

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURAL RESEARCH & EDUCATION

RAJYA SABHA  
UNSTARRED QUESTION NO. 1928  
ANSWERED ON- 17/03/2023

**INDUSTRIAL APPLICATION OF RESEARCH FINDINGS OF DARE**

1928 **SMT. SANGEETA YADAV:**

Will the Minister of *Agriculture and Farmers Welfare* be pleased to state:

- (a) the details of industrial application of research findings of the Department of Agriculture Research and Education (DARE);
- (b) the state of industrial application of different findings in the field of agriculture research in the last five years, along with the findings in brief;
- (c) the manner in which such industrial application, if any, is percolating to the common farmers and rural entrepreneurs;
- (d) whether there is any finding that is useful for women folk in particular; and
- (e) if so, the details thereof?

**ANSWER**

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE  
(SHRI NARENDRA SINGH TOMAR)

**(a) to (c):** The various technologies/equipments/machines/ varieties etc., developed for mechanization for different purposes relating to agriculture are being licensed/ commercialized to manufacturers for its production. 130 technologies/machines have been commercialized. Some of important such technology/machines are as under:

- i. 250 manufactures for Punjab Agricultural University (PAU) Seed drill” and 19,00,000 units, 114 manufactures for “Pantnagar no- till drill” and 1,50,000 units and 25 manufactures for “PAU Happy Seeder” and 12000 units are in use.
- ii. 5 manufactures for “Tamil Nadu Agricultural University (TNAU) paddy drum seeder” and 1,06,000 units and 3 manufactures for “Central Institute of Agriculture Engineering (CIAE) seed drill and planter” and 20,200 units are in use.
- iii. 350 manufactures for “Multi crop thresher” and 11,90,000 units, 90 manufactures for paddy thresher and 2,89,000 units are in use and
- iv. 10 manufacturers for “High capacity thresher” and 9000 units, 32 manufacturers for ‘PKV Dal mill” and 9500 units and 10 manufacturers for “CIAE Soy processing unit” and 3615 units are in use.

Developed technologies are disseminated/percolated through 731 KVKs, 50 Agri Business Incubation (ABI) and All India Coordinated Research Projects (AICRPs) across the country.

**(d) and (e):** Yes Sir, Findings & technologies developed by the institutes are mostly gender neutral and is useful for women too. Indian Council of Agricultural Research (ICAR) Institutes provides demonstrations and hands on trainings to women and Self Help Groups in mechanization, post-harvest processing and value addition of agricultural produce to encourage them to use technologies developed by the Institutes.

The fisheries and aquaculture technologies are developed for fisherfolk/ fish farmers including women. However several technologies such as mariculture, inland cage/pen culture, seaweed farming, fish curing, processing, fish preservation, smoking etc are exclusively for women