

Achievements of Frontline Demonstrations

Details of FLDs conducted during 2017-2018

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	12	02	12.6	9.40	34%	22850/-	46546/-	23696/-	2.03	17955/-	33250/	15295/	1.85
	Total		12	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	20	02	13.6	10.1	34	51300/-	108000/-	56700/-	2.10	40660/-	78850/-	38190/-	1.93
Green Gram	Production management	Quality HYV Greengram Seeds	12	02	13.4	10.6	26	46750/	98850/	52100/	2.11	42610/	81620/	39010/	1.91
	Total		32	04											

* 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

Frontline demonstrations on other 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
Paddy	Nutrient Management	HYV.seeds & micronutrient mixture	12	02	44.3	35.2	25	29200/	50600/	21400/	1.73	22800/	37450/	14650/	1.64
Maize	Nutrient Management	HYV.seeds & micronutrient mixture	12	02	25.2	20.1	25	13400/	26200/	12800/-	1.95	13800/-	22300/	8500/-	1.68
Paddy	System Management	HYV.seeds & micronutrient mixture	10	02	65.6	44.7	31	35.100/	69500/	34400/	1.98	26300	47800/	21500/	1.81
Paddy	Disease Management	HYV.seeds & Fungicide	11	02	45.10	37.10	21	24660/	45834/	21174/	1.86	22400/	37900/	15500/	1.69
Paddy	Disease Management	HYV.seeds & Fungicide	12	02	42.4	34.5	22	23660/	42630/	18970/	1.80	20800/	34900/	14100/	1.66
Bitter guard	Disease Management	HYV.seeds & Fungicide	6	02	282.3	208.4	35	84690/	169380/	84690/	2.1	59700/	114400/	54700/	1.91
Cauliflower	Crop Management	HYV seeds, manure,PPC	7	2.0	260.0	185.0	40	104000/	208000/	104000/	2.1	68700//	129500/	60800/	1.88
Brinjal	Organic Farming	HYV seeds, Organic manure, bio-pesticide	7	2.0	162.1	-	-	290700/	56290/	27220/	1.86	-	-	-	-
Vegetable	Protected cultivation	Polyhouse material	7	2.0	192.0	154.0	24	164000/	333000/	169000/-	2.03	123500/	224000/	100500	1.81
Turmeric	Production management	Rhizome, manure,PPC	7	2.0	250	170	47	82000//	21000/	128000/	2.5	75000/	130000/-	65000/-	1.73
Cucumber	Production management	HYV seeds, manure,PPC	7	2.0	230.0	186.0	24	63000	132000	69000.00	2.09	42500.00	84000.00	41500.00	1.97

* 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 (Kg/ha)		% change in major parameter	Av.Wt of Fish(gms)		*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
Indian Major Carps	Nutrient Management/Resource Management	Composite Fish Culture, Micronutrient application	25	25/4 ha	1800	1150	56.5	200	50	57000	180000	123000	3.15	45000	115000	70000	2.55
Catfish (Indigenous Magur)	Resource management	Indigenous Magur Culture with carp in Seasonal pond	16	16/2ha	Carp - 900, Magur-100.000, Total - 1000	Carp - 700, Magur- NIL Total - 700	42.9	Carp-200, Magur-100	Carp-150, Magur-NIL	40000	130000	90000	3.25	25000	70000	45000	2.8
		Total	41	41 nos./6 ha													

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

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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		Area	Check	Demo	Reduction	Area	Check	Demo	Reduction
Cono - Weeder	Paddy(MTU-7029)	IAgricultural Implements for weeding	20	2.00	FC-0.02ha/hour LR-50mandays/ha	FC-0.001ha/hour LR-100mandays/ha	FC-100 LR-200	1ha	50	100	50	1ha	7200	14600	7400
Drum Seeder	Paddy(MTU-7029)	Agricultural Implements for paddy cultivation	5	0.20	F.C 0.125ha/Hr LR 16Man-hr/ha	F.C 0.025Ha/Hr LR 40Man-hr/ha	F.C-500 LR-60	1ha	2	5	3	1ha	375	765	390
Power Reaper	Paddy(MTU-7029)	Agricultural Implements for paddy harvesting	15	5.0	7.5 Man hour	75 man hour	900	1 ha	75	7.5	67.5	1 ha	3650	13650	10000
Battery operated Sprayer	Paddy(MTU-7029) and Bitter gourd	Agricultural Implements for paddy protection	30	1.00	0.3 ha/hr	0.13 ha/hr	131	1ha	1	0.375	0.625	1ha	35.62	175	110
Potato digger	Potato	Bullock drawn digger	10	0.23	0.048 ha/hr	0.02 ha/hr	140	1ha	6	3	3	1ha	900	1050	150
		Total	90	8.43											