted. Promotion of millet & vegetable cultivation under eradication of Mal Nutrition.

2.1 Priority thrust areas

S. No	Thrust area
1.	Productivity enhancement in Rice-Wheat cropping system
2.	Natural Resource conservation and management
3.	Livestock production & management
4.	Watershed management& plantation of horticultural plants.
5.	Entrepreneurship development among farm women and rural youth
6.	Mechanization in Agril.

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2023

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
9	9	120	10	2	0	0	105	6	115	8	123	10	12	300	29	7	4	2	305	20	338	29	367

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
180	184	4570	486	474	118	198	3337	910	**3941**	**1582**	**5523**	280	288	38480	985	765	496	299	24850	16175	263311	172391	435570

Impact of capacity building										Impact of Extension activities									
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)							
Target	Achievement	SC		ST		Others		Total						SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
235	270	2	1	0	0	23	1	25	2	27	560	654		4	2	0	0	38	12	42	14	56

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
15	16.8	16.8	0.10000	0.12904	0.08685

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0	0	0.00450	0.00470

* Give no. only in case of fish fingerlings

3.2ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	**Technologies assessed under various crops (Cereal Crop Production)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management	2	8	14
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems	2	6	16
17	Farm Mechanization			
18	Others			
	Total	**4**	**30**	**4**
B	**Technologies assessed under various crops (Hort crops.)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management	**1**	**3**	**7**
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation			

	Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**0**	**0**	**0**
D	**Technologies assessed under miscellaneous enterprises by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery reduction			
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others (irrigation , water management)	3	9	27
	Total	**0**	**0**	**0**
E	**Technologies assessed under various enterprises for women empowerment**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**

1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others (Assessment Analysis)	1	4	60
	Total	**0**	**0**	**0**

3.2.2 OFT 1(All discipline) 2022-23

1.	Title of On farm Trial	**Assessment of Integration of fertilizer in different form on yield of lentil**
2.	Problem diagnose	Injudicious use of chemical fertilizer
3.	**Technological Options: Technology Details**	**Farmer Practice**: Seed Treatment + RDF(25:40:0NPK kg/ha) **Technological Option1**:50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage) **Technological Option2**: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation)
4.	Source of Technology	OFT finalization workshop, BAU,Sabour
5.	Production system and thematic area	Fallow/Rice- lentil cropping system and Integrated Nutrient management
6.	Performance of the Technology with performance indicators	Seed treatment with PSB + Rhizobium, 50% of RDF + WSF 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) yields maximum 15 g/ha , Av. No. of pods / plant & B.C ratio (4.46)
7.	Final recommendation for micro level situation	Seed treatment with PSB + Rhizobium, 50% of RDF + WSF 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) is recommended
8.	Constraints identified and feedback for research	Tedious work to evaluate bio fertilizer and not easily availability of water soluble fertilizer in local market.
9.	Process of farmers participation and their reaction	Farmers are motivated to conduct OFT in training, Kisan gosthi & direct interaction with scientist of KVK.

Title : Assessment of Integration of fertilizer in different form on yield of lentil

Thematic area : Integrated Nutrient management

Problem definition: Injudicious use of chemical fertilizer

Table: Effect of **Integration of fertilizer in different form on yield** of lentil & cost economics

Thematic Area	Technology options with detailed treatments	Area		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		Proposed (ha)	Actual (ha)					
Integrated Nutrient management	**Farmer Practice**: Seed Treatment + RDF(25:40:0NPK kg/ha)	1.5	1.5	10.8	21680	64920	43240	2.99
	Technological Option1:50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage)			12.9	19560	77570	58010	3.97
	Technological Option2: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation)			15.0	20230	90220	69910	4.46
			CD	**1.65**				
			SEm	**0.54**				
			CV	**11.81**				

Results: The Technical option (T2) Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation) was found the best technical option in term of maximum yield (15 q/ha), no.of pods per plant (86) BC ratio 4.46 followed by technical option -1 & farmers' practice respectively.

OFT- 2

1.	Title of On farm Trial	Assessment of diversification of rice-based cropping systems with other cropping system
2.	**Problem Diagnosed**:	low profitability of existing cropping system
3.	**Technological Options: Technology Details**	**Farmer Practice:** Rice – Wheat (prominent cropping system of district) **Technological Option1: Rice- Maize + Potato** **Technological Option2: Rice-Maize + Vegetable Pea** **Technological Option3: Rice-wheat –Green gram.**
4.	Source of Technology	OFT finalization workshop, BAU,Sabour
5.	Production system and thematic area	Rice- wheat cropping system and Crop diversification.
6.	Performance of the Technology with performance indicators	Rice- Maize + Potato cropping system yields maximum B-C ration (3.42)
7.	Final recommendation for micro level situation	Rice- Maize + Potato cropping system is final recommendation of OFT
8.	Constraints identified and feedback for research	Topographic & agro situation(Diara, Tal , hilly) soil having different cropping system
9.	Process of farmers participation and their reaction	Direct interaction in kisan gosthi, training to conduct OFT, They have expressed their zeal to adopt Rice- Maize + Potato cropping system for more profitability.

Title : Assessment of Diversification of rice-based cropping systems with other cropping system

Thematic area : crop diversification

Problem definition: low profitability of existing cropping system

Table: Effect of Diversification of rice-based cropping systems with other cropping system & cost economics

Thematic Area	Technology options with detailed treatments	Area		Inter Cropping Yield (q/ha)			System Gross Yield (q/ha)	System Cost of cultivation(Rs./ha)	System Gross return (Rs/ha)	System Net return (Rs./ ha)	System BC ratio
		Proposed (ha)	Actual (ha)	Maize	Potato	Vegetable Pea					
crop diversification	**Farmer Practice:** Rice – Wheat (prominent cropping system of district)	1.4	1.4	0	0	0	75.9	78760	157650	78890	2.00
	Technological Option1: Rice- Maize + Potato			84.1	261.8	0	386.5	135850	464520	328670	3.42
	Technological Option2: Rice-Maize + Vegetable Pea			85.2	0	68.5	196.7	132660	440830	308160	3.32
	Technological Option3: Rice-wheat –Green gram.			0	0	0	94.7	95840	226720	130880	2.37

Results: Technological Option1 (**Rice- Maize + Potato**) was obtained highest BC Ratio (3.42), Net return (Rs.328670 /ha), Gross Return (Rs.464520 /ha) followed by TO2 (**Rice-Maize + Vegetable Pea**), TO3 (Rice-wheat–Green gram) & FP (Rice – Wheat)respectively.

OFT – 3

1.	Title of On farm Trial	**Assessment of Integration of fertilizer in different form on yield of lentil**
2.	Problem diagnose	Injudicious use of chemical fertilizer
3.	**Technological Options: Technology Details**	**Farmer Practice**: Seed Treatment + RDF(25:40:0NPK kg/ha) **Technological Option1**:50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage) **Technological Option2**: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation)
4.	Source of Technology	OFT finalization workshop, BAU,Sabour
5.	Production system and thematic area	Fallow/Rice- lentil cropping system and Integrated Nutrient management
6.	Performance of the Technology with performance indicators	Result Awaited
7.	Final recommendation for micro level situation	Result Awaited
8.	Constraints identified and feedback for research	Result Awaited
9.	Process of farmers participation and their reaction	Result Awaited

Title : Assessment of Integration of fertilizer in different form on yield of lentil

Thematic area :Integrated Nutrient management

Problem definition: Injudicious use of chemical fertilizer

Table: Effect of **Integration of fertilizer in different form on yield** of lentil & cost economics

Thematic Area	**Technology options with detailed treatments**	**Area**		**Yield** (q/ha)	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return(Rs./ha)**	**BC ratio**
		Proposed (ha)	**Actual (ha)**					
Integrated Nutrient management	**Farmer Practice**: Seed Treatment + RDF(25:40:0NPK kg/ha)	1.5	1.5					
	Technological Option1:50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage)							
	Technological Option2: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation)							

Results: Awaited

OFT- 4

1.	Title of On farm Trial	**Diversification of rice-based cropping systems**
2.	**Problem Diagnosed**:	low profitability of existing cropping system
3.	**Technological Options: Technology Details**	**Farmer Practice:** Rice – Wheat (prominent cropping system of district) **Technological Option1: Rice- Maize + Potato** **Technological Option2: Rice-Maize + Vegetable Pea** **Technological Option3: Rice-wheat –Green gram.**
4.	Source of Technology	OFT finalization workshop, BAU,Sabour
5.	Production system and thematic area	Rice- wheat cropping system and Crop diversification.
6.	Performance of the Technology with performance indicators	Result Awaited
7.	Final recommendation for micro level situation	Result Awaited
8.	Constraints identified and feedback for research	Result Awaited
9.	Process of farmers participation and their reaction	Result Awaited

Title : Assessment of Diversification of rice-based cropping systems

Thematic area :crop diversification

Problem definition: low profitability of existing cropping system

Table: Effect of Diversification of rice-based cropping systems & cost economics

Thematic Area	Technology options with detailed treatments	Area		Inter Cropping Yield (q/ha)			System Gross Yield (q/ha)	System Cost of cultivation(Rs./ha)	System Gross return (Rs/ha)	System Net return (Rs./ ha)	System BC ratio
		Proposed (ha)	Actual (ha)	Maize	Potato	Vegetable Pea					
crop diversification	**Farmer Practice:** Rice – Wheat (prominent cropping system of district)	1.4	1.4								
	Technological Option1: Rice- Maize + Potato										
	Technological Option2: Rice-Maize + Vegetable Pea										
	Technological Option3: Rice-wheat –Green gram.										

Results: Awaited

OFT-5

1.	Title of On farm Trial	Assessment of fruit bagging in Guava for quality improvement.
2.	Problem diagnosed	Insect infestation detoriates fruit quality
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice – No bagging T.O.1– Cellophane bag cover T.O.2– Paper bagging
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	University of Agriculture science Dharwad
5.	Production system and thematic area	Paddy -wheat production system, cultivation of fruits
6.	Performance of the Technology with performance indicators	Days to maturity, fruit fly damage %, Disease incidence %, Physical damage %, fruit weight (gram), Appearance pulp colour, self life(days), Yield per tree or per ha, economics Rs/ha.
7.	Final recommendation for micro level situation	Cellophane bag cover is found best option for fruit bagging in Guava.
8.	Constraints identified and feedback for research	It is new technology for Munger district. There is no commercial orchard of guava in Munger district. So farmer awareness is needed.
9.	Process of farmers participation and their reaction	Farmers are motivated to conduct OFT in training, Kisan gosthi & direct interaction with scientist of KVK.

Title : Assessment of fruit bagging in Guava for quality improvement.

Thematic area: Cultivation of fruits

Problem definition: Insect infestation detoriate fruit quality

Table: **Assessment of fruit bagging in Guava for quality improvement.**

Thematic Area	Technology options with detailed treatments	Area(ha)		Yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual	(q/ha)				
Cultivation of fruits	Farmers Practice – No bagging	2	2	55.29	56000	110580	54580	1.97
	T.O.1– Cellophane bag cover			88.29	74000	441450	367450	5.96
	T.O.2– Paper bagging			76.71	67000	306840	239840	4.56

Results: The table shows that T.O.1 is the best in terms of yield/ha(88.29)as well as BC ratio (5.96) in comparison to TO-2 & F.P. respectively.

OFT- 6

1.	Title of On farm Trial	Assessing the Extension Education methods for awareness **&** use of Soil Health Card (SHC)
2.	**Problem Diagnosed**:	Farmers awareness towards use of Soil Health Card
3.	**Technological Options: Technology Details**	**Farmers Practice -** Farmers not using any extension method. **Tech. Option I -** Farmers having Soil Health Card with training literature**.** **Tech.Option II -** Farmers having Soil Health Card &using social media. **Tech.Option III -** Farmers having Soil Health Card, training literature & using social media
4.	Source of Technology	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Assessment Analysis
6.	Performance of the Technology with performance indicators	Farmers having soil health card, training literature & using social media adopted more no. of S.H.C.
7.	Final recommendation for micro level situation	For better adoption of soil health card a combination of technology option like Soil Health Card, training literature & using social media will helpful for increasing production & productivity.
8.	Constraints identified and feedback for research	Unawareness towards SHC .
9.	Process of farmers participation and their reaction	Farmers are ready to adopt technology option III (Farmers having Soil Health Card, training literature & using social media).

Title : Assessing the Extension Education Methods for Awareness **&** use of Soil Health Card (SHC)

Thematic area *:* Assessment Analysis

Problem definition: Farmers awareness towards use of Soil Health Card

Table:1 Distribution of respondent according to Level of Knowledge

Thematic area	**Technology options with detailed treatments**	**Low (0-14 marks)**		**Medium (15-29 marks)**		**High (30-44 marks)**	
		Frequency	%	Frequency	%	Frequency	%
Assessment Analysis	**FP:** Farmers not using any extension method.	18	90	2	10	0	0
	TO1: Farmers having Soil Health Card with training literature**.**	4	20	9	45	7	35
	TO2: Farmers having Soil Health Card & using social media.	4	10	6	30	10	50
	TO3: Farmers having Soil Health Card, training literature & using social media	1	05	5	25	14	70

Table:2 Distribution of respondent according to Extent of Adoption

Technology Option	**Low (0-16 marks)**		**Medium (17-33 marks)**		**High (34-50 marks)**	
	Frequency	**%**	**Frequency**	**%**	**Frequency**	**%**
F.P	17	85	3	15	0	0
TO1	4	20	14	70	2	10
TO2	3	15	11	55	6	30
TO3	2	10	5	25	13	65

Table:3 Distribution of respondent according to Awareness towards SHC & its Use

Technology Option	Fully Aware (41-60 marks)		Aware (21-40 marks)		Unaware (0-20 marks)		Use of SHC	
	Frequency	%	Frequency	%	Frequency	%	Frequency	%
F.P	2	10	4	20	14	70	2	10
TO1	4	20	9	45	7	35	3	15
TO2	7	35	8	40	5	25	6	30
TO3	13	65	6	30	1	5	8	40

Result : On the basis of result depicted in above table it was concluded that farmers having Soil Health Card along with training literature & using social media was found more knowledge (70 %) their extent of adoption of SHC recommendation (65 %) and 40 % of the farmers by Use of SHC followed TO2. Hence TO3 was found most effective technology option.

OFT- 7

1.	Title of On farm Trial	Assessment of different irrigation methods on productivity of tomato in medium land
2.	Problem diagnose	Less yield with high amount of water application and with high input cost. The product is also found with deteriorated quality
3.	Details of technologies selected for assessment/refinement	**Farmer practice** **:** Traditional furrow / bed irrigation **Technical option1** **:** Alternate furrow irrigation **Technical option2** **:** Drip irrigation plus plastic mulch
4.	Source of Technology	PFDC, R.A.U. Samastipur annual Report (2004)/ OFT finalization at DRPCAU, Pusa
5.	Production system and thematic area	Irrigated and Water Management
6.	Performance of the Technology with performance indicators	Drip irrigation was found the best technical option in term of maximum yield (225 q/ha), , maximum net profit (Rs 158830 /ha) ,maximum BC ratio (3.40) and maximum water use efficiency (8.33 q/ha–cm)
7.	Final recommendation for micro level situation	Drip irrigation is recommended in tomato cultivation
8.	Constraints identified and feedback for research	High cost of drip irrigation system and not easily availability of drip irrigation components.
9.	Process of farmers participation and their reaction	Farmers are motivated to conduct OFT. They reveals their will to adapt drip irrigation in vegetable cultivation to save inputs and to enhance yield.

Title : Assessment of different irrigation methods on productivity of tomato in medium land

Thematic area: Water Management (Agril Engg)

Problem definition: Less yield with high amount of water application and high input cost. The product is also found with deteriorated quality

Table: Effect of different irrigation methods applied on yield and its cost economics

Thematic area	Technology options with detailed treatments	Area(ha)		No. of trials	Yield (q/ha)	Cost of cultivation(Rs. /ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		Proposed	Actual						
Water Management	**FP:** Traditional furrow/ bed irrigation	0.5	0.5	09	195	69300	195000	125700	2.81
	TO1: Alternate furrow irrigation				212	65320	212000	146680	3.25
	TO2: Drip irrigation plus plastic mulch				225	66170	225000	158830	3.40*

Results: Results: The Technical option (T2) Drip irrigation with plastic mulch was found the best technical option in term of maximum yield (225 q/ha), maximum net profit (Rs 158830 /ha) ,maximum BC ratio (3.40) .

OFT-8

1.	Title of On farm Trial	Assessment of effect of different types of low cost mulching in vegetable production
2.	**Problem Diagnosed**:	Low yield of vegetable with deteriorated quality by applying more quantity of water & agril. inputs
3.	**Technological Options: Technology Details**	**Farmer practice** **:** No mulch **Technical option1** **:** Mulching with banana dry leaf **Technical option2** **:** Mulching with crop residue (husk, Straw, dry leaves or Stem)
4.	Source of Technology	Pallela Saisup (et al) Mulching in vegetable, State agril. university, Mojerla, Telangana /)/ OFT finalization at DRPCAU, Pusa
5.	Production system and thematic area	Irrigated ,Water management (Agril. Engg.)
6.	Performance of the Technology with performance indicators	Mulching with crop residue/ wheat husk yielded max. yield (465 q/ha) of vegetable, Water saving (10.16%), maximum water use efficiency (1.07 q/ha-m.m) and B:C ratio (1.86)
7.	Final recommendation for micro level situation	Mulching with low cost crop residue.
8.	Constraints identified and feedback for research	Application of depth of mulch, less weeds control and takes more time for decomposition of crop residue.
9.	Process of farmers participation and their reaction	Farmers are motivated to conduct OFT in training, Kisan gosthi & direct interaction with scientist of KVK. They have expressed their will to follow up crop residue mulch in garma vegetable to same water and other agril. inputs for fetching higher vegetable yields.

Title : Assessment of effect of different types of low cost mulching in vegetable production

Thematic area: Water management (Agril. Engg.)

Problem definition: Low yield of vegetable with deteriorated quality by applying more quantity of water & agril. inputs

Table: Effect of low cost mulching in vegetable (bottle guard) production

Cost economics of different technological options of different mulching in bottle guard production.

Thematic area	Technology options with detailed treatments	Area(ha)		Yield (q/ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		Proposed	Proposed					
Water management	**FP:** No mulch	0.4	0.4	410	182300	287000	104700	1.57
	TO1: Mulching with banana dry leaf			442	175300	309400	134100	1.76
	TO2: Mulching with crop residue (husk, Straw, dry leaves or Stem)			465	176400	325500	149100	1.86
			CD@ 5 %	8.59				
			SEM	1.58				
			Cv %	8.31				

Results: The data pertaining in tables reveal that Technological option 2 (Mulching with crop residue, wheat husk) was found the best T.O. in terms of max. yield (465 q/ha) and B:C ratio (1.86) followed by T.O.1 and F.P. respectively.

OFT- 9

1.	Title of On farm Trial	Assessment of different irrigation methods on productivity of tomato in medium land
2.	Problem diagnose	Less yield with high amount of water application and high input cost. The product is also with deteriorated quality
3.	Details of technologies selected for assessment/refinement	**Farmer practice** **:** Traditional furrow bed irrigation **Technical option1** **:** Alternate furrow irrigation **Technical option2** **:** Drip irrigation
4.	Source of Technology	PFDC, R.A.U. Samastipur annual Report (2004)/ OFT finalization by ATARI
5.	Production system and thematic area	Irrigated and Water Management /
6.	Performance of the Technology with performance indicators	Awaited
7.	Final recommendation for micro level situation	Awaited
8.	Constraints identified and feedback for research	Awaited
9.	Process of farmers participation and their reaction	Awaited

Title : Assessment of different irrigation methods on productivity of tomato in medium land

Thematic area: Water Management (agril. Engg)

Problem definition: Less yield with high amount of water application and high input cost. The product is also found with deteriorated quality

Table: Effect of different irrigation methods applied on yield and its cost economics

Thematic area	Technology options with detailed treatments	Area(ha)		Yield (q/ha)	Cost of cultivation(Rs. /ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		Proposed	Actual					
Water Management	**FP:** Traditional furrow/ bed irrigation	0.5	0.5					
	TO1: Alternate furrow irrigation							
	TO2: Drip irrigation plus plastic mulch							

Results: Results: Awaited

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS(FLD)

A. Overall achievements of FLDs conducted during the year 2023

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
	Cereals	**7**	**32**	**204**	**14-24 %**	
	Oil Seed					
	Pulses	**2**	**10**	**132**	**-**	**-**
	Horticulture Crops	**1**	**0.016**	**10**	**-**	**-**
	Other crops (water management)	**2**	**8**	**21**	**175**	**122**
	Hybrid crop					
	Livestock					
	Fisheries					
	Other enterprises					
	Women empowerment					
	Farm Machinery					
	Grand Total	**12**	**50.016**	**367**		

B. **Details of FLDs conducted during the year 2023**

1. Cereals

Crop	Thematic Area	Variety	Season	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Sorghum	Cropping System	CSH-24	Kharif 2023	45	6	27.1	22.6	19.9	Sup	inf	27840	67750	39910	2.43	29220	56500	27280	1.93
Bajra	Cropping System	BAIF1	Kharif 2023	47	6	28.3	22.7	23.58	Sup	inf	26890	70750	43860	2.63	28320	57250	28930	2.02
Barnyarn millet	Cropping System	DHBM-93-2	Kharif 2023	6	1	10.6	8.8	20.45	Sup	inf	18700	42400	23700	2.27	20600	35200	14600	1.71
Foxtail millet	Cropping System	SIA - 3156	Kharif 2023	29	4	11.6	9.7	19.59	Sup	inf	19910	46400	26490	2.33	20900	38800	17900	1.86
Finger millet	RCT	GPU28/ Vankula /CFMV1	Kharif 2023	42	10	24.6	21.4	14.9	Sup	inf	25620	61500	35880	2.4	26820	53500	26680	1.99
Sorghum	RCT	CSV-15	Kharif 2023	15	3	26.3	22.6	16.4	Sup	inf	27320	65750	38430	2.41	28320	56500	28180	2.0

Wheat fortified	Cropping System	BHU31	Rabi2023-24	20	2	Result Awaited

2. Oilseeds

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total															

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

3. Pulses

Crop	Thematic Area	Variety	Season	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Pieonpea	RCT	IPA 203	Kharif 2023	85	4	Result Awaited												
Lentil Fortified	Cropping System	IPL220	Rabi 2023-24	50	6	Result Awaited												

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

4. Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Broccoli	Vegetable cultivation	Destiny	10	0.016	Result awaited										
	Total														

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

5. Other crops

Crop	Thematic Area	Variety	Season	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Vegetable	Drip irrigation	Drip irrigation	Rabi 22-23	10	4	**175**	**122**	**43.4**	Superior	Inferior	**70503**	**225300**	**154797**	**3.20**	**61100**	**118200**	**57100**	**1.93**
Maize	Water Management	Irrigation applied at 0.9 CPE	Rabi 23-24	11	4.0	Result awaited												

6. Demonstration details on crop hybrid varieties

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										

Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

7. Livestock

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of units**	**Major parameters**		**% change in major parameter**	**Other parameter**		***Economics of demonstration (Rs.)**				***Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Piggery																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

8. Fisheries

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of units**	**Major parameters**		**% change in major parameter**	**Other parameter**		***Economics of demonstration (Rs.)**				***Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
		Total															

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

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
	Total															

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

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	**Demonstration**	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden					
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	0	0			

11. Farm implements and machinery (Sowing and planting tools and machineries)

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
					Demon.	Check			
Zero tillage	Paddy and Mungbean	Line sowing by zero tillage	208	85	Less seed , less irrigation water and less environment pollution	Low yield with high input	20-22 % more yield	12-15 man days/ ha	Rs 5500-6000 /ha
Raised bed planter	Maize, Pigeonpea	Line sowing by raised bed planter	65	25	15-20% more yield with saving of 25-30% irrigation water. Low mortality & high sprouting in rainy seasons due to no water logging in root zone.	Low yield with high input	15-20 days less crop span	30-35 man days/ha	Rs. 3000-4000/ha
Happy Seeder	Mungbean	Sowing of Moong by happy seeder for crop residue management	21	8	15-20 % more yield . Crop residue managed to improve carbon content in soil to enhance its soil fertility and soil moisture availability.	Environment pollution and spoilage of plant nutrient due to burning of crop residue.	Better Vegetative growth and yield of Mungbean and other crops	20-22 man days/ha	Rs.5000-6000/ha

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

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	03.01.2023, 12.01.2023,23.01.2023, 27.01.2023, 02.02.2023,09.02.2023, 16.02.2023, 17.02.2023	22	665	At three stages(sowing, vegetative growth & harvesting) of crops

		02.03.2023, 04.03.2023, 16.03.2023,23.03.2023 , 24.03.2023, 27.03.2023, 01.04.2023,10.04.2023, 04.05.2023, 03.06.2023, 06.11.2023, 08.11.2023, 17.11.2023, 24.11.2023			
2.	Farmers Training	19.01.2023,04.02.2023, 03.03.2023,06.03.2023 ,28.03.2023 ,12.04.2023, 15.04.2023,18.04.2023, 20.04.2023, 21.04.2023,24.04.2023,27.04.2023, 28.04.2023, 02.05.2023, 03.05.2023, 09.05.2023, 10.05.2023, 11.05.2023, 12.05.2023, 18.05.2023, 06.06.2023, 01.07.2023, 17.08.2023, 07.10.2023, 07.07.2023, 24.11.2023, 26.11.2023 , 30.11.2023	28	843	
3.	Media coverage	12.01.2023,04.02.2023,14.03.2023,06.06.2023, 02.06.2023, 07.06.2023, 08.06.2023, 15.06.2023, 17.07.2023,28.07.2023,17.08.2023,13.09.2023, 21.09.2023, 30.09.2023	14	mass	
4.	Training for extension functionaries	17.02.2023, 03.03.2023.04.03.2023, 28.04.2023, 27.05.2023, 11.10.2023, 22.11.2023	7	214	

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1.	IPA-203	This HYV redgram has produce more no. of branches and pods along with resistant to wilt and yellow mosaic.
2.	Seed treatment(insecticide & fungicides)	It is cost effective technology. The fungicide. Trichoderma liquid biofertiliser & insecticide should be easily available. It is applicable for all crops, so the people should be trained by this technology.
3.	Irrigation application in Vegetable	Irrigation applied at branching, flowering & curd /pod formation stages of vegetable cultivation.
4.	Farm Machinery	Zero tillage machine, Rotavator, paddy transplanter & self propelled reaper have proved excellent farm machineries to perform agricultural woks in less time with low cost efficiency. The L.D.P.E. pipe proved as useful pipes for small farmer to irrigate their field efficiently without conveyance loss of irrigation water.
5.	Improved variety of different crops	The Improved variety of Paddy, Wheat, Mustard, Chickpea, lentil & mungbean should be available in local basis.
6.	Direct Seeded Rice	It is the best technology to reduce cost of cultivation in paddy cultivation & maximum utilization of rainfall water in paddy cultivation. There is serious weeds problem in direct seeded rice.
7.	Different types of millets (Sorghum, Perl, finger, foxtail & other)	Millets are recommended in upland area and in drought situation for eradication of Mal Nutrition.
8.	Weed management in Lentil	Weeds retard yield(10-40 %)of Lentil . Farmers have responded positively to apply pendimethelin (pre-emergence weedicide to control weed in lentil.

9.	Cultivation of bio fortified wheat & paddy	Bio- fortified wheat & paddy is suitable for this region to mitigate mal nutrition.

A. PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD) (During Kharif, Rabi and Summer) (2022-23)

A. Technical Parameters:

Sl. No.	Crop demons.	Existing (Farmer's) variety name	Existing yield(q/ha)	Yield gap (q/ha) w.r.to Demo			Name of Variety + Technology Demonstrated	No. of farmers	Area (in ha)	Yield obtained (q/ha)			Yield gap minimized (%) in comparison to Demo		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeon pea	Local	11.4	1380	1681	2500	IPA203+ Carbendazim + Rhizobium + PSB +Zn	77	20	18.1	13.1	15.7	13.8 (more)	6.6 (Less)	37.2 (Less)
2	chickpea	Local	10.8	1140	1190	2500	RVG 202+ Carbendazim + Rhizobium +PSB	65	20	16.4	10.8	13.6	19.3 (More)	14.3 (More)	45.6 (Less)
3	Lentil	Local	11.2	1230	1001	2000	IPL 316+ Trichoderma + Rhizobium +PSB	56	20	17.4	12.8	15.1	22.8 (More)	51.1 (More)	24.5 (Less)

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost	Gross return	Net Return	B:C	Gross Cost	Gross return	Net Return	B:C
		(Rs/ha)	(Rs/ha)	(Rs/ha)	Ratio	(Rs/ha)	(Rs/ha)	(Rs/ha)	Ratio
1	IPA203+ Carbendazim +Rhizobium +PSB+Zn	24060	75240	51280	3.13	26430	99220	72790	3.8
2	RVG 202+ Carbendazim +Rhizobium +PSB	23110	57670	34560	2.50	25140	72620	47480	3.9
3	IPL 316+ Trichoderma + Rhizobium +PSB	20100	62720	42620	3.11	21200	84560	63360	3.99

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1	IPA203+ Carbendazim +Rhizobium +PSB+Zn	1510	1410	50	20	80	Scaling up stand of living & fulfilling necessary requirement	44

2	RVG 202+ Carbendazim +Rhizobium +PSB	1360	1260	52	40	70	Family health & child education	39
3	IPL 316+ Trichoderma + Rhizobium +PSB	1510	1260	55	40	110	child health & education	31

D. **Pulse seed Farmers' perception of the intervention demonstrated**

Sl. No.	**Technologies demonstrated (with name)**	**Farmers' Perception parameters**					
		Suitability to their farming system	**Likings (Preference)**	**Affordability**	**Any negative effect**	**Is Technology acceptable to all in the group/village**	**Suggestions, for change/improvement, if any**
1	IPA203+ Carbendazim +Rhizobium +PSB+Zn	Mono-cropping in rainfed situation	Farmers have trained to sown crops in proper row spacing and depth	Low cost and early adoptability	Short Duration variety, crop suffer moisture stress & resulted poor yield	All groups farmers	Farmers have preferred short duration high yielding and uniform maturing pigeon pea variety
2	RVG 202+ Carbendazim +Rhizobium +PSB	Mono-cropping in rainfed situation	Farmers have been trained to seed treatment and use of bio fertilizer application	Low cost and early adoptability	Medium Duration variety, Crop suffers soil moisture Scarcity and resulted wilt Disease	All group of farmers	Farmers are needed short duration high yielding pod borer and wilt resistant variety
3	IPL 316+ Trichoderma + Rhizobium +PSB	Mono-cropping rainfed area	Farmers have been trained to do seed treatment and use of bio fertilizer application	Low cost and early adoptability	Crop suffers soil moisture Scarcity and resulted wilt problem and poor yield	All group of farmers	Farmers are needed to high yielding potential variety and adoptable to aberrant weather condition

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
IPA 203 wilt resistant, medium duration , good potential yield 25 q /ha & IPA203+ Carbendazim +Rhizobium +PSB +Zn	Higher growth , yield attributing characters and yield (15.7 q/ha) obtained with IPA 203 + Carbendazim +Rhizobium +PSB+Zn	Highest yield (15.7 q/ha) obtained with IPA203+ Carbendazim +Rhizobium +PSB+Zn inm observed for over local check (11.4q/ha)	Scarcity of soil moisture at flowering initiation stage and more occurrence of wilt disease and tur pod fly attack at pod formation
RVG202 is suitable for irrigated area and good yield potential (25q /ha) medium bold seeded moderate resistant to wilt, root rot and pod borer insect	Higher growth, yield (13.6q/ha) and yield attributing character with treatment of RVG202+ Carbendazim (2g/kg) + Rhizobium (5 ml/kg) + PSB (5 ml/kg) in chickpea	Highest yield (13.6q/ha) and yield attributing character was recorded with RVG202+ with treatment of RVG202+ Carbendazim (2g/kg) + Rhizobium (5 ml/kg) + PSB (5 ml/kg) over local check (10.8q/ha)	Farmers are need to grow this type late sown variety and adopt low cost of production technology and produce seed and distributed to other farmers threshing time broken seed have problem
IPL 316 is Suitable for normal sowing in rainfed area moderate growth habits and good yield potential (20q /ha), small seeded and resistant to rust and wilt diseases	Higher growth and yield (15.1 q/ha) and yield attributing characters with IPL 316 + with seed treatment of Trichoderma (5g/kg) + and application of Rhizobium (5 ml/kg) + PSB ((5 ml/kg) in lentil	Higher growth and yield (15.1 q/ha) and yield attributing character with IPL 316 + with seed treatment Trichoderma (5g/kg) + and application of Rhizobium (5 ml/kg) + PSB ((5 ml/kg)over local check (11.2q/ha).	Farmers are required to early maturing and high yielding variety and resistant to wilt, rust and frost and cut worm insects

F. Extension activities under C FLD conducted 2022-23:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Scientific cultivation of Arhar crop	27/06/2022, Bilokhar &02/07/2022 Dhapri &04/07/2022 Varuna	97
2.	Monitoring of Arhar	28/08/2022, , 11/09/2022, & 11/11/2022, 31/12/2022 (Bilokhar and Varuna)	106

		29/09/2022, 18/10/2022, 21/10/2022, 13/01/2023, 02/03/2023 (Dhapri and Prasando)	
3	Farmers Field day on pigeonpea	27/01/ 2023 &31/03/2023 (Bilokhar)	79
4	Scientific cultivation of lentil crops	11/11/2022 (Indurukh)&15/11/2022 Badi govindpur	43
5	Scientific cultivation of chickpea crops	18/11/2022 Neepur	26
6	IPM in Rabi pulses	12/01/2023 (Farda)	28
7	Monitoring of chickpea and lentil	18/11/2022 , 23/11/2022 and 21/03/2023 (Prasando, Piyarpur, Neerpur and, Baluahi) , 11/11/2022, 17/12/2022 ,30/12/2022, 07/01/2023, 30/01/2023 and 02/03/2023 (Indurukh , Farada and Bhalar , kutlupur diara)	193
8	Farmers Field day on chickpea and lentil	09/02/2023(Indurukh), 17/02/2023 Piyarpur and 16/03/2023 Neerpur	97

J. Details of budget utilization 2022-23

Crop (provide crop wise information)	**Items**	**Budget Sanctioned (Rs.)**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Pigeon pea	i) Critical input	162,000	55,900	57424	5100
	ii) TA/DA/POL etc. for monitoring	18,000		5100	-5100
	iii) Extension Activities (Field day)				
	iv)Publication of literature			00	00
	Total	180,000	62524	62524	00.0
Chickpea	i) Critical input	162,000	55,900	89050	-42322

	ii) TA/DA/POL etc. for monitoring	18,000		0.0	0.0
	iii) Extension Activities (Field day)				
	iv)Publication of literature				00
	Total	180,000	46278	89050	-42322
Lentil	i) Critical input	162,000	55,900	65500	5800
	ii) TA/DA/POL etc. for monitoring	18,000		5800	-5800
	iii) Extension Activities (Field day)				
	iv)Publication of literature				
	Total	1,80,000		71300	0.0
	GT	540000			

B. Report of CFLD on Pulse Crops during 2023 -24

Sl. No.	Crop demons.	Existing (Farmer's) variety name	Existing yield(q/ha)	Yield gap (q/ha) w.r.to Demo			Name of Variety + Technology Demonstrated	No. of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%) in comparison to Demo		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P

1	**Lentil**	Local					IPL 316+ Trichoderma + Rhizobium +PSB	35	14				result awaited Crop Standing at flowering stage
	Lentil	Local					Pusa Ageti Masur+ Trichoderma+ Rhizobium +PSB	21	6				result awaited Crop Standing at flowering stage

Details of fund utilization under CFLD Pluses crops during 2023 -24

Crop (provide crop wise information)	**Items**	**Budget Sanctioned (Rs.)**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Lentil	i) Critical input	162,000	55,900	1,31,375	
	ii) TA/DA/POL etc. for monitoring	18,000		4750	
	iii) Extension Activities (Field day)				
	iv)Publication of literature			00	
	Total	1,80,000		1,36,125	-43,875

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

(Mandated KVK trainings/sponsored training /FLD training programmes):

A. Farmers and farm women including the sponsored training programme(on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	22	3	25	4	1	5	0	0	0	26	4	30
Resource Conservation Technologies	5	41	43	84	14	17	20	0	10	10	55	67	122
Cropping Systems													
Crop Diversification	3	58	14	72	10	6	16	0	0	0	68	20	88
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs	2	40	0	40	10	0	10	8	0	8	58	0	58
Others, (cultivation of crops)	6	123	32	155	16	16	32	5	5	10	144	53	197
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1	20	0	20	7	0	7	0	0	0	27	0	27
Nursery raising													
Export potential vegetables													
Grading and standardization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	1	0	12	12	0	8	8	0	0	0	0	20	20
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	1	20	6	26	3	5	8	0	0	0	23	11	34
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management	3	63	9	72	5	0	5	0	10	10	68	19	87
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	25	5	30	3	3	6	0	0	0	28	8	36
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	5	121	24	145	13	10	23	0	0	0	134	34	168
Small scale processing and value addition	1	0	0	0	10	20	30	0	0	0	10	20	30
Post-Harvest Technology	5	110	18	128	16	5	21	0	8	8	126	31	157
Others, if any(Water management)	4	70	33	103	10	2	12	5	10	15	85	45	130
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production	1	22	3	25	4	1	5	0	0	0	26	4	30
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													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development	2	40	7	47	6	3	9	0	0	0	46	10	56
Group dynamics	1	22	3	25	4	1	5	0	0	0	26	4	30
Formation and Management of SHGs	2	35	22	57	0	6	6	0	0	0	35	28	63
Mobilization of social capital													
Entrepreneurial development of farmers/youths	1	24	3	27	4	0	4	0	0	0	28	3	31
WTO and IPR issues											0	0	0
Others, if any											0	0	0
XI Agro-forestry											0	0	0
Production technologies	1	20	6	26	3	5	8	0	0	0	23	11	34
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**47**	**876**	**243**	**1119**	**142**	**106**	**248**	**18**	**43**	**61**	**1036**	**392**	**1428**

B) Rural Youth Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	5	15	20	2	0	2	0	0	0	7	15	22
Bee-keeping	1	0	0	0	2	28	30	0	0	0	2	28	30
Integrated farming													
Seed production	2	50	3	53	4	4	8	2	2	4	56	9	65
Production of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	5	106	16	122	10	0	10	6	0	6	122	16	138
Nursery Management of Horticulture crops	1	9	4	13	3	0	3	0	0	0	12	4	16
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													
Enterprise development	2	0	0	0	0	48	48	0	0	0	0	48	48
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	2	10	15	25	3	30	33	3	6	9	16	51	67
Post-Harvest Technology	1	30	10	40	0	0	0	0	5	5	30	15	45
Tailoring and Stitching													
Rural Crafts													
TOTAL	**15**	**210**	**63**	**273**	**24**	**110**	**134**	**11**	**13**	**24**	**245**	**186**	**431**

C) Extension Personnel Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	35	8	43	5	2	7	5	0	5	45	10	55
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	12	8	20	8	6	14	0	6	6	20	20	40
Care and maintenance of farm machinery and implements	1	13	2	15	4	8	12	4	4	8	21	14	35
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													
Production and use of organic inputs	1	15	10	25	2	0	2	0	0	0	17	10	27
Gender mainstreaming through SHGs													
TOTAL	**5**	**75**	**28**	**103**	**19**	**16**	**35**	**9**	**10**	**19**	**103**	**54**	**157**

D) Farmers and farm women Including the sponsored training programmes (off campus)

Thematic Area	No. of	No. of Participants	Grand Total

	Courses	Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	20	5	25	5	0	5	0	0	0	25	5	30
Resource Conservation Technologies	7	126	44	170	0	11	11	15	15	30	141	70	211
Cropping Systems	4	75	25	100	10	6	16	0	6	6	85	37	122
Crop Diversification	4	69	21	90	12	10	22	0	7	7	81	38	119
Integrated Farming	1	0	0	0	0	30	30	0	0	0	0	30	30
Water management	3	48	18	66	11	6	17	0	0	0	59	24	83
Seed production													
Nursery management													
Integrated Crop Management	1	22	3	25	4	1	5	0	0	0	26	4	30
Fodder production													
Production of organic inputs	2	33	13	46	7	7	14	0	0	0	40	20	60
Others, (cultivation of crops)	7	134	39	173	0	12	12	12	15	27	146	66	212
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	6	116	32	148	0	7	7	12	12	24	128	51	179
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	2	42	9	51	5	1	6	0	0	0	47	10	57
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition	2	10	35	45	3	5	8	0	0	0	13	40	53
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	1	20	2	22	4	0	4	0	0	0	24	2	26
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	22	4	26	0	8	8	0	0	0	22	12	34
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	2	42	4	46	13	0	13	2	0	2	57	4	61
Use of Plastics in farming practices	3	49	14	63	12	5	17	0	0	0	61	19	80
Production of small tools and implements	1	15	5	20	10	5	15	0	0	0	25	10	35
Repair and maintenance of farm machinery and implements	6	123	18	141	29	11	40	0	0	0	152	29	181
Small scale processing and value addition	1	25	0	25	10	0	10	0	0	0	35	0	35
Post-Harvest Technology	3	45	14	59	0	5	5	6	7	13	51	26	77
Others, if any water management	5	104	21	125	0	6	6	12	12	24	116	39	155
VII. Plant Protection													
Integrated Pest Management	5	109	15	124	21	0	21	0	0	0	130	15	145

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production	3	45	30	75	0	10	10	5	10	15	50	50	100
Organic manures production	2	41	6	47	9	0	9	0	0	0	50	6	56
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													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development	3	64	8	72	10	2	12	0	2	2	74	12	86

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Group dynamics	4	74	26	100	0	14	14	0	1	1	74	41	115
Formation and Management of SHGs	9	188	32	220	0	8	8	0	35	35	188	75	263
Mobilization of social capital													
Entrepreneurial development of farmers/youths	1	20	5	25	5	0	5	0	0	0	25	5	30
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**90**	**1681**	**448**	**2129**	**180**	**170**	**350**	**64**	**122**	**186**	**1925**	**740**	**2665**

E) RURAL YOUTH Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	1	5	15	20	0	7	7	0	3	3	5	25	30
Production of organic inputs	1	27	2	29	8	0	8	3	0	3	38	2	40
Integrated Farming													
Planting material production													
Vermi-culture	1	32	8	40	5	0	5	0	0	0	37	8	45
Sericulture													
Protected cultivation of vegetable crops	1	15	10	25	5	0	5				20	10	30
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	20	2	22	5	3	8	0	0	0	25	5	30
Nursery Management of Horticulture crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	21	3	24	2	3	5	0	3	3	23	9	32
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													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	**6**	**120**	**40**	**160**	**25**	**13**	**38**	**3**	**6**	**9**	**148**	**59**	**207**

F) Extension Personnel Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	3	70	5	75	14	11	25	0	0	0	84	16	100
Integrated Pest Management													
Integrated Nutrient management	1	25	0	25	4	6	10	0	0	0	29	6	35
Rejuvenation of old orchards													
Protected cultivation technology	3	45	20	65	16	4	20	0	0	0	61	24	85
Formation and Management of SHGs	1	2	0	2	5	10	15	5	0	5	12	10	22
Group Dynamics and farmers organization													
Information networking among farmers	1	8	2	10	20	2	22	0	0	0	28	4	32
Capacity building for ICT application	1	5	15	20	5	0	5	0	0	0	10	15	25
Care and maintenance of farm machinery and implements	3	69	15	84	15	6	21	2	1	3	86	22	108
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													
Production and use of organic inputs	2	20	15	35	3	17	20	0	0	0	23	32	55
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**15**	**244**	**72**	**316**	**82**	**56**	**138**	**7**	**1**	**8**	**333**	**129**	**462**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	42	8	50	9	1	10	0	0	0	51	9	60
Resource Conservation Technologies	12	167	87	254	14	25	39	15	25	40	196	137	333
Cropping Systems	4	75	25	100	10	6	16	0	6	6	85	37	122
Crop Diversification	7	127	35	162	22	16	38	0	7	7	149	58	207
Integrated Farming	1	0	0	0	0	30	30	0	0	0	0	30	30
Water management	3	48	18	66	11	6	17	0	0	0	59	24	83
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	1	22	3	25	4	1	5	0	0	0	26	4	30
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	4	73	13	86	17	7	24	8	0	8	98	20	118
Others, (cultivation of crops)	13	257	71	328	16	28	44	17	20	37	290	119	409
TOTAL	**47**	**811**	**260**	**1071**	**103**	**120**	**223**	**40**	**58**	**98**	**954**	**438**	**1392**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1	20	0	20	7	0	7	0	0	0	27	0	27
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protective cultivation (Green Houses, Shade Net etc.)	7	116	44	160	0	15	15	12	12	24	128	71	199
Others, if any (Cultivation of Vegetable)													
TOTAL	8	136	44	180	7	15	22	12	12	24	155	71	226
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	3	62	15	77	8	6	14	0	0	0	70	21	91
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	62	15	77	8	6	14	0	0	0	70	21	91
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition	2	10	35	45	3	5	8	0	0	0	13	40	53
Others, if any													
TOTAL	**2**	**10**	**35**	**45**	**3**	**5**	**8**	**0**	**0**	**0**	**13**	**40**	**53**
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	1	20	2	22	4	0	4	0	0	0	24	2	26
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	3	63	9	72	5	0	5	0	10	10	68	19	87
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	**4**	**83**	**11**	**94**	**9**	**0**	**9**	**0**	**10**	**10**	**92**	**21**	**113**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2	47	9	56	3	11	14	0	0	0	50	20	70
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL	**2**	**47**	**9**	**56**	**3**	**11**	**14**	**0**	**0**	**0**	**50**	**20**	**70**
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	2	42	4	46	13	0	13	2	0	2	57	4	61
Use of Plastics in farming practices	3	49	14	63	12	5	17	0	0	0	61	19	80
Production of small tools and implements	1	15	5	20	10	5	15	0	0	0	25	10	35
Repair and maintenance of farm machinery and implements	11	244	42	286	42	21	63	0	0	0	286	63	349
Small scale processing and value addition	2	25	0	25	20	20	40	0	0	0	45	20	65
Post-Harvest Technology	8	155	32	187	16	10	26	6	15	21	177	57	234
Others, if any	9	174	54	228	10	8	18	17	22	39	201	84	285
TOTAL	**36**	**704**	**151**	**855**	**123**	**69**	**192**	**25**	**37**	**62**	**852**	**257**	**1109**
VII. Plant Protection													
Integrated Pest Management	5	109	15	124	21	0	21	0	0	0	130	15	145
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**5**	**109**	**15**	**124**	**21**	**0**	**21**	**0**	**0**	**0**	**130**	**15**	**145**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production	4	67	33	100	4	11	15	5	10	15	76	54	130
Organic manures production	2	41	6	47	9	0	9	0	0	0	50	6	56
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													
Others, if any													
TOTAL	**6**	**108**	**39**	**147**	**13**	**11**	**24**	**5**	**10**	**15**	**126**	**60**	**186**
X. Capacity Building and Group Dynamics													
Leadership development	5	104	15	119	16	5	21	0	2	2	120	22	142
Group dynamics	5	96	29	125	4	15	19	0	1	1	100	45	145
Formation and Management of SHGs	11	223	54	277	0	14	14	0	35	35	223	103	326
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	2	44	8	52	9	0	9	0	0	0	53	8	61
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**23**	**467**	**106**	**573**	**29**	**34**	**63**	**0**	**38**	**38**	**496**	**178**	**674**
XI Agro-forestry													
Production technologies	1	20	6	26	3	5	8	0	0	0	23	11	34
Nursery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Farming Systems													
TOTAL	**1**	**20**	**6**	**26**	**3**	**5**	**8**	**0**	**0**	**0**	**23**	**11**	**34**
XII. Others (Pl. specify)													
TOTAL	**137**	**2557**	**691**	**3248**	**322**	**276**	**598**	**82**	**165**	**247**	**2961**	**1132**	**4093**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	5	15	20	2	0	2	0	0	0	7	15	22
Bee-keeping	1	0	0	0	2	28	30	0	0	0	2	28	30
Integrated farming													
Seed production	3	55	18	73	4	11	15	2	5	7	61	34	95
Production of organic inputs	1	27	2	29	8	0	8	3	0	3	38	2	40
Planting material production													
Vermi-culture													
Sericulture	1	32	8	40	5	0	5	0	0	0	37	8	45
Protected cultivation of vegetable crops													
Commercial fruit production	1	15	10	25	5	0	5	0	0	0	20	10	30
Repair and maintenance of farm machinery and implements	6	126	18	144	15	3	18	6	0	6	147	21	168
Nursery Management of Horticulture crops	5	106	16	122	10	0	10	6	0	6	122	16	138
Training and pruning of orchards	1	9	4	13	3	0	3	0	0	0	12	4	16
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Ornamental fisheries													
Para vets													
Para extension workers	2	0	0	0	0	48	48	0	0	0	0	48	48
Composite fish culture	1	21	3	24	2	3	5	0	3	3	23	9	32
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching	2	10	15	25	3	30	33	3	6	9	16	51	67
Rural Crafts	1	30	10	40	0	0	0	0	5	5	30	15	45
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**26**	**436**	**119**	**555**	**59**	**123**	**182**	**20**	**19**	**39**	**515**	**261**	**776**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	5	105	13	118	19	13	32	5	0	5	129	26	155
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	25	0	25	4	6	10	0	0	0	29	6	35
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0

Value addition	3	45	20	65	16	4	20	0	0	0	61	24	85
Protected cultivation technology	1	2	0	2	5	10	15	5	0	5	12	10	22
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	1	8	2	10	20	2	22	0	0	0	28	4	32
Information networking among farmers	1	5	15	20	5	0	5	0	0	0	10	15	25
Capacity building for ICT application	2	37	8	45	12	9	21	0	9	9	49	26	75
Care and maintenance of farm machinery and implements	4	82	17	99	19	14	33	6	5	11	107	36	143
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	2	20	15	35	3	17	20	0	0	0	23	32	55
Production and use of organic inputs	1	15	10	25	2	0	2	0	0	0	17	10	27
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification													
Others if any													
TOTAL	**21**	**344**	**100**	**444**	**105**	**75**	**180**	**16**	**14**	**30**	**465**	**189**	**654**

	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
PF	137	2557	691	3248	322	276	598	82	165	247	2961	1132	4093
RY	26	436	119	555	59	123	182	20	19	39	515	261	776
EF	21	344	100	444	105	75	180	16	14	30	465	189	654
Total	**184**	**3337**	**910**	**4247**	**486**	**474**	**960**	**118**	**198**	**316**	**3941**	**1582**	**5523**

Please furnish the details of training programmes as Annexure in the proforma given below – Attached Annexure I

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of SC/ST			Number of participants (others)			Over all participants
					M	F	Total	M	F	Total	

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermicompost	Vermicompost production	Scientific method of vermicompost production	5	20	5	25	self	1	2	2
Farm mechanization	Farm machinery	Detail knowledge about internal combustion engine	7	20	5	25	self	1	2	1
Bee Keeping	Bee Keeping	Honey bee farming	3	2	28	30	self	1	1	1
Horticulture	Fruit cultivation	Gardener skill	5	17	9	26	self	1	1	1
Mushroom	Mushroom production	Role of Kisan club in production & Oyster mushroom	5	7	15	22	self	1	2	2
Farm	Farm machinery	Service Maintenance and	49	24	2	26	self	1	1	1

machinery		technician farm machinery								
Goat Rearing	Enterprise Development	Goat rearing A profitable business	1	0	23	23	self	1	2	0
Poultry Farming	Enterprise Development	Poultry an income generating enterprise	1	0	25	25	self	1	2	0
Irrigation	Water management	Details about different types of Irrigation pumps	7	33	0	33	self	1	2	1
Vegetable	Vegetable cultivation	IFS model & Vegetable cultivation	5	2	33	35	self	1	2	1
Total			**88**	**125**	**145**	**270**		**10**	**17**	**10**

**Training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client PF/RY /EF	No. of courses	No. of Participants									Sponsoring Agency
							Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Honey production	Entrepreneurship development	Jan 23	1	PF	1	15	10	0	7	7	0	22	17	0	39	ADH, Munger
2	Jaivik Kheti	Organic farming	Mar 23	3	PF	3	150	40	5	45	5	0	195	45	5	245	ADC, Munger
3	Prakritik Kheti	Organic farming	Mar 23	1	PF	1	5	5	15	0	5	10	5	10	25	40	BAIF, NGO Munger
4	Production methods of agril. inputs	Production of Organic inputs & its application	May 23	1	PF	1	20	12	0	12	10	0	32	22	0	54	Sevabharat Munger,
5	Innovative improved agril. technologies	ICT	Jun 23	15	RY	15	20	6	0	7	7	0	27	13	0	40	ATMA, Munger

6	Nutrient managemen t in Agril	INM	23-Jul	1	PF	4	12	6	6	10	6	0	22	12	6	40	ATMA, Munger
7	INM in Agriculture	INM	23-Jul	1	PF	1	20	8	0	12	0	0	32	8	0	40	ATMA, Munger
8	Kharif Maha abhiyan	ALL	July 23	10	PF+ EF	10	195	60	15	57	20	7	252	85	22	359	BAO,DA O & ATMA, Munger
9	Promotion of millet cultivation	Cropping System	Sep 23	1	PF	1	8	8	8	2	0	4	10	8	12	30	Pravah, NGO Munger
10	INM in Agril. through use of liquid fertilizer. Jaivik kheti & its importance.	Production of Organic inputs & its application	Oct 23	1	PF+ EF	1	180	60	5	25	55	0	205	115	5	325	IFFCO,D AO & ATMA, Munger
11	Promotion of millet cultivation & its value addition	Cropping System	Nov 23	3	PF	3	5	40	50	10	20	45	15	60	20	95	ICEC, Munger
12	Rabi Maha abhiyan	ALL	Oct 23	1	PF	9	190	30	10	35	15	0	225	45	10	280	BAO, DAO & ATMA, Munger
Total						**820**	**285**	**114**	**222**	**150**	**66**	**1042**	**440**	**105**	**1587**	**820**	

Area of training	No. of Courses	No. of Participants											
		General			SC			ST			Grand Total		
		M	F	Total	M	F	Total	M	F	Total	M	F	Total
Crop production and management													
Increasing production and productivity of crops	37	639	203	842	96	104	200	15	38	53	750	345	1095
Commercial production of vegetables	8	136	44	180	7	15	22	12	12	24	155	71	226
Production and value addition	1	22	3	25	4	1	5	0	0	0	26	4	30
Fruit Plants	3	62	15	77	8	6	14	0	0	0	70	21	91
Ornamental plants													
Spices crops													
Soil health and fertility management	4	83	11	94	9	0	9	0	10	10	92	21	113
Production of Inputs at site	4	73	13	86	17	7	24	8	0	8	98	20	118
Methods of protective cultivation	5	109	15	124	21	0	21	0	0	0	130	15	145
Other	13	257	71	328	16	28	44	17	20	37	290	119	409
Total	**75**	**1381**	**375**	**1756**	**178**	**161**	**339**	**52**	**80**	**132**	**1611**	**616**	**2227**
Post harvest technology and value addition													
Processing and value addition	2	10	35	45	3	5	8	0	0	0	13	40	53
Other													
Total	**2**	**10**	**35**	**45**	**3**	**5**	**8**	**0**	**0**	**0**	**13**	**40**	**53**
Farm machinery													
Farm machinery, tools and implements	11	195	35	230	67	31	98	2	0	2	264	66	330
Other (Water management & soil water conservation)	17	329	86	415	26	18	44	23	37	60	378	141	519
Total	**28**	**524**	**121**	**645**	**93**	**49**	**142**	**25**	**37**	**62**	**642**	**207**	**849**
Livestock and fisheries													
Livestock production and management													

Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security	2	47	9	56	3	11	14	0	0	0	50	20	70
Economic empowerment of women													
Drudgery reduction of women													
Other	1	20	6	26	3	5	8	0	0	0	23	11	34
Total	**3**	**67**	**15**	**82**	**6**	**16**	**22**	**0**	**0**	**0**	**73**	**31**	**104**
Agricultural Extension													
Capacity Building and Group Dynamics	23	467	106	573	29	34	63	0	38	38	496	178	674
Other	6	108	39	147	13	11	24	5	10	15	126	60	186
Total	**29**	**575**	**145**	**720**	**42**	**45**	**87**	**5**	**48**	**53**	**622**	**238**	**860**
Grant Total	**137**	**2557**	**691**	**3248**	**322**	**276**	**598**	**82**	**165**	**247**	**2961**	**1132**	**4093**

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2023- N/A

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

K. Information on Skill Development Training Programme (other agency if any) if undertaken : BSDM

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
1	Service Maintenance and technician farm machinery	Service Maintenance and technician farm machinery	**392**	**2**	**0**	**0**	**0**	**22**	**2**	**24**	**2**	**26**	

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kisan Mela participated	4	1642	432	2074	88	12	6	2	8	3	1	1648	434	2082	91	13
Field Day	19	722	121	843	68	8	4	0	4	2	0	726	121	847	70	8
Kisan Ghosthi	18	883	172	1055	7	6	2	0	2	2	0	885	172	1057	9	6
Exhibition organized	3	285	35	320	5	1	2	0	2	1	0	287	35	322	6	1
Participation in exhibition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Film Show	6	1020	310	1330	0	0	0	0	0	0	0	1020	310	1330	0	0
Method Demonstrations	16	432	76	508	5	1	2	0	2	2	0	434	76	510	7	1
Farmers Seminar	1	31	10	41	0	0	0	0	0	0	0	31	10	41	0	0
Workshop	1	22	8	30	0	0	0	0	0	0	0	22	8	30	0	0
Group discussion	1	22	10	32	0	0	0	0	0	0	0	22	10	32	0	0

Lectures delivered as resource persons	32	744	65	809	72	6	2	2	4	2	0	746	67	813	74	6
Advisory Services	1	934	676	1610	92	5	5	1	6	1	0	939	677	1616	93	5
Scientific visit to farmers field	36	199	181	380	8	6	6	1	7	2	0	205	182	387	10	6
Farmers visit to KVK	1	1840	493	2333	120	26	8	1	9	2	0	1848	494	2342	122	26
Diagnostic visits	22	95	21	116	4	2	0	0	0	0	0	95	21	116	4	2
Exposure visits	7	353	120	473	6	4	0	0	0	0	0	353	120	473	6	4
Ex-trainees Sammelan	1	22	8	30	0	0	0	0	0	0	0	22	8	30	0	0
Soil health Camp	1	20	10	30	0	0	0	0	0	0	0	20	10	30	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	1	20	6	26	0	0	0	0	0	0	0	20	6	26	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	1	20	5	25	0	0	0	0	0	0	0	20	5	25	0	0
Mahila Mandals Conveners meetings	1	0	25	25	0	0	0	0	0	0	0	0	25	25	0	0
Special day celebration	38	1210	708	1918	67	23	0	0	0	0	0	1210	708	1918	67	23
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	37	7965	1220	9185	12	64	20	6	26	2	0	7985	1226	9211	14	64
Celebration of important date	9	428	105	533	16	4	0	0	0	0	0	428	105	533	16	4
Others Vikshit Bharat Yatra, Mera Mati mera Desh	31	7422	12422	19844	268	75	22	12	34	12	4	7444	12434	19878	280	79
Total	**288**	**26331**	**17239**	**43570**	**838**	**243**	**79**	**25**	**104**	**31**	**5**	**26410**	**17264**	**43674**	**869**	**248**

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	86
Radio talks	6
TV talks	4
Popular articles published	9
Extension Literature	4
Electronic media	2
Any other	0

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Training, Demo unit visit, Processing unit visit, Spawn production Lab visit, Vermicompost unit, ATIC unit visit	6	123	Mushroom, Paddy, Maize

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	24	3	27	2	0	2	26	3	29
International Women's Day (8th Mar.)	0	0	0	0	0	0	0	0	0	0
Ambedkar Jayanti (14th Apr.)	0	0	0	0	0	0	0	0	0	0
World's Veterinary Day (Last week of April)	0	0	0	0	0	0	0	0	0	0
World 'Milk Day	0	0	0	0	0	0	0	0	0	0
International Yoga Day (21st Jun.)	1	11	1	12	0	0	0	11	1	12
Independence Day (15th Aug.)	1	32	6	38	3	0	3	35	6	41
Parthenium Awareness Week	4	122	25	147	3	0	3	125	25	150
Hindi Diwas (14th Sep.)	1	38	4	42	0	0	0	38	4	42

Gandhi Jayanti (2nd Oct.)	2	42	12	54	1	0	1	43	12	55
Mahila Kisan Diwas (15th Oct.)	0	0	0	0	0	0	0	0	0	0
World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	0
Vigilance Awareness Week	0	0	0	0	0	0	0	0	0	0
National Unity Day (31st Oct.)	1	16	2	18	0	0	0	16	2	18
World Science Day (10th Nov.)	1	27	8	35	1	0	1	28	8	36
National Education Day (11th Nov.)	0	0	0	0	0	0	0	0	0	0
Fisheries day (21 Nov)	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26th Nov.)	0	0	0	0	0	0	0	0	0	0
World Soil Day (5th Dec.)	1	49	1	50	5	0	5	54	1	55
Kisan Diwas (23rd Dec.)	0	0	0	0	0	0	0	0	0	0
Any other day (Poshan Mah, Swachhata Pakhwara, Ban Mahotsav	03	536	135	671	5	3	8	541	138	679
Prithivi divas(22.04.2023)	**1**	**25**	**4**	**29**	**2**	**0**	**2**	**27**	**4**	**31**

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM /AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	27.02.2023	Kisan Samman Nidhi Program 2023	Interaction of Hon'ble PM	45	5	1	51
2	18.03.2023	PM Live telecast	Interaction of Hon'ble PM	36	7	0	43
3	30.04.2023	PM Live Telecast of Man Ki Baat 100th episode	Interaction of Hon'ble PM	55	6	2	63
4	30.09.2023	Live Telecast of Sankalp Sapath	Interaction of Hon'ble PM	32	7	1	40
5	15.11.2023	PM Live telecast	Interaction of Hon'ble PM	55	8	4	67
6	09.12.2023	PM live for Vikshit Bharat Yojna 2023	Interaction of Hon'ble PM	28	5	2	35

3.5 a. Production and supply of Technological products

A. Seed production at seed village

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Chickpea	GNG 2299	2.4@11500	27600	37	10	2	25	37
Chickpea	Sabour chana-1	66@11500	759000	110	40	10	60	110
Lentil	IPL-316	388.25@12500	4853125	138	45	13	80	138
Lentil	IPL-220	32.60@125	407500		15	5	25	45
Total			6047225		110	30	190	330

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals							
Oil seed							
Pulse -Pigeonpea	IPA203 B/S	9.8	204820	50	5	40	95
	IPA203 F/S	7.0	105000	30	5	25	60
Green Manure							
Commercial crop							
Vegetables							
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total							

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others (Vine vegetable bottle guard/ smooth gourd)	Hybrid	2100	10500	12	0	22	34
Fruits seedlings							
Mango	Amrapali, Mallika, Langra, Gulab khas,	5208	416640	875	323	1810	3008
Guava	L-49, Allahabad safeda	406	20300	30	10	58	98
Lime	Purvi kagzi	1020	51000	12	33	75	120
Litchi	Sahi,	980	49000	45	15	20	80
Pomegranate	Sriganesh	290	14500	5	15	105	125
Ornamental plants							
Marigold							
Annual chrysanthemum							

Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total		7904	551440				

D. Forest species

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total

E. Fodder crops saplings

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers						
Bio-food(Spirulina etc)						
Bio-pesticide						

Bio-agents (Trichocardetc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine						
Total						

G. Production of livestock & fisheries materials

Particulars of Live stock	**Name of the breed**	**Number**	**Value (Rs.)**	**No. of Farmers benefitted**			
				SC	**ST**	**Other**	**Total**
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							

Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

H. SOIL & WATER TESTING

a. **Details of equipment available in Soil and Water Testing Laboratory**

Sl. No	Name of the Equipment	Qty.	Cost
1	Water Distillation still / Plant	1	48000.00
2	Stabilizer (Automatic voltage stabilizer)	1	4000.00
3.	Refrigerator	1	---
4.	Electrical Balance &	1	77000.00
5.	Accessories		21000.00
6	Physical Balance	1	6500.00
7.	Conductivity Meter CM – 180	1	10170.00
8.	Horizontal shaker	1	25425.00
9.	Willey Mill Grinder	1	25425.00
10	Kheldahi Digestion and Distillation system	1	30510.00
11	Digital P.H. Meter Model L-1, 127	1	10170.00
12.	Spectro photo meter scarring minis pace	1	61000.00

13.	Flame Photometer Madaleu – 361	1	47,460.00
14	Hot Plate (Thermostatic)	1	9040.00
15	Hot Air Oven	1	15259.00
16	STFR	1	86000.00

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	**Through soil testing laboratory**	**Total**
470	-	470

c. Detail of Soil, Water and Plant analysis at KVK (2023)

Sl.	Analysis	No. of Samples analyzed	No. of Villages covered	No. of Farmers benefitted	Amount realized (Rs.)
1.	**Soil**	**470**	**30**	**1506**	**101760.00**
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
1.	3	40	50	0	0	55

I. Activities under Rain Water Harvesting structure and micro irrigation system

S.No	No of training programme conducted	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)
1.	**5**	**1**	**44**	**12**	**1**

3.5. b. Seed Hub Programme - *"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*

1. Name of Seed Hub Centre:

Name of Nodal Officer:	Sri Mukesh Kumar
Address :	Krishi Vigyan Kendra, Munger , Bihar
e-mail :	mungerkvk@gmail.com
Phone No. : Mobile :	96086558459

2. Quality Seed Production of Pulses

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production (estimated) 2023-24	Category of Seed (F/S, C/S)
Kharif 2023	NA					
Rabi 2023	Lentil	IPL-220 2018	600	45	350	C/S
	Lentil	L-4717 2016	200	20	90	C/S
	chickpea	Sabour Chana -01 2020	150	12	70	C/S
	Chickpea	GNG-2299 2019	50	03	20	C/S
		Total	1000	80	530	
Summer/Spring 2023	NA					

3. Financial Progress

Year	Opening Balance (1st April)	Fund Utilized	Fund Earned (by seeds sale)	Interest gained/ Subsidy received if any	Closing Balance (31st March,)	Remarks (if any)
2016-17	-	174282	-	-	2825718	
2017-18	282518	25,47,721	7,68,576	1,40,401	11,86,974	
2018-19	11,86,974	35,88,829	24,13,378	1,36,488	55,48,011	
2019-20	55,48,011	34,51,598	41,50,384	1,95,624	64,42,421	
2020-21	64,42,421	19,87,619	21,87,439	1,46,184	83,88,425	
2021-22	83,88,425	36,29,860	42,24,873	1,73,114	91,56,552	
2022-23	91,56,552	64,24,480	43,32,802	2,20,567	72,85,441	
2023-24	72,85,441	41,96,032	18,45,710	92,215	54,79,505	**Up to 31th December2023**

4. Infrastructure Development

Item	Progress
Seed processing unit	***Completed***
Seed storage structure	***Completed***
Nursery Animal sector	
Mushroom / other enterprises	
Others	

3.6 PUBLICATIONS, HUMAN RESOUSES DEVELOPMENT & AWARDS & RECOGNITION

A. Details of Research papers published by KVK (with full title, author & journal)

S.No	Item	Details of publication bibliographic form	NASS Rating
1	Research paper		

B. Details of Other Publications

Particulars	Details of publication bibliographic form		No of copies published (if any)	No of copies distributed (if any)
Seminar/conference/ symposia papers	"Assessment of different sowing methods of wheat for profitability 5th International conference on climate change and its impact (CCI 2023), p-292	Er. Ashok Kumar, Mukesh Kumar, Dr Vinod Kumar		
	" Assessment of paclobutrazol breaking alternate bearing in Mango cultivation, p-292	Mukesh Kumar , Er. Ashok Kumar, Dr Vinod Kumar		
	" Assessment of different planting distance on yield and economics of rabi maize" ,p-293	Dr Vinod Kumar Mukesh Kumar , Er. Ashok Kumar, S.tyagi, M K singh, S S Yadav ,		
	" Assessment of Integrated nutrient management on productivity & profitability on paddy crop", p-294	Dr Vinod Kumar Mukesh Kumar , Er. Ashok Kumar, S tyagi,		
	"Solar pumpsets: New age innovation in irrigation Systems	Er. Ashok Kumar,		
Books	Mushroom Utpadan swa rojgar ka uttam vikalp		1000	1000
	Madhumakkhi Palan		1000	1000
Book Chapter				
Popular articles	Poshan ke liye santulit Aahar		1000	700

	Gehun Utpadan Ki taknik		1000	800
	Dalhan Beej Utpadan evam Bhandaran		1000	700
success story				
Bulletins	Kisan Samachar		4000	4000
Agro-advisory bulletins				
Extension Folders	Poshan anaj poshan ka khajana		1000	1000
	Prakritik kheti rasayanik Kheti ka ek vikalp		1000	1000
Technical reports	Annual Progress Report, 2023, SAC Meeting Report 2023, Extension Council Report 2023, Monthly Report, Quarterly Report, Flagship report, Swachhata Report			
News letter			575	mass
Electronic Publication (CD/DVD etc)				

C. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel and designation	Name of course/training program attended	Date and Duration	Organizer/Venue
1.	Mukesh Kumar (Senior scientist & Head cum SMS Hort)	6th International Rice congress as Delegate	16.10.2023	BAU, Sabour, At Philippines
2.	Mukesh Kumar(Senior scientist & Head cum SMS Hort)	Learning cum exposure visit for BAU,Sabour	8-16.10.2023	At IRRI, Headquarter Los Banos, Laguna, Philippines
3.	Mukesh Kumar(Senior scientist & Head cum SMS Hort)	Training cum exposure visit to learn about quality potato seed production from Apical rooted cuttings (ARC) and different generation seed multiplication at UHS, Bengaluru and farmers field	26-30.06.2023	International Potato centre at UHS Bengaluru.
4.	Dr Vinod Kumar, SMS Agronomy	12th Advanced course on conservation Agriculture for Asia & North Africa Gateway for sustainable and climate Resilient Agrifood System	09-24.12.2023	By CIMMYT, BISA & ICAR-CSSRI
5.	Dr Vinod Kumar, SMS Agronomy	Service Maintenance and technician – farm machinery	12.10.2023	Skill India, ASCI, India
6.	Dr Vinod Kumar, SMS Agronomy	Precision Agriculture : Farming with new perspectives	15.05.2023 to 13.06.2023	By CSJM University Kanpur & ICAR ATARI Kanpur.

D. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

Type of attachment	No of student trained	No of days stayed
RAWE	18	180

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose

Award received by KVK Scientists

Sl.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority
1.	Excellence of Horticulture Award 2023	Sri Mukesh Kumar	-	5th International conference on climate change and its impact (CCI 2023)	Sher-e-Kashmir University of Agricultural sciences and Technology (SKUAST-K) Sri Nagar, J& K, on 09-11.06.2023
2.	Participants/ Delegate	Sri Mukesh Kumar	-	Krishi Tantra presents ICDA International Conference on Decarbonizing Agriculture	TMA Pai International convention Hall , Mangalore , Karnataka, India on 25-27 11.2023.
3	Participants/ Delegate	Dr. Bishnu Deo Singh	-	International Conference on Decarbonizing Agriculture by Krishi Tantra	TMA Pai International convention Hall , Mangalore , Karnataka, India on 25-27 11.2023.
4	Outstanding Extension Scientist Award 2023	Dr. Bishnu Deo Singh	-	5th International conference on climate change and its impact (CCI 2023)	Sher-e-Kashmir University of Agricultural sciences and Technology (SKUAST-K) Sri Nagar, J& K, on 09-11.06.2023
5.	Best Oral Presentation Award	Dr. Bishnu Deo Singh	-		

6.	Outstanding Achievement award	Dr. Vinod Kumar		Krishi Tantra presents ICDA International Conference on Decarbonizing Agriculture	TMA Pai International convention Hall , Mangalore , Karnataka, India on 25-27 11.2023.
7.	Excellence in Agronomy	Dr. Vinod Kumar		5th International conference on climate change and its impact (CCI 2023)	Sher-e-Kashmir University of Agricultural sciences and Technology (SKUAST-K) Sri Nagar, J& K, on 09-11.06.2023
8.	Outstanding Achievement award	Er. Ashok Kumar		Krishi Tantra presents ICDA International Conference on Decarbonizing Agriculture	TMA Pai International convention Hall , Mangalore , Karnataka, India on 25-27 11.2023.
9.	Best KVK Scientist award	Er. Ashok Kumar		5th International conference on climate change and its impact (CCI 2023)	Sher-e-Kashmir University of Agricultural sciences and Technology (SKUAST-K) Sri Nagar, J& K, on 09-11.06.2023

Award received by Farmers

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
1	Millionaire Farmer Award	Dhananjay Kumar Singh	At-Paharpur, Lohchi, Haveli Kharagpur, Munger	9431418867		-	Best farmer	6-8.12.2023, Krishi Jagran, at IARI, New Delhi
2	Millionaire farmer award	Diwakar Prasad Singh	At- Dadrijala, Sangrampur, Munger	9006529988	987691576943	-	Best farmer	6-8.12.2023, Krishi Jagran, at IARI, New Delhi
3	PPV & FRA award	Satydev Singh	At- Launa, Tarapur, Munger	8825254295	-	1.5 Lakh	Plant genome saviou farmer Rewards,2021-22”	12.09.2023, GOI

3.7. TECHNOLOGY DEVLOPMENT

A. Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent
1.	Processing of vermicompost	Sieving of vermicompost by hanging sieve	Saving of 40-45 % labour cost and 10-12 % drudgery labour for sieving of raw vermicompost	2-5 %
2.	Innovation of low cost & low head drip irrigation	Low headwater bucket is joined with thin microtubes (pepsi pipe) perforated hole at root zone of the plant.	Saving of 60-70% water, 20-30 % energy and 20-40 % increase yield of vegetable/ high valued crops.	2-3 %
3.	Preparation of humic acid for plant growth	Preparation of jaivik PGR (humic acid) by dissolving six month or one year old 5-6 cow dung cake ½ kg curd & ½ kg juggary mixed in a tank and decomposes /fermented for 15 days	Saving of cost of cultivation and achieved jaivik produce.	1-2 %

B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology
1	Ajwayeen (Scorn seed) seeds & pulses	Sowing of ajwayeen, oilseeds by broadcasting method after receding of flood water in 2-7' deep muddy plain area of diara land	To sow crop in time in problematic area in diara land. No any alternative method of sowing is applicable in swampy diara land.	2 % farmers adopted this technology & achieved 10-20 % more income in problematic soil.
2	Sowing of Millets	In cracked soil of diara land sowing of millet, wheat is done by local made manual operated zero till machine	To sow millet in wet plain area after receding flood water	5 % farmers adopted this technology & achieved 10-20 % more income in problematic soil with less cost of cultivation.
3	Sowing of Maize & Wheat	Sowing of maize is done by manually operated bhoka or dibbler & wheat is broadcasted on surface and seed grains are swipped with broom in cracks	To sow maize and wheat in diara lands in problematic soil area after receding of flood water.	5-7 % farmers adopted this technology & achieved 12-15 % more income in problematic soil with less cost of cultivation.

4	Planting of Pointed gourd	The vines of pointed gourd are planted in sandy & hard muddy area of diara landwith the help of manual operated local made rambha (khanti)	To plant pointed gourd vines& other cucurbitaceous vegetables in diara land by rambha (khanti).	30-40 % farmers adopted this technology in problematic soil with less drudgery.
5	Pointed gourds & other cucurbitaceous vegetables	A local kash made tati (wind break)is made in north west side of field in diara land to protect crops from deposition of sand.	To check deposition of sand on leaves of crops and control wind erosion of soil in diara lands	3-5 % farmers adopted this technology in sandy soil of diara land
6	Water source	Split bamboo, m.s. ring, coconut strings rope are used to make low cost casine pipe in diara land to install bamboo boring to achieve shallow depth's ground water to use it for irrigation.	To create water source for irrigation in diara land at low cost.	20-25 % farmers adopted this technology in diara land to irrigate crop with less cost.
7	Bio Control	Spraying of cow dung, urine and cow dung's ash as repleant for insects in crops. Use bio control like panchparni, panch gavya & other to control insect's pests.	To protect crops damage from frost, micro- organism & insects.	10-12 % farmers adopted this technology to control pest eco friendly.
8	Maize	Cut the upper portion of maize crops	To get green fodder for animals &to reduce mature time for cob of rabi maize	10-12 % farmers adopted this technology in maize crop to achieve green fodder .
9	Water lift Method	Use of charsa (one swinging pot /bucket is bonded/tied with string/rope and drawn by two man in two sides of water channel) & lathakuri (don) for irrigation in paddy grown area.	To irrigate paddy & other crops in sloppy & hilly plain area. There is no water source rather than dug well or water pertaining gully.	15-20 % small and marginal farmers adopted this technology to irrigate crops.
10	Cattle Management	Use of bamboo's leaves for cow after delivery of the calf	To expels placenta properly in short time.	10-15 % farmers adopted this technology to expel placenta from cow after issuing calf.
11	Poultry Management	In rural area, use of manually made multi stories poultry house under backyard poultry production.	To construct low cost earthen/mud made multi stories Darwa (poultry house) in rural area.	10-12 % farmers adopted this technology to rare back yard poultry with low cost.
12	Household Security	Earthen made multi opening to put pot and one opening chulha is made in rural area by which fuel is inserted..	To use maximum thermal energy for efficient house work like cooking & parboiling of paddy and curing of turmeric .	5-10 % women farmers adopted this technology to save fuel in parboiling of paddy.

13	All Crops	Use effigy (putla of man) or dead crow body in the field	To protects crop from animal, birds & thieves.	10-15 % farmers adopted this technology to drive away animal birds & other pest for protecting cost.
14	Nursery raising	Use plastic tunnel (rain shelter) to grow nursery	To grow fruit (papaya), vegetables & other crop's nursery in rainy season under poly tunnel	15-20% farmers adopted this technology to grow nursery in rainy and winter season for achieving early vegetables.
15	Straw Storage	Making two span heap structure of house with the help of paddy straw bundles	To storage paddy straw in open area to use as animal fodder.	20-22% farmers adopted this technology to preserve dry feed for cattle.
16.	Nursery raising & crop growing	Spreading of ash over canopy of crops	To control red beetle on cucurbetecious vegetable and others .	15-17 % farmers adopted this technology to control pest in vegetable & in other crops.
17.	Production of worm for production of vermin compost	Uses soil pitcher & rotten cow dung to rear worm and produce vermin wash	To produce warm & vermin wash	15-20 % farmers adopted this technology to control pest in vegetable & in other crops.
18.	Plastic sheet	Covering the fruit bananas' bunch, papayas with polythene	To save it from birds & mature fruits in shortly span	10-12 % farmers adopted this technology to preserve banana bunch
19.	Pitcher irrigation	In diara area and in hilly plain area pitcher is used to irrigate horticulture crops by buried it in rhizosphere & put water in pot & cover it.	To save water from evaporation	15-20 % farmers adopted this technology to survive plants in problematic soil & weather condition.
20.	All crops	Spraying of cow dung & urine as repellant.	To save vegetable from chemical residue effect.	15-22 % farmers adopted this technology to control pest in vegetable & fetch jaivik produce

Give details of by the farmer (if Any)

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1.	**Vegetable**	**17**	**625 quintal**	**22**	**No**
2.	**Pulse (lentil & pigeonpea)**	**28**	**280 quintal**	**47**	**No**

C. Indicate the Specific Training Need Analysis Tools/Methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1.	PRA survey in village.	To diagnose/ evaluate need based training/ technologies for farmers and other agril. allied person. On the basis survey resource based agril. extension activities are designed
2.	Direct Interaction with farmers, Rural youth and extension functionaries in field visit/training / awareness programme	KVK's agril. extension activities are designed on the basis of farmers/ agril. allied persons need.

4. IMPACT

4.1 Impact of KVK activities till now (Not to be restricted for reporting period).

Sl. No.	Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
				Before Rs./Unit)	After (Rs./Unit)
1.	Area expansion under grafted mango orchard	125	14	13100	23400
2.	Seed Treatment with Chemicals & bio agents	1660	8	11100	15380
3.	Cultivation of improved varieties in cereals oilseeds, pulses, vegetables & more fruits.	1730	12	12480	17850
4.	Fruit & Vegetables Preservation	92	9	1400	2000
5.	Water management	210	11	11975	22350
6.	Mechanization	1220	22	29000	44840
7.	Nursery raising in polyhouse	112	9	16460	29200
8.	Land levelling	110	9	8800	12100
9.	Sowing/Transplanting in row	2240	12	14310	22350
10.	DSR	910	9	15000	22000
11.	Fertigation	310	11	11280	16650

12.	PHT	145	9	9210	14370
13.	Natural Farming	65	3	7500	11240

4.2. Cases of large-scale adoption (Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	**Horizontal spread**
Area expansion under grafted mango orchard	Previous year area under grafted mango was 1210 ha which is increased to 1310 ha during 2023
Seed Treatment with Chemicals & bio agents	Previous year about 42 % farmers are following this technology now latest year 2023, 49% farmers are following this technology.
Cultivation of improved varieties in cereals oilseeds, pulses, vegetables & fruits.	30-32% Seed replacement rate was followed by farmer in cereal crops which is enhanced to 37-45% in year 2023.
Fruit & Vegetables Preservation	7% to 8% fruit/ vegetable preservation was accelerated in year 2023
Water management	Water management through innovative surface irrigation & through hi-tech irrigation (drip & sprinkler) is followed by farmer with 8% more than previous year.
Mechanization	Farm mechanization has been enhanced by end users from 24% to 26% during 2023.
Land levelling	Land leveling through laser guided land leveler is adopted by 2-3% farmers.
Climate resilient technology	From 8% to 10% adoption of Climate resilient technology
Natural Farming	From 2-3 % adoption of Natural Farming

4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms		Impact of the technology in objective terms	
	Name of Scientific Technology / Skill Transferred	No. of Trainees	% of adoption	Change in Income (Rs./Unit)	
				Before Training	After Training
1	Cultivation of pulse	115	12	13000	15000
2	Scientific cultivation of okra, brinjal , tomato, Parwal & oal	105	19	125000/ acre	132000/ acre
3	Water management in Field crops	107	17	14000	15500
4	Sowing of wheat by zero till seed cum fertilizer drill machine	905	29	49000	55000
5	Use of DSR	510	20	65000/ha	70000/ha
7	Production of Mushroom	180	17	2000	2400
9	Protected cultivation	35	5	17000	19000
10	Mechanization	305	12	30000	32000
11	PHT management	60	20	40000	44000
12	Natural Farming	430	8	10000	11900
13	Millet cultivation	135	7	22000	25000/ha

4.4. Details of entrepreneurship development

<table>
<tr><td colspan="2">Entrepreneurship development</td></tr>
<tr><td>Name of the enterprise</td><td>Mushroom production</td></tr>
<tr><td>Name & complete address of the entrepreneur</td><td>Smt. Yashoda Devi, At- Tilkari, Block- Tetia Bamber, Munger. Mobile no- 6202529621,</td></tr>
<tr><td>Role of KVK with quantitative data support:</td><td>She has been trained by KVK Munger to produce mushroom since 2013. She has also been taken to BAU, Sabour by KVK'S Scientists for taking training on Mushroom production techniques. She has modified pressure cooker into low cost autoclave to produce spwan of oyster mushroom. KVK's scientists have helped her to modify it and also helped to take mother organism from solan Himachal Pradesh. At present, she has been producing 80 quintal oyster mushroom & 125kg mushroom spawn with help of 8 local women groups annually.</td></tr>
<tr><td>Timeline of the entrepreneurship development</td><td>She was completely unaware about mushroom. After taking training & exposure visit, she knew completely about importance & source of self employment giver mushroom production. She has started mushroom production with twenty bags only. After that she had started increasing order. She has been enlarging mushroom production with employing other near by rural women in this activity.
The details of entrepreneur of mushroom production are below.

<table>
<tr><th>Year</th><th>Capacity Mushroom growing</th><th>employment</th><th>Net income pre annum (Rs)</th></tr>
<tr><td>2021</td><td>3000-3500</td><td>Self</td><td>3,10,000</td></tr>
<tr><td>2022</td><td>3500-4000</td><td>Self + 1 labourer</td><td>3,25,000</td></tr>
<tr><td>2023</td><td>4000-5000</td><td>Self + 2 labourer</td><td>3,50,000</td></tr>
</table>

Beside this she has engaged more than 800 rural human by constitute big self help group.</td></tr>
<tr><td>Technical Components of the Enterprise</td><td>Different types of agril. Machineries like zero tillage, self propelled reaper, autoclave, chaff cutter, ppbag, sprayer, mushroom hut.</td></tr>
<tr><td>Status of entrepreneur before and after the enterprise</td><td>She was a house wife and no earning. She had started with twenty bags with returns only Rs 3000 per annum. At present she is giving four rural women employment & producing 80 quintal mushroom 120 kg spawn annually. Beside this she has also been engaging more than eight hundred rural women in this occupation by constituting SHGs</td></tr>
<tr><td>Present working condition of enterprise in terms of</td><td>At present she has been producing 80 Quintal oyster mushroom & 120kg spwan. She has sold her product in local market & in district head quarter. She dries in solar dryer & in other dryer to preserve it in form of mushroom dust. She has also</td></tr>
</table>

raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	consumed it or by adding value in it and prepared products like pickle, pokara & other food. The economical feasibility of this technology is very good for employment generation for rural women by investing low capital. Samosa of Mushroom fetched international glory for Indian dish .
Horizontal spread of enterprise	Slightly increasing upward which was sown in above year wise of mushroom bags.

4.5. Success stories/Case studies, if any (two- or three-pages write-up on 1-2 best case(s) with suitable action photographs)

Name of farmer	Smt. Ranju Prakash W/0 Sri Jaiprakash
Address & Contact details (Phone, mobile, email Id)	Mahadevpur, I.B.Road, Habeli Kharagpur Mobile No- 8862849485 Email- ranju @sevabharat.org
Assets (Landholding (in ha.)/Livestock)	1760 Sq.ft(80ft X 22 ft)
Name and description of the farm/ enterprise	Started terrace farming since 2020 in 10 fish carrying thermocol basket (24inch*12 inch* 12inch). Initially she started flower cultivation but after seeing the good growth and quality of flower she decided to cultivate vegetable in 150 fish carrying thermocol basket. At present, she is growing fresh vine vegetables in thermocol box under terrace vegetable cultivation. At Present she is earning net Rs 10000 quaterly by growing one vegetable in 150 fish boxes under terrace vegetable cultivation.
Achievement of the farmers	By growing vegetables in thermocol fish basket, she is getting organic vegetable for self and also sold vegetable to other people at her house. By growing vegetable she is earning money as well as fame in her society. When we analyzed the cost benefit of her intervention as below: Area of one box- 2cft, Having 150 box, Volume of 150 box-300cft Requirement of vermicompost for 150 box (1:1 soil and vermicompost ratio)-150 cft , 1cft requied 10kg of vermicompost,150 box -1500kg vermicompost, 6 seedling required for one box ,150 box- 900 seedling, Cost of one seedling-Rs.10/,Cost of 900 seedling- Rs.9000 Cost of 1500kg vermicompost –Rs. 15000,Misc. cost –Rs.5000 , Total cost – Rs. 26000 One plant yield – 1kg@Rs 40 = 40, 900 plant -900kg@40= 36000 Net benefit = Rs.36000-Rs. 26000 = Rs. 10000

KVK intervention (planning & Implementation)	KVK intervene in her intervention by modifying her intervention through adding vermicompost instead of purely soil in basket. Before KVK intervene she was growing vegetables by using only soil in the basket. Further she will be motivated to grow it in mixture of vermicompost / vermiculite/ azolite/cocopit as root media followed by drip fertigation.
Impact (Economic/ Social/Environmental)	She get organic vegetable from the rooftop and also earning 10,000 in each season. Other women of the society of following this rooftop vegetable cultivation. Society also benefitted by getting organic vegetable at their house. She protects environment from becoming hot and chemical use in vegetable cultivation. She is utilizing terrace for greenery.
Outcome (Horizontal/ Vertical spread)	She & her society getting organic vegetable along with earning money. Its intervention is growing slowly in horizontal mode. But it will be proved beneficial, eco friendly and urgent need of in modern living style of people.

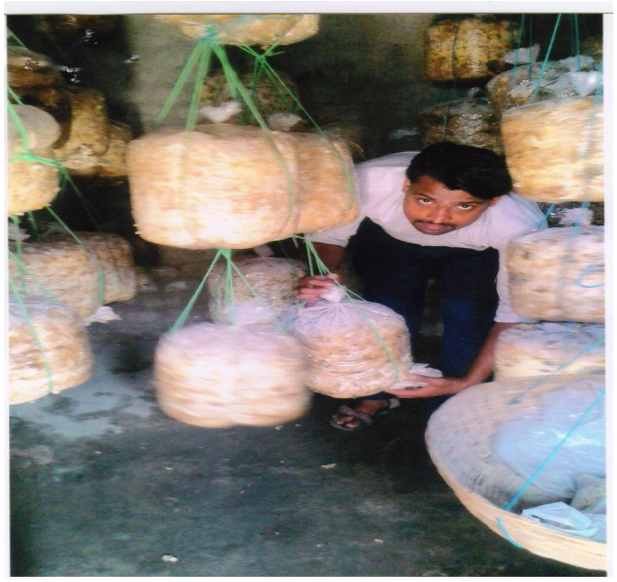
Name of farmer	Sri Sanjeev Kumar, S/o Sri Dinesh Mandal 
Address & Contact details (Phone, mobile, email Id)	At Ramchandrapur , PO –Jamalpur, Block –Jamalpur District-Munger Ph-06206878393
Assets (Landholding (in	0.4 ha

ha.)/Livestock)	
Name and description of the farm/ enterprise	Sri Sanjeev Kumar is a success entrepreneur of mushroom production. Initial stage, he decided to generate self employment after taking graduation degree. He has attempted to start several business and manufacturing local need articles. But he had not get success. He had become frustrated. Now what shall I do for bearing family's responsibility? At last he had contacted with KVK's scientist. He was motivated by KVK's scientist to produce nutrient rich mushroom. After taking training, he has developed confidence, self determination to start mushroom production with low input cost. KVK , Munger has given him the idea about selling the mushroom through venders and also through advertisement. Now he is fully satisfied with mushroom cultivation. His wilted face groomed with smile. He has also been producing spawn for two years with the help of KVK,Munger. Now a days he is also working at KVK,Munger and growing mushroom . He also engaged in spawn production at KVK, Munger & providing it to district's Mushroom growers.

Economic of the farm:

Crop/ Live Stock/ Fish/ Enterprise	**Area(acre) No.**	**Cost of Production (Rs. Per annum)**	**Return (Rs. Per unit annum)**	**Net Income (Rs. Per annum)**
Mushroom(2017)	100 Bag	2500	7000	4500
Mushroom(2018)	200 Bag	5000	14000	9000
Mushroom(2019)	400 Bag	10000	28000	18000
Mushroom(2020)	1000 Bag	25000	150000	125000
Mushroom(2021)	1400 Bag	35000	210000	175000
Mushroom(2022)	1800 bag + 75 Kg Spawn	57000	247500	190500
Mushroom(2023)	3000 bag + 150 Kg Spawn	90000	465000	375000

Achievement of the farmers	He has been producing different varieties of mushroom along with mushroom spawn for five years. He is a young energetic, devoted, diligent and innovative leading mushroom grower entrepreneur. He has been producing quality mushroom & its spawn in scientific manner with the help of modern infrastructure. He has also been selling mushroom & spawn in local & in districts' mushroom growers. He has also been training neighboring mushroom growers. He has also been earning net income 3,75,000/= per annum by adopting this entrepreneurship.
KVK intervention (planning & Implementation)	The scientists of KVK have interacted him to grow button mushroom & other variety of mushroom. They have also motivated him to install modern autoclave, media & mother material to provide quality spawn & mushroom. His future plant to produce export oriented quality based mushroom's product like mushroom powder, dry products & others.
Impact (Economic/ Social/Environmental)	Previously he was unemployed. After adopting mushroom production he became a successful mushroom grower and earning income. His social status became higher than previous. All neighboring people see him with respect & try to learn and earn with him. Now he has been maintaining his family respectfully. He proved as role model for other rural youths. He has been providing mushroom with crop residue (Husk, Straw, sticks & others) to other mushroom grower. After production of mushroom crop residue is used as farm yard manure to enhance the fertility & physical conditions of soil. Thus it saves soil, water, air, plants from pollution. It is not burnt and m mushroom bag's crop residue is used as F.Y.M.
Outcome (Horizontal/ Vertical spread)	His entrepreneurship is developing slightly with 40-60% production and 40-70%. annual income growth He has enhanced adoption of this entrepreneurship horizontally. He has also trained 567 rural youth/ farmers during three years. He has become torch shower in his locality to grow mushroom.

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4.6. Any other initiative taken by the KVK

1. Natural farming has been initiated through training & FLD
2. Land leveling by laser guided land leveler under land leveling abhiyan 2023
3. Extension of innovative agril. technologies has been started through video conferencing, audio visual & other multimedia means like facebook, whats app, youtube & SD cards.
4. Farmers advisory & other technical assistance for other agril. allied persons has started.
5. Precisly spraying of water soluble nutrients, weedicided, pesticides with the help of drone.

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1	DAO, MUNGER	Training, mechanization farm, Rabi, Kharif mahotsav
2	JDA,MUNGER	Kisan gosthi & workshop
3	DDM NABARD	Training & Kisan gosthi
4	ITC,MUNGER	Training, field visit & Demonstration
5	DFO, Munger	Training
6	Asst. Director Soil Conservation	Training & Demonstration
7	ATMA, MUNGER	Training & field visit, exhibition, scientist farmers meet, SREP preparation
8	BAIF, MUNGER	Training & field visit
9	Asst. DIRECTOR PLANT PROTECTION, MUNGER	Training & field visit
10	Asst. DIRECTOR Horticulture	Training & field visit
11	Asst. DIRECTOR Agril. Engg.	Training & field visit
12	Jeevika,Munger	Training & field visit

5.2. Details of Externally funded project & Programmes during 2023 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided) –N/A

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

6. PERFORMANCE INDICATORS

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermin-compost production unit	2016	300	Esinia foetida	Vermin-compost	275q	25850	166776	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Jeeva amrit, Beeja Amrit, Ghana Amrit	500	3000	5000	

6.4. Performance of Instructional Farm (livestock and fisheries production) -N/A

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

6.5. Performance of Automatic Weather Station in KVK – N/A

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

6.6. Utilization of hostel facilities

Accommodation available (No. of beds) -29

Months	**No. of trainees stayed**	**Trainee days (days stayed)**	**Reason for short fall (if any)**
6	18 for 120 days	2160	
Total :	18 for 120 days	2160	

(For whole of the year)

6.7 Utilization of staff quarters

Occupancy details: C- type

Months	Q I	QII	Q III	QIV	Q V	QVI	Q VII
	Block1				Block2		
January 2023 To December 2023	Sri Mukesh Kumar, Senior scientist & Head	Dr.Vinod Kumar, SMS Agron., KVK, Munger	Sri Prem Chandra Maurya, Programme Assist. Computer	Vacant on April 2021	Er. Ashok Kumar SMS Agril. Engg.	Dr. Bishnu Deo Singh, SMS Agril. Extension Education July 2023	Sri Prahalad Kumar, Programme Assist. Lab

Occupancy details: D- type

Months	Q I	QII	Q III	QIV
January 2023 To December 2023	Dharmendra Kumar, Stenographer, KVK, Munger	Jitendra Kumar,Driver, KVK, Munger	Sanjeev Kumar Singh ,Driver, KVK, Munger	Vacant

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving	UCO Bank, Munger	Bekapur,Munger	04280200020074

7.2. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

7.3. Utilization of funds under CFLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2022
	Kharif	Rabi	Kharif	Rabi	

7.4 Utilization of KVK funds during the year 2023 (Not audited)

KRISHI VIKGYAN KENDRA, MUNGER

Statement of Expenditure Report 2023-24 up to 31.12.2023

Sl.	Head	Sanctioned	Receipt	EXPENDITURE	CLOSING
A	**Pay & Allowance**	12,172,200	8,681,100	12,623,375	(2,885,715)
	Opening Balance		1,056,560		
B	**Contingency**	**1,260,000.00**	**1,805,900.00**	**1,108,146.00**	**697,754.00**
	Opening Balance		**86.00**		
1	T.A.	90,000.00	90,000.00	55,700.00	34,300.00
2	H.R.D.	30,000.00	30,000.00	-	30,000.00
3	ST/POL	400,000.00	400,000.00	387,471.00	12,529.00
3 (A)	ST/POL (Contractual outsource)	-	735,900.00	-	-
4	Training of Farmers	740,000.00		78,800.00	296,163.00
5	Training materials			135,356.00	

6	Training of Extension functionaries			-	
7	Training of Rural Youth			36,900.00	
8	FLD			57,310.00	
9	OFT			64,684.00	
10	Soil & Water Testing Lab			-	
11	Maintenance of building			40,000.00	
12	Extension activities/Exh./Kisan Mela			26,687.00	
13	SCSP General	550,000.00	550,000.00	225,238.00	324,762.00
14	SCSP Capital	120,000.00	32,000.00	-	32,000.00
	TOTAL -	**14,102,200.00**	**11,069,000.00**	**13,956,759.00**	**(1,831,199.00)**
Non Recurring					
1	Natural Farming Project	800,200.00	167,693.00	143,262.00	24,431.00
2	Millet Value Chain	950,000.00	950,000.00	143,344.00	806,656.00
3	CFLD Oilseed			**297,368.00**	**(297,368.00)**
	Linseed	100,000.00	-	57,892.00	42,108.00
	Mustard	360,000.00	-	239,476.00	120,524.00
4	CFLD Pulses			**86,175.00**	**(86,175.00)**
	Arhar	-		-	-
	Chick Pea	-		-	-
	Lentil	180,000.00		86,175.00	93,825.00
5	CFLD T.Agent Honorarium	70,000.00		18,000.00	52,000.00

7.5. Status of Revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2021	1557999.76	1348393.00	1277665.98	1628726.78
2022	1628726.78	1750045.00	1167820.82	2210950.96
2023	2210950.96	3713844	2720941	3203853.96

7.6

(i) Number of SHGs formed by KVKs - 02

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities.-

FLD of CRA Project, Training and awareness program, advise

(iii) Details of marketing channels created for the SHGs

The member of different SHGs have been linked with NABARD, Gramin Bank and other nationalized bank by opening account number of SHGs. NABARD has given financial support to different new and previous existing SHGs. They have produced products and sold it to ATMA, office or other local whole seller shop. They were registered in ATMA.They have been linked to self produce in different distance market by ATMA, Munger. The scientist of KVK have co-operated SHGs as above mentioned work. They have also bridge them to above institutions to create channel for achieving technical knowledge related to production.

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Season	With line department	With ATMA	Both
Training	Rabi 2023	ADPP,Munger	-	-
Kharif & rabi Mahotsav	Kharif & rabi 2023	DAO	ATMA	Both
Training	Kharif & rabi 2023	-	ATMA	-
Training & Field visit	Kharif & rabi 2023	DAO,Munger	-	-
Training, Field visit & Development of demonstration unit	Kharif & rabi 2023	ITC,Munger , Pravah, Munger	-	-
Training	Kharif & rabi 2023	BAO,Munger & other blocks	ATMA	Both
Training & Work shop	Kharif & rabi 2023	DAO,Munger	ATMA	Both
Workshop	Kharif & rabi 2023	JDA,Munger	-	-
Training	2023	UCO RSETI, Munger	ATMA	Both
Refinement of Technology	2023	ATMA	-	ATMA
Training	2023	AD Aril Engg. & soil conservation		

7.8 Revenue generation-N/A

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.			
2.			
3.			

7.9 Resource Generation-

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	SC- SP Programme	Mushroom Production(Hut) & Demonstration	SC- SP Programme Capital head	**50000**	**Mushroom Hut**

8. MISCELLANEOUS INFORMATION

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
Wilt	Lentil & chickpea	15.10.2023	380	8	Seed treatment & foliar application of fungicides 380 ha

8.2. Prevalent diseases in Livestock/Fishery –N/A

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)

8.3. Nehru Yuva Kendra (NYK) Training –N/A

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	Male	Female	

8.4. PPV & FR Sensitization training Programme- N/A

Date of vaccination programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

8.5. KVK Portal and Mobile App –N/A

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

8.6 Details of KVK Portal

No. of Events added by KVK	No. of Facilities added by KVK	No. of filled Report on Package of Practices				No. of filled Profile Report							
		Crop	Horticulture	Livestock	Fisheries	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish
1652	5	2	1	0	0	1	1	1	1	0	0	0	0

8.7 Kisan Mobile Advisory Services/KMAS (m-Kisan Portal/National Farmers Portal/ SMS Portal)-N/A

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop				
2.	Livestock				
3.	Weather				
4.	Marketing				
5.	Awareness				
6.	Enterprises				
7.	Others				
8.	Total				

8.5 Kisan Sarathi

Name of KVK	No. of Farmers Registered on Portal
KVK Munger	6195

8.6. a. Observation of Swachhta hi Sewa (2nd-31st Oct 2023)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
2.10.2023 to 31.10.2023	8	7	285	6	298

b. Observation of SwachtaPakhwada (15 Dec -31st Dec 2023)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15.12.2023 to 31.12.2023	10	12	4084	15	4111

c. Details of quarterly budget expenditure on Swachh activities including SAP

S.No	Activities	No of village covered	Total Expenditure (Rs.in Lakhs)
1.	Vermicomposting	**2**	**0.0**
2.	Other than vermicomposting activities under Swachata		

8.7. Details of '*Pre-Rabi Campaign*' Programme –N/A

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

8.8 .Vikisit Viksit Bharat Sanklap Yatra (LLB and ULB)

Sl.	No of events attended	No. of Gram Panchayat covered	Total no. of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
1	107	107	19875	112

8.9. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Munger	Cropping system, Water management and vegetable cultivation	06	285	Life saving irrigation for standing crop . Sowing of short duration vegetable or paddy in drought area. In draught situation millets & short duration vegetables / paddy are recommended to cultivate.

9. Information on Visit of Ministers to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
06.01.2023	Shri Kailash Chowdhury	Minister of State for Agriculture and Farmers Welfare	817 farmers participated in Natural Farming programme.

10. List of other visitors (MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
27.07.2023	. Shri Pranav Kumar ,Hon'ble MLA, Munger	PM Kisan Live Telecast

11. PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project)

11.1. Details of Cereal Systems Initiative for South Asia (CSISA)-N/A

- Year:
- Introduction / General Information:

Trial Name	Area covered	Variety name	Duration	Method of planting	Sowing	Grain Yield	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR
Kharif										
Rabi										

11.2 Details of Tribal Sub Plan (TSP) –N/A

a. Achievements of physical output under TSP

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries

5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)		

b. Fund received under TSP in 2023-24 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2023: N/A

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2023

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	10	51
b.	Women	10	308
c.	Rural Youths	0	0
d.	Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
		0	0
3)	FLD	No. of FLDs	No. of beneficiaries
		7	359
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		44	44
5)	Other activities		
a.	Participants in extension activities (No.)	4	
b.	Production of seed (q)	26.5	
c.	Production of Planting material (No. in lakh)	0.24000	
d.	Production of Livestock strains (No. in lakh)	0	
e.	Production of fingerlings (No. in lakh)	0	
f.	Testing of Soil, water, plant, manures samples (Nos.)	0	

11.4. NICRA (Technology Demonstration component) –N/A

a. Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

b. Crop Management / Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

c. Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

d. Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

e. Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T

f. Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T

11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)- N/A

S.No	No. of blocks allocated	Name of blocks	No. of FPOs registered	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	No. of FPOs doing business

Number of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

S.No	Name of the FPO	Registration No and Date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI) –N/A

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	**No. of farmers/ beneficiaries**
FLD		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		

c. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.		Backyard/Kitchen Garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			

TOTAL			

d. Details of Bio-fortified crops used in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi-ciaries

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

h. Details of recipe contest (if applicable)

No of events organised	Name of location/village	No. of participants
1		
2		
3		

11.7Attracting and Retaining Youth in Agriculture (ARYA) –N/A

Name of enterprises	**No. of entrepreneurial units established**	**No. of Training programs organized**	**No. of rural youth trained**		**No. of youth established units**		**Total entrepreneurial units formed**	**Total entrepreneurial units Functional**
			Male	**Female**	**Male**	**Female**		

11.8 Out-scaling of Natural Farming

a. Overall achievements : All target achieved

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme	40	12542
2.	Training programme	4	128
3.	Demonstrations	12+1	12+1

b. Details of Training programmes

S.No	Name of training programme	Date	Location/Venue	No. of beneficiaries
1	Methods of inputs preparation of natural farming	29/08/2023	KVK Munger	32
2	Methods of Jeevmrit ,bijamrit, ghanamrit for natural farming	27/09/23	KVK Munger	25
3	Methods of input preparation in paddy crop	7/10/2023	KVK Munger	30
4	Methods of Input of Jivamrit, Ghanamrit, Bijamrit	4/12/23 to 5/12/23	KVK Munger	41

c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries
1	Training	12/4/2023	Launa Parsa, Tarapur	305
2	Training	15/04/2023	Parsando, Haveli kharagpur	44
3	Training	27/04/23	Amari	33
4	Training	10/5/2023	Pachrukhi	93
5	Training	11/5/2023	Dashrathi	180
6	Training	12/5/2023	Gadhirampur	153
7	Training	1/6/2023	Bariyarpur	71
8	Training	3/6/2023	KVK Munger	85
9	Training	5/6/2023	Tetia Bambar	135
10	Training	6/6/2023	Tarapur	70
11	Training	7/6/2023	Asarganj	75
12	Training	7/7/2023	Mamai, Asarganj	33
13	Training	18/07/2023	KVK Munger	105
14	Training	27/07/2023	KVK Munger	130
15	Training	16/08/2023	KVK Munger	300
16	Training	21/08/2023	Hardiyabad , Munger	36
17	Training	1/9/2023	Matadeeh, Jamalpur	210
18	Training	2/9/2023	Pachrukhi, BAriyarpur	180

19	Training	17-18/09/2023	KVK Motihari, State level workshop on natural farming	4
20	Training	30/092023	KVK Munger	40
21	Training	4/10/2023	KVK Munger	67
22	Training	7/10/2023	Purshottampur	55
23	Training	19/10/2023	E-Kisan bhawan safiabad	55
24	Training	25/10/2023	E-Kisan bhawan safiabad Dharhara	43
25	Training	30/10/2023	Tetia bamabar	115
26	Training	30-10-23	Sangrampur	123
27	Training	1/11/2023	Tarapur	135
28	Training	2/11/2023	Asarganj	144
29	Training	2/12/2023	Srimatpur	57
30	Training	3/12/23 to 31/12/23	Nauagrhi, May, Katariya,Mirzapur, Tarapur Diyara, Bank, Jankinagar, Itahari, Patam, Ramanagar, Hemjapur, Itwa, Dharhara,Amari	9875

d. Details of Demonstrations

S.No	Name of Crop	Location of Demo.	Area of Demo.
1	Akshay Kumar	Launa, Tarapur	1 acre
2	Rajendra Kumar Singh	Parsando,Haveli Kharagpur	1 acre
3	Varun Kumar Singh	Badi Korian, Masoomganj,Asarganj	1 acre
4	Mritunjay Kumar Roy	Parsando,Haveli Kharagpur	1 acre
5	Jitendra Kumar Roy	Parsando,Haveli Kharagpur	1 acre
6	Medo Prasad Yadav	Varuna, Bangalwa,Dharhara	1 acre
7	Indra Dev Kora	Goraiya,Azimganj,Dharhara	1 acre
8	Dhananjay Kumar Singh	Pharrpur,Haveli kharagpur	1 acre
9	Jaya Devi	Shradhi,Bangalwa,Dharhara	1 acre
10	Rinku Devi	Varuna, Bangalwa,Dharhara	1 acre
11.	Ambika Tanti	Launa, Tarapur	1 acre
12	Niranjan Dingh	Parsando,Haveli Kharagpur	1 acre
13	KVK Munger	KVK Munger	0.5 acre

11.9 District Agro Meteorological Unit (DAMU) –N/A

S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication

11.10 KSHAMTA –N/A

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

11.11 Agri-Drone- N/A

S.No	Name on the project implementation center (PIC)	No. of kisan drones sanctioned	No. of kisan drones purchased by the PIC	Procurement of no of drones in process	Area covered under the kisan drone demonstration (ha)	No. of demonstration conducted	No. of Pilot training proposed	No. of Pilot training conducted

11.12 Integrated Farming System (IFS)

ESTIMATE OF EXPENDITURE

A. NON RECURRING

Sl. No.	Particulars	(Rs. In lakh.)
1.	Cultivation of crops in 0.75 acre of land	0.60
2.	Vermi- Compost 04 pit @(10x3x2.5 ft.) with shed	0.60
3.	Making arrangement for water	1.00
4.	Construction of dairy units (20x15 ft.)	2.00
5.	Construction of goat shed	1.60
6.	Purchasing of Equipments / Utensils / Vehicles	0.25
Total		**6.05**

B. RECCURING

Sl. No.	Particulars	(Rs. in lakh.)
1.	Purchasing of 2 cow @ 60000 per cow	1.20
2.	Purchasing of 24 kg earth worms @ 250 per kg	0.06
3.	Purchasing of feeds for cattle	0.40
4.	Purchase of feed for goat	0.30

5.	Purchasing of drugs and Vaccines	0.10
6.	Operating cost (one worker @ 7000) for 12 months	0.84
6.	Miscellaneous cost and other unforeseen expenditure	0.25
Total		**3.15**

Grand total =A + B = 6.05+ 3.15= **9.20 lakh(Rupees nine lakh twenty thousand only)**

COMPONENTS

1. A cropping farm of 0.75 acre size
2. A dairy unit
3. A goatry unit
4. Vermi-compost unit of 4 beds.

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Cropping Farm	0.4	Arhar +Maize				
2	Vermi compost	0.1		15500	72500	4	-

b. Activities under IFS

Sl. No.	Component Name	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1.	Vermicompost	1	90 sq. feet	2	4	0	60
2.	Arhar		0.4	0	0	0	0
3.	Maize		0.1	0	0	0	0

11.13 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service- N/A

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I					
II					
Total					

11.14 Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

12 **Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year (best 10)**

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