

Cluster Frontline Demonstration (CFLD) On Oilseeds

Cluster frontline demonstration on oilseeds is a unique approach under the National Food Security Mission to make India self-sufficient in oil production. The project has been started since 2015-16. Cluster Frontline Demonstration on Oilseeds is a significant step by DAC & FW, GOI to demonstrate newly released crop production and protection technologies on various oilseed crops. These technologies include seed treatment, application of biofertilizer, integrated nutrient management, Integrated pest management, line sowing, weed management, irrigation management etc. Cluster frontline Demonstration on Oilseeds was conducted on Groundnut, Rapeseed and Mustard, Sesame, Soybean, Sunflower and Niger by the KVKs of Maharashtra, Gujarat and Goa under the supervision of ICAR-ATARI Pune.

Objectives:

- ❖ The main objective of Cluster Front-Line Demonstrations is to demonstrate newly released crop production and protection technologies and its management practices in the farmers' field under different agro-climatic regions and farming situations.
- ❖ While demonstrating the technologies in the farmers' field, the scientist to study the factors contributing higher crop production, field constraints of production and thereby generate production data and feedback information.
- ❖ The field demonstrations conducted under the close supervision of scientists of the KVKs, because the technologies are demonstrated for the first time by the scientists themselves before being fed into the main extension system of the State Department of Agriculture.

Salient features of CFLD Oilseeds:

- ❖ Cluster Frontline Demonstrations are conducted under the close supervision of the scientists of the KVKs of ICAR Institute and State Agricultural Universities.
- ❖ Only newly released technologies or those likely to be released in near future are selected for the Cluster Front-Line Demonstrations.
- ❖ Only critical inputs are provided from the scheme budget, remaining inputs are supplied by the farmers themselves.
- ❖ Cluster Front-Line Demonstrations are used as a source of generating data on factors contributing higher crop yields and constraints of production under various farming situation.

Achievements:

Cluster Frontline Demonstrations of Oilseeds under NFSM are being implemented to enhance the oilseeds production in 75 KVKs of Maharashtra, Gujarat & Goa state in year 2022-23.

- ❖ A total of 7342 cluster frontline demonstrations were implemented in an area of 2978 ha, out of targeted 8100 CFLDs (3240 ha.) in Maharashtra, Gujarat and Goa during 2022-23.
- ❖ During Kharif Season a total of 4302 CFLDs were conducted on four oilseeds crops viz., groundnut, sesame, soybean and castor in an area of 1758 ha, out of targeted 4675 CFLDs (1870 ha.) covering 3 states Maharashtra, Gujarat and Goa.
- ❖ In Rabi Season 2022 a total of 1340 CFLDs were conducted on five oilseed crops viz rapeseed and mustard, linseed, sunflower, groundnut and safflower in an area of 540 ha, out of targeted 1450 CFLDs (580ha.) covering two states Maharashtra and Gujarat.
- ❖ A total of 1700 CFLDs were conducted on two oilseed crops viz., groundnut and sesame in an area of 680 ha, out of targeted 1975 CFLDs (790 ha.) covering two states Maharashtra and Gujarat in summer season.

