

FRONTLINE DEMONSTRATIONS

FLDs implemented during 2011-12

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1	Oilseeds	Rainfed	Rabi 2011-12	Sesamum	TMV 7		ICM	ICM in sesamum	12	12	11	19	30	
2		Irrigated	Rabi 2011-12	Groundnut	TMV 7		INM	DSSIFER based fertilizer management in groundnut	4	4	2	8	10	
3		Rainfed	Rabi 2011-12	Sunflower	CO 5		Variety popularization	Popularisation of sunflower variety CO(SFV)5	6	6	2	13	15	
4	Pulses	Rainfed	Rabi 2011-12	Blackgram	VBN(Bg) 4		Production technology	Popularisation of Blackgram – VBN (Bg) 4	6	6	-	15	15	
5		Rainfed	Rabi 2011-12	Greengram	VBN(Gg) 3		Production technology	Introduction of Greengram– VBN (Gg) 3	6	6	-	15	15	
6		Rainfed	Rabi 2011-12	Cowpea	VBN(Cp) 2		Production technology	Introduction of Cowpea VBN (Cp) 2	6	6	-	15	15	
7	Cereals	Irrigated	Rabi 2011-12	Rice	Anna (R)4		Variety popularization	Introduction of semi-dry rice variety - Anna	5	5	2	8	10	
8			Rabi 2011-12	Maize		NK 6240	Farm mechanisation	Popularisation of Mechanisation in maize	2	2	-	5	5	

9	Millets	Rainfed	Rabi 2011-12	Bajra	CO(Cu)9		Variety popularization	Introduction of bajra variety – Co(Cu)9	6	6	1	14	15	
10			Rabi 2011-12	Kudiraivali	CO(Kv)2		Variety popularization	Popularisation of Kudiraivalli Co 2	6	6	2	13	15	
11	Vegetables	Irrigated	Rabi 2011-12	Onion	Nasik Red		Variety popularization	Popularisation of onion - Nasik red bellary	2	2	-	5	5	
12		Irrigated	Rabi 2011-12	Onion	CO 5		Variety popularization	Popularisation of onion Co 5	2.4	2.4	-	6	6	
13		Irrigated	Rabi 2011-12	Chilli	Byadgi		Variety popularization	Popularization of chilli - Byadgi	6	8	4	16	20	
14	Fodder	Irrigated	Rabi 2011-12	Guinea grass	CO(GG)3		Variety popularization	Introduction of Guinea grass – CO(GG)3	0.4	0.4	-	10	10	
15		Irrigated	Rabi 2011-12	Cumbu Napier		CO(CN)4	Hybrid popularization	Popularization of Fodder grass CN Hybrid – Co 4	0.44	0.44	2	9	11	
16	Fibre	Rainfed	Rabi 2011-12	Cotton	SVPR 4		Variety popularization	Popularization of SVPR 4 cotton	4	4	-	10	10	

Soil fertility status of FLDs plots during 2011-12

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
1	Oilseeds	Rainfed	Rabi 2011-12	Sesamum	TMV 7		ICM	ICM in sesamum	Rabi 2011-12	L	M	H	Maize
2		Irrigated	Rabi 2011-12	Groundnut	TMV 7		INM	DSSIFER based fertilizer management in groundnut	Rabi 2011-12	L	M	H	Cotton
3		Rainfed	Rabi 2011-12	Sunflower	CO 5		Variety popularization	Popularisation of sunflower variety CO(SFV)5	Rabi 2011-12	L	M	H	Blackgram
4	Pulses	Rainfed	Rabi 2011-12	Blackgram	VBN (Bg) 4		Production technology	Popularisation of Blackgram – VBN (Bg) 4	Rabi 2011-12	L	M	H	Cotton
5		Rainfed	Rabi 2011-12	Greengram	VBN (Gg) 3		Production technology	Introduction of Greengram – VBN (Gg) 3	Rabi 2011-12	L	M	H	Maize
6		Rainfed	Rabi 2011-12	Cowpea	VBN (Cp) 2		Production technology	Introduction of Cowpea VBN (Cp) 2	Rabi 2011-12	L	M	H	Bajra
7	Cereals	Irrigated	Rabi 2011-12	Rice	Anna (R)4		Variety popularization	Introduction of semi-dry rice variety - Anna	Rabi 2011-12	L	M	H	Fallow
8			Rabi 2011-	Maize		NK 6240	Farm mechanisation	Popularisation of Mechanisation	Rabi 2011-	L	M	H	Blackgram

			12					in maize	12				
9	Millets	Rainfed	Rabi 2011- 12	Bajra	CO(Cu)9		Variety popularization	Introductio n of bajra variety – Co(Cu)9	Rabi 2011- 12	L	M	H	Sesame
10			Rabi 2011- 12	Kudiraiva li	CO(Kv)2		Variety popularization	Popularisati on of Kudiraivalli Co 2	Rabi 2011- 12	L	M	H	Sorghum
11	Vegetabl es	Irrigated	Rabi 2011- 12	Onion	Nasik Red		Variety popularization	Popularisati on of onion - Nasik red bellary	Rabi 2011- 12	L	M	H	Chilli
12		Irrigated	Rabi 2011- 12	Onion	CO 5		Variety popularization	Popularisati on of onion Co 5	Rabi 2011- 12	L	M	H	Brinjal
13		Irrigated	Rabi 2011- 12	Chilli	Byadgi		Variety popularization	Popularizati on of chilli - Byadgi	Rabi 2011- 12	L	M	H	Cotton
14	Fodder	Irrigated	Rabi 2011- 12	Guinea grass	CO(GG)3		Variety popularization	Introductio n of Guinea grass – CO(GG)3	Rabi 2011- 12	L	M	H	Maize
15		Irrigated	Rabi 2011- 12	Cumbu napier		CO(C N)4	Hybrid populariza tion	Popularisati on of Fodder grass CN Hybrid – Co 4	Rabi 2011- 12	L	M	H	Brinjal
16	Fibre	Rainfed	Rabi 2011- 12	Cotton	SVPR 4		Variety popularization	Popularizati on of SVPR 4 cotton	Rabi 2011- 12	L	M	H	Blackgra m

Results of Frontline Demonstrations

Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	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
							H	L	A										
Oilseeds	ICM in sesamum	TMV 7		Rainfed	30	12	8.1	6.3	7.3	5.0	46	11167	24042	12875	2.20	7500	8250	750	1.10
	DSSIFER based fertilizer management in groundnut	TMV 7		Irrigated	10	4	23.5	18.5	21.4	15.8	35	28460	78824	50364	2.80	24000	49373	25737	2.10
	Popularization of sunflower variety CO(SFV)5	CO 5		Rainfed	15	6	11.7	9.5	10.6	7.5	41	11000	35100	26600	3.19	8500	16500	8000	1.94
Pulses	Popularization of Blackgram – VBN (Bg) 4	VBN(Bg) 4		Rainfed	15	6	7.9	6.6	7.3	6.1	20	10462	29200	18738	2.79	9737	21300	11613	2.19
	Introduction of Greengram– VBN (Gg) 3	VBN(Gg) 3		Rainfed	15	6	7.6	7.0	7.3	6.3	16	9851	27867	18015	2.83	9804	24016	14212	2.45
	Introduction of Cowpea VBN (Cp) 2	VBN(Cp) 2		Rainfed	15	6	8.6	8.0	8.6	7.2	19	9851	29167	19315	2.96	9804	25340	15536	2.58
Cereals	Introduction of semi-dry rice variety - Anna	Anna (R)4		Rainfed	10	5	46.6	35.8	41.2	34.8	18.3	20420	47392	26792	2.32	19820	36572	16752	1.85

	Popularisation of Mechanisation in maize		NK 6240	Rainfed	5	2	52.0	47.0	48.9	40.5	21	15540	35048	19508	2.25	14660	27848	13188	1.89
Millets	Introduction of bajra variety – Co(Cu)9	CO(Cu)9		Rainfed	15	6	28	21	24.5	15.5	37	9000	30800	21800	3.42	6500	17050	10550	2.62
	Popularisation of Kudiraivalli Co 2	CO(Kv)2		Rainfed	15	6	23.3	19.0	21.1	17.1	23.4	5800	21100	15300	3.64	5500	17100	11600	3.11
Vegetables	Popularisation of onion - Nasik red bellary	Nasik Red		Irrigated	5	2	142	135	138	113	22	38295	165600	127305	4.32	42606	135120	92514	3.17
	Popularisation of onion Co 5	CO 5		Irrigated	5	2	103	96	100	64	56	69830	99330	29330	1.42	55880	66160	10280	1.18
	Popularisation of chilli - Byadgi	Byadgi		Irrigated	20	8	36.4	30.8	33.5	29.1	15	100440	32400	68040	3.10	84499	31500	52999	2.68
Fibre crops like cotton	Popularisation of SVPR 4 cotton	SVPR 4		Rainfed	10	4	9.55	8.45	9.00	7.30	23	10360	30595	21235	3.03	10120	24905	14785	2.46
Fodder	Introduction of Guinea grass – CO(GG)3	CO(GG)3		Irrigated	5	0.1	3400	2900	3180	2130	49	152520	397500	244980	2.61	150800	266250	115450	1.77
	Popularisation of Fodder grass CN Hybrid – Co 4 + legume fodder desmanthus		CO (CN) 4	Irrigated	11	0.44	3120	2149	2639	2191	20.4	63325	197925	134600	3.13	54144	142415	88271	2.63

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

** BCR= GROSS RETURN/GROSS COST

H – Highest Yield, L – Lowest Yield A – Average Yield