ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS(FLD) 2023

A. Overall achievements of FLDs conducted during the year 2023

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% Change in yield	B.C ratio
					Demons ration	Check		
Papaya(Red Lady)	Production management	Plant	15	1.0	2100	1600	31.25	6.15
Wheat (Bio fortified)	Crop Production	BHU 31	5	2	36.25	41.2	-12.01	2.34
		BHU 25	5	2	34.22	41.2	-16.94	2.25
Paddy	INM	Sabour Heera (Azolla +BGA)	10	4	66.58	65.52	1.62	2.85
Lentil/Bio-fertilizers	INM	IPL 220/ Rhizo + PSB	10	04	11.85	10.25	15.61	2.6
Ragi	Crop Production	VLR 326	20	8	16.28	--	--	2.05
Sawa	Crop Production	DHBM-93-3	10	4	13.36	--	--	2.02
Worms	Vermicomposting	Eisenia fetida	30	30	16 q/y	--	--	
Liquid fertilizer (Wheat)	INM (HD 2967)	Nano urea, Nano DAP	10	4	36.45	31.22	16.75	2.45
Cauliflower (Sabour Agrim)	Production management	Seed	20	1.0	216	176	22.73	3.18
Brinjal (Sabour Sadabahar)	Production management	Seed	10	1.0	205	148	38.51	3.76
Poultry	Livestock (90 days)	Chicks (Sonali)	40	-	1.3 kg	0.9 kg	44.44	5.0
Fish	Improved species	Jayanti Rohu	04	1.0	0.97 kg	0.85 Kg	14.12	3.16
Fish	Improved species	Improved Catla	02	0.5	1.11 Kg	0.95 kg	16.84	3.29

B. Details of FLDs conducted during the year 2023

1. Cereals

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
Wheat	Crop Production	Biofortified BHU-25	5	2	34.22	31.22	9.61	39250	72,718	33468	1.85	38800	66343	27543	1.71
Paddy	INM	Sabour Heera (Azolla+BGA)	10	4	66.58	65.52	1.62	44500	145,344	100844	3.27	45250	143030	97780	3.16
Finger Millet (Ragi)	Crop Production	VLR 326	20	8	16.28	--	--	32400	62,613	30213	1.93	-	-	-	-
Liquid fertilizer (Wheat)	INM (HD 2967)	Nano urea, Nano DAP	10	4	36.45	31.22	16.75	38800	77,456	38656	2	39200	66343	27143	1.69
Total															

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
Lentil/Biofertilizer	INM	IPL 220/ Rhizo+PSB	10	04	11.85	10.25	15.61	28400	76136	47736	2.68	27900	65856	37956	2.36

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	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

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
Cauliflower	Prod. Mgmt. tech.	Sabour Agrim	20	0.4	216	176	22.73	78000	248000	170000	3.18	67500	186000	118500	2.75
Brinjal	Crop production	S. Sadabahar	20	0.4	205	148	38.51	75000	282000	207000	3.76	73000	238000	168000	3.26
Papaya	Prod. Mgmt. tech.	Red Lady	40	0.4	2100	1600	31.25	155000	948000	793000	6.15	144000	654000	510000	4.54
	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	Name of the technology demonstrated	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
		Total															

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)										

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
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										

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
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	Livestock (90 days)	Variety(Chicks (Sonali)	40	40	1.3 kg	0.9 kg	44.44	-	-	160	675	515	4.22	95	216	121	2.27
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)	Improved species	Jayanti Rohu	04	1.0	0.97 kg	0.85 Kg	14.12	-	-	270000	952400	682400	3.53	265000	824600	559600	3.11
	Improved species	Improved Catla	02	0.5	1.11 Kg	0.95 kg	16.84	-	-	270000	1068000	803000	3.96	265000	851200	586200	3.21
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			
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development	15	150	1.25	-											
Button mushroom	Enterprise development	40	80	1.5	-											
Vermicompost	Vermi composting	30	30													
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