

## Cluster Frontline Demonstration on Oilseeds (2017-18)

Cluster Frontline Demonstration was conducted on Oilseed crops during *kharif*, *rabi* and *Summer* of 2017-18 by the KVKs of Zone V. In *kharif*, groundnut, sesame and niger were demonstrated in 850 ha. Groundnut was demonstrated in Odisha and West Bengal for an area of 640 ha during *kharif*. The groundnut is emerging as a leading oilseed crop in Odisha and West Bengal with a boost from improved varieties like AK-12-24, Kadri-6, TG-37-A, TPG-41 and technologies like seed treatment, line sowing, IPM and INM. The productivity increased upto 17q/ha in oilseeds and 19q/ha in West Bengal with adopting of new technologies. In Odisha during *kharif* groundnut CFLD demonstration it was observed that the average demonstrated yield was 31.79% more than local check whereas in West Bengal it is 27.54% more than local check. Sesame was covered an area of 130 ha in Odisha and 40 ha in West Bengal during *kharif* season and the increased yield percentage of these states are 41.11 and 31.41 respectively. Another Oilseed crop Niger was demonstrated in two KVKs of Odisha in 40 ha area. The increase in average demonstration yield was in the range of 40-45%.

### Cluster Frontline Demonstration on Kharif Oilseeds during 2017-18

Name of crop	State	Target of FLD approved		Achievements of FLD		Yield (qt/ha)		Increase %	Difference in yield (qt/ha)
		No. of Demo	Area (ha)	No. of Demo	Area (ha)	Demo field	Local		
Groundnut	Odisha	1175	470	969	470	16.87	12.80	31.79	4.07
	West Bengal	475	190	601	170	18.71	14.67	27.54	4.04
Sesame	Odisha	325	130	304	130	6.35	4.5	41.11	1.85
	West Bengal	100	40	131	40	10.25	7.8	31.41	2.45
Niger	Odisha	100	40	99	40	4.95	3.5	41.42	1.45
<b>Total</b>		<b>2175</b>	<b>870</b>	<b>2104</b>	<b>850</b>				



In *rabi* 2017-18, groundnut, sesame, Linseed, rapeseed and mustard and were demonstrated by the KVKs of Odisha and West Bengal for an area of 1400 ha. Groundnut, sesame and sunflower were demonstrated in Odisha only. The yield increase in groundnut was in the range of 25-30% whereas for sesame the average yield increase was 20-25% and for sunflower it was 30-35%. In rapeseed and mustard, the KVKs of Odisha reported 33.46% increase in demonstration yield over local check, 37.75% in West Bengal. In Linseed, 40-45% higher yield was observed over local check in West Bengal. The yield component was in the range of 1.1 to 4.2 q/ha over the farmers produced in these *rabi* oilseeds which has increased 21.56 to 43.67 in terms of percentage.

## Cluster Frontline Demonstration on Rabi Oilseeds during 2017-18

Name of crop	State	Target of FLD approved		Achievements of FLD		Yield (qt/ha)		Increase %	Difference in yield (qt/ha)
		No. of Demo	Area (ha)	No. of Demo	Area (ha)	Demo field	Local		
Groundnut	Odisha	1625	650	1425	570	19.79	15.59	26.94	4.2
Sesame	Odisha	425	170	50	20	6.2	5.1	21.56	1.1
Sunflower	Odisha	250	100	200	80	14.3	10.7	33.64	3.6
Rapeseed & Mustard	Odisha	525	210	525	210	6.94	5.2	33.46	1.74
	West Bengal	1000	400	1432	400	13.5	9.8	37.75	3.7
Linseed	West Bengal	300	120	365	120	9.08	6.32	43.67	2.76
<b>Total</b>		<b>4125</b>	<b>1650</b>	<b>3997</b>	<b>1400</b>				



Clustered frontline demonstration was also conducted during summer 2018 for an area of 790 ha. The crops identified were sesame, sunflower and groundnut. Groundnut was demonstrated in 150 ha in Odisha and 120 ha in West Bengal whereas sesame and sunflower were demonstrated in Odisha in 110 ha and 10 ha respectively. In West Bengal sunflower was demonstrated in 340 ha and 20 ha area respectively.

## Cluster Frontline Demonstration on Summer Oilseeds during 2017-18

Name of crop	State	Target of FLD approved		Achievements of FLD	
		No. of Demo	Area (ha)	No. of Demo	Area (ha)
Groundnut	Odisha	200	80	375	150
	West Bengal	200	80	300	120
Sesame	Odisha	75	30	275	110
	West Bengal	850	340	850	340
Sunflower	Odisha	125	50	25	10
	West Bengal	50	20	50	20
<b>Total</b>		<b>1500</b>	<b>600</b>	<b>1975</b>	<b>790</b>