Frontline Demonstration

2018-19

FLDs (Discipline-Wise Summary)

Discipline	Crop / Enterprise	Number of technology/ Social Concept Demonstrated	No. of demonstrations		% of achievement	Reasons for shortfall, if any
			Target	Achievement		
Agronomy	Rabi maize	1(4)	40	40	100	**2-seed hub 1-CFLD**
Horticulture	Chilli	1(4)	40	10	25	**Study leave**
Plant Protection	i) Sugarcane ii) Rice	1 1	10 10	10 10	100 100	
PBG	i) Rice ii) Rice	1 1	10 10	10 10	100 100	
Animal Sc.	Poultry (Broiler)	1(2)	20	10	50	**SMS vacant**
Home Sc.	i) Okra ii) Fish Silage	1 1	10 10	10 10	100 100	
	Total	**9(16)**	**160**	**120**		

Discipline -Agronomy

FLD : Popularisation of Rabi maize cultivation

Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase	Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio (GR/GC)
		H	L	A	Qt/ha)					
Maize-HQPM-1	Fertilizer dose-NPKZn: 80:40:30:20 kg/ha	32.6	22.4	28.5	24.80	12.98	40,500	85,500	45,000	2.11

Discipline: PBG

FLD : 1 Popularisation of Participatory rice seed production

Crop	Rice Var. RC Maniphou-13		
Technology demonstrated	i.Seed rate:7 kg /ha ii.Spacing: 20x15 cm iii.Nos. of seedlings/ hill-1 iv. N:P:K: 80:40:40 kg/ha v.Rogueing: whenever needed		
Demonstration yield (q/ha)	**High**	**Low**	**Avg**
	62.4	57	60
Yield of local check(q/ha)	52	**Increase in yield(%)**	13.3
Gross cost(Rs/ha/)	75,000	**Gross return(Rs/ha**	1,68,000
Net Return(Rs./ha)	92,792	**BC ratio**	2.23

Discipline: PBG

FLD : 2 Promotion on Seed production of Spring rice

Crop	Rice Var. RC Maniphou-12, short duration, semi dwarf, bold seeded rice		
Technology demonstrated	Seed rate: 8kg/ha Spacing: 20x20cm No. of seedlings/hill-1 NPK: 50:30:20 kg/ha Weeding: 2 cono weeding + hand weeding seedling age: 15-17 days Rogueing – whenever needed		
Demonstration yield (q/ha)	**High**	**Low**	**Avg**
	52	49	50
Yield of local check(q/ha)	45	**Increase in yield(%)**	11
Gross cost(Rs/ha/)	56,000	**Gross return(Rs/ha**	1,40,000
Net Return(Rs./ha)	84,000	**BC ratio**	2.5

Discipline: Plant protection

FLD- 1.Demonstration on Stem borer, BPH and Gundhibug management in rice.

Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn. (Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A	(Qt /Ha)	%				
Rice	Imidachlorprid 6% @0.5ml/litre + Lamda cyhalothrin 4.5 SL @ 1ml/litre to be sprayed on 30th and 60th DAT	64.2	53.1	58.3	52.7	10.6	57000	87450	30450	1.58

Discipline: Plant protection

FLD-2.Demonstration on shoot borer and smut management in sugarcane.

Crop	Technology demonstrated	Demonstration Yield (Qt/Ha)			Yield of local Check	Increase in yield	Avg. Cost of Cultivn(Rs/Ha)	Avg. Gross Return (Rs/Ha)	Avg. Net Return (Rs/Ha)	B:C Ratio
		H	L	A	(Qt /Ha)	%				
Sugarcane	Chlorpyriphos 20% @ 2.5 ml/litre + Propiconazole 25% @ 1 ml/litre water in sugarcane fields at knee high stage and at 20 days after first spray.	392	370	386	350	10.28	172000	480000	308000	2.79

Discipline: Horticulture

FLD-Popularisation of chilli Var. Pusa Sadabahar

Crop	Chilli Var. PusaSadabahar			
Technology demonstrated	i.No. of rows/bed-2 ii.No. of seedlings/hill-1 iii. Spacing 60 x 45 cm iv.NPK -120:50:50 kg/ha Full P & K + half N as basal dose and half N before flowering			
Demonstration yield (q/ha)	**High**	**Low**	**Avg**	
	54	49	52	
Yield of local check(q/ha)	47	**Increase in yield(%)**		9.6
Gross cost(Rs/ha/)	90,510	**Gross return(Rs/ha)**		2,08,000
Net Return(Rs./ha)	1,17,490	**BC ratio**		2.3

Discipline: Animal Science

FLD - Demonstration on Restricted time feeding (6hrs/day of feed) on performance of broiler chicken

Enterprise	Breed	No. of farmers	No. of animals/ poultry birds etc.	Performance parameters/ indicators	Results on parameters in relation to technology demonstrated		% Change	Remarks
					Demo	Local		
Ad libitum feeding till 10th day of hatch and restriction done from 11th till 18th day and normal feeding continues from 18th to 42nd day	Broiler	10	1000 birds	Weekly body wt.(gm)	180 450 850 1300 1900 2300	109 350 650 1050 1550 2000	39.44 22.22 23.52 19.23 18.42 13.04	Easily adopted by the farmer
				Survibility%	**96**	**88**	**8.33**	

Discipline -Home Science

FLD – 1. Extraction of Fiber from Okra

Technology demonstrated	No. of farmers /farm women	No of unit	Performance Parameters/indicator	Data on parameters in relation to technology demonstrated		% Change in the parameters
				Demo	Check	
i.Retting in water for 15 days	10	10	Fiber recovery/plant (Fresh wt.)	400 gm	200 gm	50 %
ii.Washing iii.Extraction of fiber iv.Drying			Fiber recovery/Kg (dry wt.)	40 gm	20gm	50 %
			Remark :- Recommended for large scale prodn.			

Discipline -Home Science

FLD -2. Promotion of Fish Silage from Fish Waste

Technology demonstrated	No. of farmers/ farm women	No of unit	Performance Parameters/ indicator	Data on parameters in relation to technology demonstrated		Remark
				Demo	Check	
i) Chopped/ground fish waste prior to addition of acid ii)Mixed with formic acid 40ml/kg & stirred several times daily. iii) Feed prdn-Slurry: rice bran-5:3 & dried	10	10	No. of days for liquification	7 days	2 days	It can be used as source of feed for livestock & poultry.
			Shelf life	6 months	nil	

FLDs on CFLD (Oilseeds)

Crop	Variety	Demonstration Yield (Qt/Ha)			Yield of local Check	% increase/ change in avg. yield over local	Gross Cost (Rs/ha)/ (Rs./ unit)	Gross Return (Rs/ha) / (Rs./ unit)	Net Return (Rs/ha) / (Rs./ Unit)	B:C Ratio (GR/GC)
		H	L	A	Qt/ha)	%				
Mustard	NRCHB-101	10.4	5.2	9.2	7.6	17.39	23000	46000	23000	2.00