ICAR-Indian Institute of Rapeseed-Mustard Research
Bharatpur

Dr. M. L. Jat, Secretary (DARE) and DG (ICAR) Inaugurated Brassica Speed Breeding Centre

Four crop generations will be produced per year from the Speed Breeding Facility Under the much-awaited genome editing project launched by the Indian Council of Agricultural Research (ICAR) for various crops including rapeseed-mustard, all the research institutes of the country are being empowered. In this series, a state-of-the-art 'Speed Breeding Facility Center' has been established at the Indian Institute of Rapeseed-Mustard Research, Bharatpur. Which was inaugurated by Dr. M. L. Jat, Secretary (DARE) and Director General, ICAR, New Delhi yesterday on 1 July 2025

Addressing the scientists, officers and employees on this occasion, Dr. Jat said that the Indian Council of Agricultural Research is committed to agricultural development to fulfill the Prime Minister's dream of Viksit Bharat by 2047. Mustard research will get a new dimension from the 'Speed Breeding Center' in Bharatpur. Today, the country is self-sufficient in food grains and mustard crop will play an important role in making the country self-sufficient in edible oils. To achieve this target, the average productivity of mustard will have to be 20 quintals per hectare by 2030. He called upon the scientists that to achieve this target, research will have to be done on the problems in mustard production; there is a need for convergence and all the scientists and institutions will have to work in better mutual coordination. Resources should be used efficiently. He urged the scientists to make an action plan for the North Eastern states to increase the area of rapeseed-mustard, so that the farmers get real benefits.

On this occasion, Dr. D.K. Yadav, Deputy Director General (Crop Science), ICAR, while appreciating the achievements of the institute, urged the mustard scientists that along with the development of high productivity varieties of mustard, there is also a need for in-depth research on problems like orobanchae and stem rot in mustard.

On this occasion, Dr. Sanjeev Gupta, Assistant Director General (Oilseeds and Pulses), ICAR, emphasized the need to increase the oil content in mustard and develop early maturing varieties.

On this occasion, the Director of the Institute, Dr. Vijay Veer Singh, welcomed all the guests and gave a presentation about the work and achievements of the Institute. Dr. Singh said that the facility of 'Speed Breeding Center' will prove helpful in the rapid development of improved varieties of mustard. This technology accelerates crop growth by controlling environmental factors like temperature, day length and light intensity. He said that "Now scientists will be able to develop new varieties quickly by taking three

crops in a year, so that better technologies can reach the farmers quickly." Dr. Singh said that "Speed breeding technology is a big step towards new generation farming. With this, disease resistant, high yielding and quality varieties can be developed at a fast pace through genome editing." He also informed that this facility will serve as a model for mustard research at the national level and it is the first such facility for mustard developed by Indian Council of Agricultural Research, New Delhi. Under this project, development of new generation varieties resistant to major parasitic weeds like Orobanchae as well as having higher productivity, disease-resistance and quality will be taken up on priority basis. This initiative will prove to be an important milestone towards making the country self-sufficient in oilseed production.

Dr. P.K. Rai, Director, NIBSM, Raipur and Shri Deshraj Singh, Additional Director, Department of Agriculture, Bharatpur Division were also present on the occasion.

On this occasion, FSSAI and Trade Mark Certificates for oil production of the Institute and publications were released by Dr. M.L. Jat and guests. Plantation was done by all the guests at the Institute.

The program was coordinated by Principal Scientist Dr. Ramswaroop Jat


ICAR-INDIAN INSTITUTE OF RAPESEED-MUSTARD RESEARCH
Bharatpur
SPEED BREEDING FACILITY
Inaugurated by
Dr. MANGI LAL JAT
Secretary, DARE/ DG
&
Director General, ICAR
on Tuesday, 01 July 2025
in the gracious presence of
Dr. DEVENDRA KUMAR YADAVA
Deputy Director General (Crop Science), ICAR
Established under the ICAR project
"Enhancing Climate Resilience and Ensuring Food Security
with Genome Editing Tool"
Dr. Sanjeev Gupta


कृपया अपना
मोबाईल बन्द
रखें


Welcome You
Speed Breeding Facility
Bisleri