

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

UNSTARRED QUESTION NO:965

ANSWERED ON:08.12.2003

DEVELOPMENT OF NEW SEEDS IN RESEARCH LABORATORIES

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Will the Minister of AGRICULTURE be pleased to state:

(a) whether to increase the production and quality of various varieties of wheat, cotton, sugarcane, paddy, pulses and oil seeds, new varieties of seeds have been developed in research Laboratories during the last three years;

(b) if so, the details of the seeds developed grain-wise;

(c) the productivity and quality thereof and their use in Agriculture sector; and

(d) the efforts made to popularise these developed seeds among the farmers?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HUKUMDEO NARAYAN YADAV)

(a) Yes, Sir.

(b) In the last three years more than six varieties of wheat, five of cotton, eight of sugarcane, thirteen of paddy, nineteen of pulses and twenty eight of oilseeds have been developed. Crop-wise some prominent varieties are as follows:

Wheat : HD-2733, Malviya wheat-510, Kaushambi, Aditya, GW-322.Cotton : Sumangala, Pratima, Bunny, ADCH-1.Sugarcane : Shyama, Gandak, Rashbhari, Rashmi, Jalpari, Rachana.Paddy : Vivek Dhan 62, HR1- 120, Anjali, Pusa Sugandh-2, KRH-2Pulses : Chickpea : SAK 9516, GCP 105; Pigeonpea : Pusa 992Moongbean: PBM2, Vishal, Ganga-8.Oilseeds : Rapeseed-Mustard : Aravali, Swarnjyoti, Vasundhara; Soybean : Ahilya, Parbhani Sona, MPUS 61; Groundnut :VR1 Gn 6.

(c) The productivity of new varieties is 10-15% higher than the existing varieties. Productivity of wheat varieties range from 4 to 5t/ha, rice 5 to 6t/ha, pulses and oilseeds 2.5 to 3t/ha, cotton 2.5 to 3t/ha and sugarcane 70 to 75t/ha. Some varieties have better quality of grain. For example the rice hybrid HR1-120 has superior grain quality and cotton hybrid Sumangala has better quality of fibre.

(d) For popularization of new varieties Frontline Demonstrations are conducted by ICAR in farmers' field.The Ministry of Agriculture and Cooperation also conducts the minikit trials in the farmers' field for popularization of new varieties.