

# Achievements of Frontline Demonstrations

*Details of FLDs conducted during 2024*

## 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.	Paddy, MTU 7029	IDM	Control of Blast disease of Paddy	2	2	3	-	-	-	16	1	19	1	20	Paddy, MTU 7029
2.	Paddy High yielding variety	IPM	Control of BPH in Paddy	2	2	-	-	-	-	19	22	19	22	41	Paddy High yielding variety
3.	Paddy	Quality seed supply	Variety- MTU-7029	1	1	8	0	0	0	0	0	8	0	8	

### Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O					
Brinjal	Rabi-Summer – 2023-24	Irrigated	Sandy Loam	Medium	Low	Low	Paddy	28.10.23	20.04.24	-	-
Mustard	Rabi – 2023	Irrigated	Sandy Loam	Medium	Low	Low	Paddy	21.10.23	08.03.24	-	-
Brinjal	Rabi-Summer – 2023-24	Irrigated	Sandy Loam	Medium	Low	Low	Paddy	16.11.23	22.05.24	-	-
Paddy	Rabi – Summer 2023-24	Irrigated	Sandy Loam	Medium	Low	Low	Paddy	16.12.23	25.03.24	-	-
Paddy	Kharif-2024	Rain fed	Sandy Loam	Medium	Low	Low	Sesame	04.07.24	10.21.24	926	28

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.

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## 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
Mustard, Kesari Gold	IPM	Control of aphid in Mustard	20	2	15.7	11.4	37.7	41750	94200	52450	2.27	39540	68400	28950	1.73
Total			20	2	15.7	11.4	37.7	41750	94200	52450	2.27	39540	68400	28950	1.73

\* 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

## 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
Paddy	Supply of quality seed	Lal Swarna (Var. 7029)	08	1	75	60	25			85000	135000	50000	1.58	85000	108000	50000	1.27
Brinjal, High yielding variety	IPM	Control of Brinjal Fruit and shoot Borer	20	2	288	234	23			106350	230400	124050	2.17	102150	187200	85050	1.83
Brinjal, High yielding variety	IPM	Control of Brinjal Fruit and shoot Borer	20	2.5	294	246	19.5			105660	235200	129540	2.27	101750	196800	95050	1.93
Paddy, High yielding	IDM	Control of Blast disease of Paddy	20	2	62.2	54.5	14.13			73625	121290	47665	1.65	71545	106275	34730	1.49
Paddy High yielding variety	IPM	Control of BPH in Paddy	41	2	60.6	53.2	13.91			72430	118170	45740	1.63	71220	103740	32520	1.46

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Lime + Chilli (var. Suryamukhi)	Intercropping	Intercropping of Lime & Chilli	30	0.25	81	70				175000	445500	270500	1.54	150000.00	336000	186000	1.24
Marigold (Serakol)	Cultivation of marigold	Cultivation of marigold	20	0.2	165	125				150000	495000	345000	2.30	150000	375000	225000	1.50
Dragon fruit (Pink Rose)	Dragon Fruit cultivation	Scientific cultivation of dragon Fruit in the red and lateritic zone of Jhargram	30	0.2	-	-				1400000	-	-	-	-	-	-	-
Cashew	Cultivation of Cashew (Var. Bidhan Bonsai)	Cultivation of Cashew (Var. Bidhan Bonsai)			-	-				52000	-	-	-	-	-	-	-
Tomato (5005)	Organic cultivation	Organic cultivation of Vegetable crops			468	342				86520	187200	100950	2.17	82500	140220	57720	1.70
Nano Urea + Sagarika	Nutrient Management	Introduce use of nano urea to reduce the soil application of urea granules	17	01	50.3	45.2	11.2			71250	130125	58875	1.82	69355	113000	43645	1.62
Application of Novcom Compost	Nutrient Management	Lowcost 21 days compost to reduce straw burning and its application in vegetables	12	0.5	-	-	-			-	-	-	-	-	-	-	-

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