

KVK, Rewari

Front Line Demonstrations 2022 (Summary)

FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
2			
Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement
100	99.2	240	237

Cluster Frontline Demonstrations

Particulars		Crop 1 Mustard	Crop 2 Sesame	Crop 3 Chick pea	Crop 4 Green Gram
Area	ha	50	30	10	10
Demonstrations	No	125	75	25	25
Farmers	No	125	70	24	24
Technology/ Variety		RH 725, Seed treatment, Nutrient management, Weed management & insect-pest management	RT-351, Seed treatment, Weed management & Bihar hairy catter piller management	CSJ-515, Seed treatment, Weed management & Gram pod borer management	MH-421, Seed treatment, Weed management & insect-pest management
Maximum Yield	Kg/ha	2560	700	1325	825
Minimum Yield	Kg/ha	2120	300	850	650
Yield (kg/ha)	Demo	2310	427	1003	760
	Local	2060	250	800	625
Gross Return (Rs/ha)	Demo	124740	51240	61685	44460
	Local	111240	30000	49200	36563
Net Return (Rs/ha)	Demo	85252	23125	29130	12710
	Local	71477	3625	18845	5763
B: C Ratio	Demo	3.15	1.82	1.89	1.40
	Local	2.79	1.13	1.62	1.18
Feedback	1	Incidence of stem rot diseases was less in comparison to local check variety	Variety RT-351 perform better than HT-1	More no. of seeds per pod was observed by the farmers	Root rot disease incidence reported at few locations
	2	No. of grains/siliqua and siliqua length were higher than control	Infestation of Bihar hairy catter-pillar was reported	Very low incidence wilt diseases was observed	No. of grains/pod was higher than control

Frontline Demonstrations

Particulars	Units	Crop 5 Wheat	Crop 6 Barley	Crop 7 Pearl millet	Crop 8 Marigold
Area	ha	12	2.8	12	02
Demonstrations	No	30	7	30	10
Farmers	No	30	7	30	10
Technology/ Variety		DBW-187, Seed treatment, Nutrient management, Weed management & IPM	DWRB-137, Seed treatment, Nutrient management, Weed management & IPM	Integrated nutrient management, Weed management	Pusa deep variety, Seed treatment, Nutrient management, Weed management & IPM
Maximum Yield	Kg/ha	5650	6050	2950	22000
Minimum Yield	Kg/ha	5020	4650	2565	20700
Yield (kg/ha)	Demo	5470	5119	2625	21000
	Local	4840	4500	2430	19000
Gross Return (Rs/ha)	Demo	134375	127065	67867	1050000
	Local	119220	111825	62925	760000
Net Return (Rs/ha)	Demo	81475	79003	35650	750000
	Local	67383	65513	29238	510000
B: C Ratio	Demo	2.54	2.64	2.11	3.50
	Local	2.30	2.40	1.87	3.04
Feedback	1	No. of grins/spike and spike length were more than farmers practice	Farmers were satisfied with performance of DWRB-137 variety	No. of grins/ear head and ear head length were more than farmers practice	Variety performed better in respect to branches and flowers per plant
	2	Early maturity due to rise in temp. resulted in low yield	No. of grins/spike were higher than farmers practice	Bold grain size than control	Incidence of blight diseases was less

Frontline Demonstrations

Particulars	Units	Crop 7 Carrot	Crop 8 Onion
Area	ha	2	2
Demonstrations	No	10	10
Farmers	No	10	10
Technology/ Variety		Pusa Rudhira, Sowing time, Sowing method, & (Bed sowing), INM	NHRDF Red-4, sowing time & nursery management, transplanting balance use of fertilizer, IPM
Maximum Yield	Kg/ha	37000	44000
Minimum Yield	Kg/ha	31000	34500
Yield (kg/ha)	Demo	34000	38500
	Local	29100	32000
Gross Return (Rs/ha)	Demo	510000	385000
	Local	436500	320000
Net Return (Rs/ha)	Demo	350000	235000
	Local	286500	180000
B: C Ratio	Demo	3.19	2.57
	Local	2.90	2.20
Feedback	1	Variety performed better in terms of yield	High yield with uniform bulb size
	2		No Bolting in demonstrated variety