A. PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)

1. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Rape seed (Rai) **Rabi 2022-23**	Locally unidentified	8.3	210	225	(-)240	Rajendra Suflam+ Varietal replacement & IPM	100	40	14.25	11.5	13.25	37.35	11.62	11.67
2.	Linseed **Rabi 2022-23**	Locally unidentified	6.3	205	230	(-)385	Sabour Tisi-1 + Varietal replacement & IPM	75	30	11.2	9.6	10.30	24.27	21.89	14.17
3.	Lentil **Rabi 2022-23**	Locally unidentified	12.5	290	275	(-) 420	HUL 57+ Varietal replacement & IPM	50	20	15.9	10.6	14.58	32.78	31.42	27.1
4.	Green Gram (summer) **Summar 2023**	Locally unidentified (small grain)	6.7	220	230	330	Sikha Varietal replacement and INM	50	20	9.7	6.85	8.7	28.16	30.63	42
5	Rape seed (Rai)	Locally unidentifie					RH 725 +	100	40						Crop Standin

	Rabi 2023	d					Varietal replacement & IPM								g
6	Linseed **Rabi 2023**	Locally unidentified					Sabour Tisi-1 + Varietal replacement & IPM	25	10						Crop Standing
7	Lentil **Rabi 2023**	Locally unidentified					IPL 316 + Varietal replacement & IPM	50	20						Crop Standing

2. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	Rajendra suflum, seed treatment with Carbendazim @2 gm /kg of seed + foliar spray of carbendazim @2gm/lit. of water at the time of flowering, Pendimethalin @1l/acre,sulphur@30kg/ha, imidachloropid, @250ml/ha, Multiplex nutrient mixture @250ml/acre	16230	38950	22720	2.39	19640	60955	41315	3.10
2.	Sabour Tisi-1, seed treatment with Carbendazim @2 gm /kg of seed + foliar spray of carbendazim @2gm/lit. of water at the time of flowering, Pendimethalin @1l/acre, Multiplex nutrient mixture @250ml/acre	13540	32650	19110	2.41	15450	48850	33400	3.16
3.	HUL-57 seed @40kg/ha, Seed Treatment carbendazin@2.5g/kg, pendimethalin@3.3l/ha,Rhizobium20g,PSB20g/kg seed, Multiplex 250 ml/acre,Biofert	16850	40870	24020	2.42	18930	62195	43265	3.28
4.	Sikha, Seed Treatment carbendazin@2.5g/kg, pendimethalin@3.3l/ha,Rhizobium20g,PSB20g/kg seed, Multiplex 250 ml/acre,Biofert	22890	32500	9610	1.42	24675	43500	18825	1.76

3. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1	Rapeseed Mustard/ Rai (Rajendra suflam), Varietal replacement & IPM	22100	195.75	55	5	5	For enhancement of farming activity & household consumption	11
2	Linseed (Sabour Tisi-1), Varietal replacement & INM	16140	315.5	45	20	20	For enhancement of farming activity & household consumption	6
3	Lentil (HUL 57), Varietal replacement & INM	31960	265	48	40	40	For enhancement of farming activity & household consumption	10
4	Green gram (Sikha)	17400.00	220.00	50.00	Nil	Nil	1. Household consumption 2. Sale of seed for procurement of paddy seed 3. Savings	22.5

B. Pulse / Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Varietal replacement & IPM (Rajendra Suflam)	The crop is suitable to the farming system	Practicing INM and IPM enhanced the yield performance	Yes, low price and easy to applicable & suitable in late sown condition	Attack of aphids	Yes, preferably acceptable	MSP should be such that it overcomes the negative effect of damage due to adverse weather condition
2	Varietal replacement & IPM (Sabour Tisi-1)	The crop is suitable to the farming system	Possibility of cultivation in paira cropping mode	Less cost of cultivation	Minor attack of wilt & alternaria leaf spot	Yes, acceptable due to low cost of cultivation without requirement of any irrigation facility	Variety with more higher yield than local variety should incorporate.
3	Varietal replacement & IPM(HUL-57)	The crop is suitable to the farming system	Possibility of cultivation in paira cropping mode	Less cost of cultivation	Minor attack of wilt	Yes, acceptable due to low cost of cultivation without requirement of any irrigation facility	MSP should be such that it overcomes the negative effect of damage due to adverse weather condition
4	Viart Varietal replacement and IPM	The crop is suitable to the farming system	Improved variety and technology of cultivation is preferred by the farmers	Good	Not observed	Yes	New variety is demand, measures to control weed infestation

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Rape seed/Mustard (Rabi 2022-23)			
1. The crop is suitable to the farming system	Satisfactory yield obtained	33.13 % higher yield obtained over local check	Varietal acceptance for future cropping plan
2. Seed treatment with fungicide @ 2.5 gm/kg seed with carbendazim 3. Application of imidachlorprid 17.8SL @ 1ml/L of water	Incidence of white rust is low due to seed treatment Incidence of sucking pest is low due to seed treatment		MSP should be such that it overcomes the negative effect of damage due to adverse weather condition
Linseed (Rabi 2022-23)			
1. The crop is suitable to the farming system	Satisfactory yield obtained	03.46 % higher yield obtained over local check	Variety is at par with the local variety
2.Seed treatment with fungicide @ 2.5 gm/kg seed with carbendazim 3. Application of monocrotophos @ 500ml per Acre of land	Incidence of wilt is low due to seed treatment Incidence of leaf cutter pest low due to seed treatment		MSP should be such that it overcomes the negative effect of damage due to adverse weather condition
Lentil (Rabi 2022-23)			
1. Varietal Demonstration	Satisfactory yield obtained	27.84 % higher yield obtained over local check	Varietal acceptance for future cropping plan
2. Application of bio fertilizer for seed treatment with Rhizobium @ 5gm/kg seeds 2. Treatment with 2.5gm	Incidence of wilt is low due to seed treatment with chemical fungicide & better yield with application of bio-fertilizers.		MSP should be such that it overcomes the negative effect of damage due to adverse weather condition

carbendazim with 1 kg of seeds. 3. Application of insecticide @ 3ml/L of water 4. Spray of Multiplex @ 3 L/ha	Incidence of borer is low due to spray of Chlorpyriphos 50% + Cypermethrin 5% EC		
Green Gram (Summer 2023)			
1. Varietal Demonstration	Satisfactory yield obtained	33.84 % higher yield obtained over local check	Varietal acceptance for future cropping plan
2. Spraying of Imidachloprid for the management of YVMV vector white fly	Low incidence of YVMV		Demand of small seed size variety due to taste difference

D. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	**Training Programme**	**10.01.2023, 24.01.2023, 03.02.2023,14.02.2023, 02.08.2023,**	**184**
2.	**Diagnostic Vist**	11.01.2023, 13.01.2023,21.01.2023, 01.02.2023, 03.05.2023, 08.08.2023,17.08.2023	69
3.	**Field Day**	20.03.2022,12.04.2023	51