

Proceedings of National Seminar on “Technologies for Enhancing Oilseeds Production through NMOOP”

A National Seminar on “Technologies for Enhancing Oilseeds Production through NMOOP” jointly organized by Department of Agriculture & Cooperation, Government of India, New Delhi and ICAR-Indian Institute of Oilseeds Research, Rajendranagar, Hyderabad at Hyderabad during January 18-19, 2015. Dr. K.S. Varaprasad, Project Director, IIOR welcomed the dignitaries and delegates. The inaugural session was presided by Dr. M.V. Rao, Ex-Spl. Director General, ICAR and Ex-Vice-Chancellor, ANGRAU.



Dr. S. Ayyappan, Secretary, DARE & Director, General, ICAR in his opening remarks lauded the efforts of oilseed researches and technologies in increasing oilseeds production and its utilization. He emphasized that demand driven innovations in oilseed sector is need of the hour. Suitable innovative approaches are essential to increase oilseed production and productivity. Identifying districts having high productivity and implementing the latest technologies in these districts on mission mode approach will enhance the oilseed production according to him. Marching towards Swasth Bharat through healthy oilseeds/oil should be the goal for future. Dr. David Bergvinson, DG, ICRISAT in his remarks said that market driven research, enhanced mechanization and exploring market opportunities will play key role in improving oilseeds production. He opined that best management practices with farmers participation is essential.

Other eminent Experts like Dr. S.K. Datta, DDG (CS), ICAR; Dr. J.S. Sandhu, Agril. Commissioner, GOI; Dr. A. Padma Raju, VC, ANGRAU; Dr. V. Praveen Rao, Spl. Officer & Registrar, PJTSAU; Sri K. Madhusudhan Rao, IAS, Commissioner & Director of Agriculture, Government of Andhra Pradesh also highlighted various issues related to oilseed production and productivity as well as technologies with an emphasis on mechanization and adoption of micro-irrigation system in oilseeds on a massive scale. Four publications related to oilseeds research and development brought out by DAC & IIOR were released on this occasion. Dr. Anupam Barik, ADC (OS), DAC, New Delhi proposed the vote of thanks.



On this occasion, an oilseeds “Crop Cafeteria” was inaugurated by Dr. S. Ayyappan, Secretary, DARE & DG, ICAR at IIOR premises which showcased latest varieties/hybrids in groundnut (JCG-88, SG-99, AK-265, Dharani, Narayani, ICGV-00350, ICGV-00351, ICGV-9114, TAG-24), rapeseed-mustard (NRCHB-101, NRCDR-02, DRMR-IJ-31, NRCDR-601), soybean (JS-95-60, JS-93-05, JS-20-34, DSB-21, DSB-19),

sunflower (KBSH-44, KBSH-53, PSH-996, RSFH 130, DRSH-1), castor (GCH-7, YRCH-1, PCH-111, DCH-177, DCH-519, DCS-107), safflower (PBNS-12, SSF-708, NRI-H-15, NARI-H-23, JSI-99), niger (Utkal-150, Pooja, JNS-9, IGPN-2004-1) and linseed (Padmini, Suyog, Sharda, Indira Alsi-32, RLC-92) as well as important oilseed based cropping systems (Sunflower + Groundnut 2:5; Sunflower + Soybean 2:5; Castor + Groundnut 1:5 and Safflower + Chickpea 2:5); land configuration systems (polymulch, broad bed furrow, paired-row cropping) and micro-irrigation systems (drip, sprinkler, rain gun).

Dr. J.S. Sandhu, Agril. Commissioner, GOI inaugurated the exhibition stalls at the Seminar venue depicting various technologies developed by different oilseed institutes viz., IIOR, Hyderabad; DSR, Indore; DRMR, Bharatpur; DGR, Junagadh; UAS, Raichur; ANGRAU; PJTSAU; CRIDA; CSIR-IICT; AP Agros and Jain Irrigation. State Department of Agriculture of Andhra Pradesh & Telangana have demonstrated oilseed technologies under NMOOP. Details of assistance available for farmers under NMOOP were displayed by Directorate of Oilseeds Development, DAC.



Inaugural Session was followed by four technical sessions viz., (i) Research Strategies for Promotion of Oilseeds; (ii) Development Efforts on Oilseeds Cultivation; (iii) Commercial Use of Oilseeds and (iv) Good Agricultural Practices and Farmers' Interaction. Eminent subject-matter-specialists have delivered lectures for the benefit of oilseed stakeholders on technologies and strategies for enhancing oilseeds production in the country.

The Directors of Agriculture of different states; Central Seed Agencies like NSC, KRIBHCO, NAFED, HIL, IFFDC, SFAC, SEA, IOPEPC, State Seed Corporations, officials of State Department of Agriculture, and non-government agencies, Scientists from different AICRP centers and representatives from KVKs have participated in the National Seminar. In addition to above, about 1000 farmers are also visited the Crop Cafeteria and Exhibition stalls during the period of Seminar and benefitted with the latest technologies of oilseeds.



The Plenary Session of the above seminar was graced by Sri Avinash K. Srivastava, Addl. Secretary, Dept. of Agriculture & Cooperation, New Delhi as Chairman and Dr. B.B. Singh, Asst. Director General (OP), ICAR, New Delhi as Co-Chairman.



Action points emerged from the two-days deliberations are summarized as under:

- Demonstration of proven production technologies in an integrated manner in selected high spread-low productive and low spread-high productive districts for enhancing the production and productivity of oilseeds. Though, the average yield gap of > 50% may not be realizable, but, atleast 50-100 kg/ha yield may be increased in case of almost all the oilseed crops.
- Monitoring of seed production chain and rolling plan for effective replacement of varieties, confirmation/commitment from the Central/state governments for procurement of quantity of seed indented by them and continuation of ongoing assistance on production and supply of seed of oilseed crops.
- North Eastern Region, holds larger scope for area expansion under oilseeds in rice fallows in rabi season and deserves for larger support both for production and development of marketing and processing infrastructure.

- Organizing structured discussions among DAC, oil industry, research institutions of ICAR & CSIR dealing with oils and fats.
- Mechanization, use of micro-irrigation and water carrying pipes deserves enhanced support with liberal assistance to the farmers.
- States, which have lower than National average yield of oilseed crops, may examine the factors attributing to low yield and prepare road maps for improving the productivity of oilseeds.
- The soybean growing states may organize the offseason seed production of soybean in Southern states like AP, Karnataka, and Tamil Nadu and also Maharashtra during summer.
- Identification of hot-spots for aflatoxin and special export zones in major groundnut growing states like Gujarat and Andhra Pradesh for minimizing aflatoxin contamination and to boost export.
- Enhancement of MSP of oilseeds commensurate with increase in MSP of wheat and rice with assured procurement.
- States may expedite the proposals for need based adaptive research through their SAUs/institutions of ICAR located in the States.
- Documentation of improved packages of practices on oilseeds in regional languages by the states and its wider distribution.
- Integration with the industry on PPP mode for seed production, technology transfer and output marketing.
- All the stakeholders should visit the website www.nmoop.gov.in regularly for getting them updated and provide their feedback.
- Due emphasis needs to be given for micro-nutrients use based on soil test for sulphur, zinc and boron in all oilseed growing regions and cropping systems. Encourage and support soil testing facilities for all oilseed growing regions of the country.
- Development of climate resilient and resource efficient technologies for changing climatic scenario.
