

Achievements of Frontline Demonstrations

Details of FLDs conducted during 2018-2019

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	Nutrient Management	Quality HYV Mustard Var.(Nc-1) Seeds, Sulphur	16	02	13.2	9.80	34%	23750/-	49520/-	25770/-	2.08	20200/-	38250/-	18050/-	1.89
Total			16	02											

* 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
Red Gram	Production management	Quality HYV Redgram Seeds	14	02	14.6	11.4	28%	42300/-	90520/-	48220/-	2.13	38660/-	74350/-	35690/-	1.92
	Total		14	02											

* 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 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	Nutrient Management	HYV.seeds & micronutrient mixture	13	02	45.2	34.2	26			31500/	54700/	23200/	1.73	25200/	42300/	17100/	1.67
Maize	Nutrient Management	HYV.seeds & micronutrient mixture	15	02	26.6	21.3	24			14400/	28200/	13800/-	1.96	14200/-	23600/	9400/-	1.66
Paddy	System Management	HYV.seeds & micronutrient mixture	12	02	66.2	45.7	32			41200/	79500/	38300/	1.92	30300/	56500/	26200/	1.85
Cauliflower	Multi-tier cropping	HYV seeds, manure,PPC	11	2.0	187.5	157.5	19.05 Increase	-	-	125625	281250	155625	2.24	123000	228375	105375	1.86
Cucumber	Multi-tier cropping	HYV seeds, manure,PPC	10	2.0	230.0	186.0	24 increase	-	-	63000	132000	69000.00	2.09	42500.00	84000.00	41500.00	1.97
Brinjal	Organic Farming	HYV seeds, Organic manure, bio-pesticide	25	2.0	312.5	285.5	9.46 increase	-	-	131625	343750	212125	2.61	130500	228400	97900	1.75
Onion	Kharif onion cultivation	Kharif onion (var. Agrifound dark red) seed	20	2.0	202.5	185.5	27.76 increase	-	-	152500	394850	242375	2.59	142200	282922.50	140722.50	1.99
Control of Wilting disease of Tomato	IPM	Application of Fungicide & Antibiotic	14	02	192.0	154.0	24			164000/	333000/	169000/-	2.03	123500/	224000/	100500	1.81
Control of Leaf curl disease of Chilli.	IPM	Application of Acaricide.	18	02	230.0	186.0	24			63000	132000	69000.00	2.09	42500.00	84000.00	41500.00	1.97
Total			138	18													

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	Yield		% 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
Monosex Tilapia	Introduction of New Technology	Culture of monosex Tilapia in Small seasonal Pond/Cemented Tanks	10	10	1800	1150	56.6	200	50	57000	180000	123000	3.15	45000	115000	70000	2.55
Common carp	Resource Management	To learn innovative methods of Insect Control Methods in Fish Ponds	10	10	900	700	42	200	150	40000	130000	90000	3.25	25000	70000	45000	2.8
		Total	20	20													

* 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				
				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.

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Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
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)	Field observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check		Area	Check	Demo.	Reduction	Area	Check	Demo	Reduction
Drum Seeder	Paddy(MTU-7029)	Agricultural Implements for paddy cultivation	11	1.00	Field Capacity 0.125ha/Hr Labour Requirement 16Man-hr/ha	Field Capacity(FC) 0.025Ha/Hr Labour Requirement(LR) 40Man-hr/ha	F.C-500 LR-60	1ha	2	5	3	1ha	375	765	390
Cono - Weeder	Paddy(MTU-7029)	Improved Agricultural Implements for weeding	09	0.33	Field Capacity 0.02ha/hour Labour Requirement- 50mandays/ha	Field Capacity- 0.001ha/hour Labour Requirement- 100mandays/ha	FC-100 LR-200	1ha	50	100	50	1ha	7200	14600	7400
Paddy Transplanter	MTU 7029	Paddy production machinery	09	0.13	Field capacity 0.120ha/hr Labour Requirement 02mandays/ha	Field capacity 0.0300ha/hr Labour Requirement 33mandays/ha	0.13 ha	1 ha	33	2	31	1 ha	6600	1800	4800
Potato digger	Potato	Bullock drawn digger	07	0.20	0.048 ha/hr	0.02 ha/hr	140	1ha	6	3	3	1ha	900	1050	150

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