

KVK, Rewari

Front Line Demonstrations 2018(Summary)

FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
2			
Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement
149	147.9	381	381

RESULTS OF CFLDS OILSEED(SESAME) IN KHARIF, 2018

Crop Sequence - Mustard –Sesame,Wheat-Sesame
Irrigated/rainfed - Irrigated
Soil Type - Loamy sand
Soil status - Low NPK
Seasonal rainfall (June-Sept.) - 84.5+202.3+114.3+213.8=614.9mm

Technology demonstrated	Variety	No. of Demo.	Area (ha)	Demos. yield (q/ha)			Local check	% Increase in yield
				Average	High	Low		
Variety, seed treatment INM, IPM	RT-351	47	18.80	4.85	6.0	5.25	4.0	21.25

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
Demo. (RT-351)	23935	38800	14865	1.62	This variety performed excellent
Local check	22000	32000	10000	1.45	

RESULTS OF FLD BAJRA KHARIF, 2018

Crop Sequence	-	Mustard–Sesame, Wheat-Sesame
Irrigated/rainfed	-	Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (June-Sept.)	-	84.5+202.3+114.3+213.8=614.9mm

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check ()	
Weed & Nutrient Management	HHB-226	25	10	24.5	20.5	19.51

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
NPKZn (125:60:30:25) +1.5 ton city compost + Bio-fertilizer	28950	62125	33175	2.15	Balanced fertilizer gave better result than unbalanced fertilizer application
NPKZn (60:25:0:0)	25400	51175	25775	2.01	

RESULT OF FLD CLUSTER BEAN KHARIF, 2018

Crop Sequence	-	Mustard–Sesame, Wheat-Sesame
Irrigated/rainfed	-	Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (June-Sept.)	-	84.5+202.3+114.3+213.8=614.9mm

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check ()	
Varietal, seed Treatment, Nutrient management	HG-2-20	14	8	10.25	8.50	20.59

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
HG-2-20	24890	45100	20210	1.81	This variety performed better in terms of growth & yield
HG-365	22850	37400	14550	1.63	

RESULTS OF FLD COTTON KHARIF 2018

Crop Sequence	-	Mustard–Sesame, Wheat-Sesame
Irrigated/rainfed-		Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (June-Sept.)	-	84.5+202.3+114.3+213.8=614.9mm

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Varietal, IPM, Nutrient management	Rassi -602	10	4	15.50	13.75	12.73

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
Rassi -602	43252	80600	37348	1.86	Farmers were satisfied with the performance of this variety
L.Check	38957	68900	29943	1.76	

RESULTS OF CFLD CHICK PEA RABI, 2018-2019

Crop Sequence	-	Mustard –Sesame,Wheat-Sesame
Irrigated/rainfed	-	Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (Oct.to March)	-	0+3+0.3+13.8+8.3+6.3=31.7mm

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Varietal, Seed Treatment ,IPM, Weed management	CSJ-515	53	30	17.75	14.00	26.78

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
CSJ-515	33725	82005	48280	2.43	Farmers were satisfied with the performance of this variety
Check	29625	64680	33055	2.18	

RESULTS OF CFLD MUSTARD RABI, 2018-2019

Crop Sequence	-	Mustard –Sesame, Wheat-Sesame
Irrigated/rainfed	-	Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (Oct.to March)	-	0+3+0.3+13.8+8.3+6.3=31.7mm

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Varietal, seed Treatment, IPM, Weed management	DRMRIJ-31	71	28.4	25	21.50	16.27
Varietal, seed Treatment, IPM, Weed management	DRMRIJ-31	19	11.60	24.85	21.00	18.28

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
DRMRIJ-31	36520	104958	68438	2.87	Farmers appreciated the performance of this variety in terms of growth & yield
Local Check	33252	90300	57048	2.71	
DRMRIJ-31	36520	104328	67808	2.85	
Local Check	33252	88200	54948	2.65	

RESULTS OF FLD WHEAT RABI, 2018-2019

Crop Sequence	-	Mustard –Sesame, Wheat-Sesame
Irrigated/rainfed	-	Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (Oct.to March)	-	0+3+0.3+13.8+8.3+6.3=31.7mm

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Varietal, seed Treatment, Nutrient management, Weed management	HD-2967	20	8	59.50	53.0	12.26

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
HD-2967	54990	134480	79490	2.45	This variety performed excellent in terms of growth & yield
Local check	53260	119520	66260	2.24	

RESULTS OF FLD BARLEY RABI, 2018-2019

Crop Sequence	-	Mustard –Sesame, Wheat-Sesame
Irrigated/rainfed	-	Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (Oct.to March)	-	0+3+0.3+13.8+8.3+6.3=31.7mm

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Varietal, seed Treatment, Nutrient management, Weed management	RD-2907	11	4.4	55.22	51.75	6.7

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
RD-2907	44602	99517	54915	2.23	Farmers were satisfied with performance of this variety
Check	42415	92920	50506	2.19	

RESULTS OF CFLD SUMMER MOONG, 2019

Crop Sequence - **Mustard –Sesame,Wheat-Sesame**
Irrigated/rainfed - **Irrigated**
Soil Type - **Loamy sand**
Soil status - **Low NPK**

Technology demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Varietal, IPM, Weed management	MH-421	24	10.00	9.50	8.25	15.15

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
Demo.	30842	66500	35658	2.15	One time pricking is liked by farmers
Local Check	29037	57750	28713	1.99	

RESULTS OF FLD MARIGOLD KHARIF, 2018

Crop Sequence	-	Wheat-Marigold
Irrigated/rainfed	-	Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (June-Sept.)	-	84.5+202.3+114.3+213.8=614.9mm

Technology Demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Variety, pinching and IPM	Pusa Narangi	10	2.0	180	160	12.5

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
Demo. (Pusa Narangi)	60000	360000	300000	6.0	Pusa Narangi performs better than Pusa Basanti
Local Check	60000	320000	240000	5.30	

RESULTS OF FLD CARROT KHARIF, 2018

Crop Sequence	-	Wheat- Carrot, Mustard-Carrot
Irrigated/rainfed-		Irrigated
Soil Type	-	Loamy sand
Soil status	-	Low NPK
Seasonal rainfall (June-Sept.)	-	84.5+202.3+114.3+213.8=614.9mm

Technology Demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Sowing time, seed rate & INM	Pusa Vrishti	25	2.5	200	180	11.12

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
Demo. (Pusa Vrishti)	60000	200000	140000	3.33	Pusa Vrishti performs better and 92 days taken to digging
Check	60000	180000	120000	3.0	

Results of FLD Onion Rabi , 2018-19

Crop Sequence - **Bajra - Onion**
Irrigated/rainfed - **Irrigated**
Soil Type - **Loamy sand**
Soil status - **Low NPK**
Seasonal rainfall - **0+3+0.3+13.8+8.3+6.3=31.7mm**
(Oct.to March)

Technology Demonstrated	Variety	No. of Demo	Area (ha)	Average yield (q/ha)		% Increase in yield
				Demo	Check	
Seed rate ,JNM, IWM, IPM	Pusa Ridhi	10	1.0	300	280	7.14

Particulars	Average cost of cultivation (Rs./ha)	Average Gross Return (Rs./ha)	Net return (Rs./ha)	Benefit-cost ratio	Farmers Reaction
Demo. (Pusa Ridhi)	80000	240000	160000	3.00	Pusa Ridhi performed better
Check	80000	224000	144000	2.80	