

## 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.	Rice	Varietal evaluation	Drought tolerant variety Sahabhazi dhan (Application of NPK (60:30:30) along with need based pesticide)	1	1	0	0	5	5	0	0	5	5	10	
2.	Rice	INM	Green manuring of sunhemp in RICE with seed rate 50-60 kg/Ha, incorporation of sunhemp in the soil after 45 DAS to generate 12 ton biomass/ ha.	1	1	0	0	0	0	5	5	5	5	10	
4.	Rice	IPM	Installation of pheromone Trap @50nos/ha, release of bioagent <i>T.chilonis</i> @2.5 lakhs/ha at weekly interval followed by spraying of Emamectin benzozte @ 250gm/ha	2	2			8	2					10	

#### 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					
Rice	Kharif	Rainfed	Red Black soil	265.4	22.1	118.2	Vegetables	3 <sup>rd</sup> week of June	2 <sup>nd</sup> week of November	96.04 mm	62
Rice	Kharif	Irrigated	Red Black soil	260.3	21.5	109.2	Vegetable	3 <sup>rd</sup> week of June	1 <sup>st</sup> week of November	99.3 mm	63

Rice	Kharif	Rainfed	Red Black soil	290.8	21.8	124.9	Vegetable	2nd week of June	3 <sup>rd</sup> week of October	99.04 mm	65
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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.

## Performance of FLD

### 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	IPM	Installation of pheromone Trap @50nos/ha, release of bioagent <i>T.chilonis</i> @2.5 lakhs/ha at weekly interval followed by spraying of Emamectin benzoate @ 250gm/ha	10	2	12.7	11	16%	4080	63500	22700	1.59	3750	55000	17500	1.47

\* 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	Fruit wt in kg		*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
Cow pea	ICM	Demonstration of Cow pea Var. Kashi kanchan	10	1	98	84	17	1.47 kg	1.27 kg	63000	156800	93800	2.48	60000	134400	74400	2.24

Sweet potato	INM	Demonstration of Integrated nutrient management in Sweet potato	10	1	166	134	24	230 g	205g	84000	199200	115200	2.36	80000	160800	80800	2.01
Onion	IWM	Demonstration of Weedicide Oxyfluorfen in Rabi Onion	10	1	204	178	15	Weed per Sqm 4	23	105000	204000	99000	1.95	102500	178000	75500	1.73
Tomato	ICM	Demonstration of Tomato variety Arka Rakshak	10	1	360	309	17	1.78 kg	1.70	78000	180000	102000	2.30	73500	154500	81000	2.10
Cabbage	IPM	Demonstration of IPM of diamond back moth in cabbage	10	1	240	205	16	Infection %	29%	69800	168000	98200	2.40	65000	143500	78500	2.21
Tomato	IDM	Demonstration of Wilt management in Tomato	10	1	265	210	26	Wilted Plant/ Sq.mt. 0.2	1.3	69500	159000	89500	2.21	65000	126000	61000	1.93
Vegetables	Nutritional security	Demonstration of Nutritional gardening	160	1.6	90.5kg/month	44 kg/month	105			950	2100	1150	2.7	1189	1546	546	1.3

### 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
Poultry	Income generation	Rearing of Kadaknath with proper vaccination and feeding	20	20	Ongoing												

### 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	Income Generation	20	200	2.2					6000	17900	11900	2.9	6000	11500	5500	2.46

Paddy Straw mushroom	Income Generation	20	200	1.25	0.72	41			8000	19700	11700	2.46	8000	15000	7000	1.87
Value Addition	Value Addition	10	100kg.	60 kg. of Pickle	100 kg. raw jack fruit						4000	2.15			1780	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

### Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Cowpea	Cow pea var. Kashi Kanchan can be taken as a remunerative crop in Rainfed upland situation
2	Groundnut	Installation of pheromone Trap @50nos/ha, release of bioagent <i>T.chilonis</i> @2.5 lakhs/ha at weekly interval followed by spraying of Emamectin benzoate @ 250gm/ha can control spodoptera in groundnut
3	Rice	Sahabhagi dhan can replace the local upland paddy