

1/22 In the context of GM mustard DMH-11 scientific consent
3 should determine availability of products to farmers & consumers. Analyse.

The GEAC Genetic engineering approval committee recommended environmental release of DMH-11 dhara mustard hybrid-11 variety. It has to be approved by the forest ministry for commercial cultivation.

Seeds of hope

The genetically modified mustard has gone through series of tests before getting approval. The benefits include:

1. Economical the GM mustard can address the edible oil import. We imported \$0,000 crore worth of edible oil in 2021 and 55-60% is being imported. The DMH-11 can improve the oil production domestically.

2. Resilient crops can be made that can withstand environmental stress. The recent heat

were - incident decreased yields of wheat and mustard.

3. Improve nutrition content to address hidden hunger.

Scientific consent is the key

As agriculture is state subject the future of GM foods survives in India.

The regulations for genetically modified crops are quite multi disciplinary.

→ The Environment protection act determines safety before release of GM crops

2. The Food safety and standards act monitor

GM foods.

The regulators can include technologies such as transgenic, varietal, genome sequencing and SDN site directed nucleases and CRISPR.

A robust way forward in choosing the right technology supported by regulations can improve the GM footprint in the country.