

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration										Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total				
						M	F	M	F	M	F	M	F	T		
1.	Ragi	ICM	Line transplanting with RDF(60:30:30)	10.0	7.0	2	1	12	3	6	1	20	5	25		
2.	Rice	Weed Mgt.	Pre emergence application of Pretilachlor 50 EC @ 1500 ml/ha, fbPenoxulam 1.02 % + Cyhalofop butyl 5.1 % OD @ 2250 ml/ha @ 25 DAT	2.0	2.0	1	0	6	0	3	0	10	0	10		
3.	Maize	IPM	Application of Azadirachtin 1500 ppm @ 5ml/l, release 20000 T. chilonisparasite at 4-5 days and weekly interval and need base application of Emamectin Benzoate 5 % SG @ 0.4 gm/l.	2.0	2.0	0	1	2	4	0	3	2	8	10		
4.	Rice	INM	STBF + Basal application of ZnSO4 (21% Zn) @25kg/ha + Foliar application of B (20%) @ 1.5g/ltr at flowering stage	2.0	2.0	0	0	1	5	1	3	2	8	10		
5	Ragi	INM	100 % RDF (60:20:20) + application of bio-fertilizers (azospirillum@2lt./ha +PSB @2lt/ha) incubated with 100kg FYM for seven days	2.0	2.0	0	0	3	7	0	0	3	7	10		

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

[illegible]

Oilseeds:

Frontline demonstrations on oilseed crops

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
Groundnut	INM	STBFR + foliar application of combined nutrient spray at 30 & 45 DAS (dissolved 2.5 kg DAP, 1kg ammonium sulphate& 500g borax in 35-40ltr of water for 12 hrs, filter it & make 500liters to spray 1ha area, then mix Planofix @3ml/15ltr of spray solution)	10	2.0	Continuing										
Total	1		10	2.0											

* 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

Pulses

Frontline demonstration on pulse crops

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
Blackgram	INM	Application of 75 % STBR + foliar application of WSF (18 :18:18) @ 1 % at 25 & 40 DAS	10	2.0	8.94	7.82	14.32	28000	62133	34133	2.22	26000	54349	28349	2.09
	Total														

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

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Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters Avg no of (fruits/Plant)		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	**BCR	Gross Cost	Gross Return	Net Return	**BCR
Tomato	INM	INM in Tomato	10	1.0	305.4	271.2	12.61	63	54	138000	366480	228480	2.66	132000	325440	193440	2.47
Brinjal	INM	INM in Brinjal	10	1.0	360.2	325.4	10.69	83	76	140000	360200	220200	2.57	135000	325400	190400	2.41
Banana	INM	Bunchfeeding in banana for yield enhance	10	2.0	760.5	665.6	14.26	30.3 (Avg. bunch wt in kg)	26.6 (Avg. bunch wt in kg)	253500	912600	659100	3.60	250000	798720	548720	3.19
Okra	INM	INM in Okra	10	1.0	116.4	102.6	13.45	15.50	11.90	66896	174600	107700	2.61	65211	153900	88689	2.36
Brinjal	IDM	IDM practices for Wilt complex mgt	10	1.0	Result Waiting												
	Total																

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Brinjal	IDM	IDM practices for Wilt complex mgt	10	1.0	Result Waiting												
	Total																

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																	
Pigerry																	
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.

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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.

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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			
				Demo	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Oyster Mushroom production Variety Hypsizygusulmaris) for income generation	20	200 bags	185kg/100 beds	150kg /100 beds	27%	92.5	85%	4500/100bag	14800	10300	3.2	4500	12000	7500	2.7
Milky mushroom	Introduction of Milky mushroom (calocybeindica	20	200bag	100kg/bag	-	100%	50.0	-	4700	8000	3300	1.7	-	-	-	-
Button Mushroom																
Vermicompost	Vermicomposting	10	10	Compost Yield (q/bed/cycle) 15	Compost Yield (FYM) (q/bed/cycle) 15		Composting period 80 days	Composting period (FYM) 240	5000	25000	20000	5.00	1800	7500	5700	4.17
Sericulture																
Apiculture	Honey Bee	10	10	5kg/Box	-	100	Colony division 2/box	-	4200	5500/box/2year	1300	1.3	-	-	-	-
Vegetable seedling raising	Seedling under low cost polytunnel	10	10	Mortality 10	Mortality 55	81.8			4300	14400	10100		1800	7200	5400	
Nutritional Security	Nutritional Garden	10	10	Yield (kg/200m ² / year) 541	Yield (kg/200m ² / year) 241	124	Vegetable purchase/ year 71kg	Vegetable purchase/ year 100kg	4500	10820	6320	2.4	3500	4820	1320	1.3
Total																

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

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Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	Paddy straw Mushroom Production under threshed straw	40	650/100bed	-	Threshed straw has been utilized into a remunerative enterprise
Farm Women	Mushroom Production(Oyster)		185/100bag	150/100bag	This variety have better production than P.sajorcaju
Farm Women	Nutri-garden for Nutritional Security of Farm families	10	541kg/200m2 plot/year	241200m2 plot/year	Tribal farm families consuming 60% of fresh vegetables in their day to day food habit and increase the nutritional security.
Farm Women	Seedling raising under low cost polytunnel	10	10(Mortality)	55(Mortality)	Getting quality seedling round the year.
Farm Women	Vermicomposting	10	Composting period 80 days	Composting period (FYM) 240	Vermicompost is the best organic product, it can be use as an enterprise & farmers getting 4.17 B:C ratio
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

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)			
					Demonstration	Check									

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

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Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2023 and Rabi 2022-23:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Greengram (Rabi 2022-23)	Local var.	5.3	6.2	5.08	10	Greengram var. IPM-205-7 1.Seed rate of 25 kg per ha 2.Seed treatment with <i>Rhizobium</i> sp.@ 20g/kg 3.Post emergence application of Quizalofop Ethyl 5% EC @ 1.5 ml/l 4.Plant Protection to control pod borer application of Enamectin Benzoate 5 % SG @ 0.4 g/l 5.Foliar spray of water soluble NPK (19:19:19) at vegetative stage 6. Foliar application of 0.1 % Boron at flowering stage	25	10	7.8	6.4	7.1	14.52	39.76	40.85
2	Sesamum	Kalika	5.61	4.06	2.37	8.00	Suprava recommended dose of fertilizer & use of micro nutrient and need based plant protection measures	75	30.0	8.2	6.5	8.04	162	278	82.5