



Research Article

## Impact of front line demonstration of oilseed crops in transfer of improved technology in India

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**SUMMARY :** Oilseed crops have been the backbone of agricultural economy of India from time immemorial. Oilseeds are the main source of raw materials for vegetable oils. They are essential components of human diet and are rich source of energy and earners of fat soluble vitamins A, D, E and K. The productivity of oilseed crop in the district is low (7 q/ha) as farmers are growing these crops in marginal area and due to non-adoption of improved package of practices, therefore, efforts have been made through Front Line Demonstrations to introduce new high yielding varieties of these crops to demonstrate improved production technologies to increase productivity of oilseed crops in the district. The objectives of front line demonstration on oilseed crops were to demonstrate the superior productivity potentials of various location/region specific technologies to practicing farmers and test their implement ability and viability and obtain feedback from the end users. Krishi Vigyan Kendra, Kathua conducted front line demonstration on oilseed crops viz., Gobhi Sarson and Toria during 2009-10 and 2010-11. In all 31 demonstrations were conducted on farmer's field in different blocks of Kathua district. The results of front line demonstrations on oilseeds showed that in Rabi 2009, the varieties of Toria RSPT-2 gave 74.07%, RSPT-1 gave 70.80% and T-9 gave 62.96% increase in yield over local variety, whereas in Rabi, 2010 the varieties of Toria RSPT-2 and T-9 gave 89.09% and 67.27% increase in yield over the local variety. In Rabi 2009 and 2010, the variety of Gobhi Sarson DGS-1 gave 78.85% and 86.66% increase in yield over local variety. By conducting front line demonstrations of proven technologies, yield potential and net income from oilseed cultivation can be enhanced to a great extent with increase in the income level of the stakeholders.

**KEY WORDS :**

Impact, Oilseed crops, Front line demonstration, Technology

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