

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

LOK SABHA
UNSTARRED QUESTION NO. 3296
TO BE ANSWERED ON 01/01/2019

NEW VARIETIES OF RICE

3296. SHRIMATI SANTOSH AHLAWAT:

Will the Minister of AGRICULTURE AND FARMERS WELFARE
कृषि और किसान कल्याण मंत्री be pleased to state:

- (a) whether the Government has approved the new varieties of flood and drought-tolerant rice for cultivation in disaster prone areas, if so, the details thereof and the steps taken by the Government for the smooth availability of the new rice varieties;
- (b) whether there is any difference in cost of production between the new varieties and the already available old varieties of rice, if so, the details thereof; and
- (c) the steps taken by the Government to promote the new varieties of flood and drought-tolerant rice?

A N S W E R

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE
कृषि और किसान कल्याण मंत्रालय में राज्य मंत्री
(SHRI GAJENDRA SINGH SHEKHAWAT)

(a) The research efforts of National Agricultural Research System (NARS) comprising Indian Council of Agricultural Research (ICAR), Central Agricultural Universities (CAUs) and State Agricultural Universities (SAUs) have led to development of several flood and drought tolerant varieties of rice which have been released and notified by Central Sub-Committee on Crop Standards, Notification and Release of Varieties for Agricultural Crops (**Annexure-I**).

The ICAR has two nation-wide network projects viz. AICRP-NSP (Crops) and ICAR Seed Project pertinent to quality seed production. AICRP-NSP (Crops) undertakes production of breeder seed which is further multiplied in seed chain in order to supply quality seed to farmers. Whereas, ICAR Seed Project is aimed at strengthening of infrastructure pertinent to seed domain of NARS, thereby promoting production of quality seed and making them available to farmers. Approximately, 1620 quintals breeder seed and 9163 quintals quality seed of flood and drought tolerant varieties of rice have been produced during 2014-15 to 2017-18.

(b) There is no additional cost involved for cultivation of new varieties as compared to old varieties, rather, these varieties are more economical during stress (flood/drought) conditions.

(c) The ICAR along with NARS partners organizes the frontline demonstrations (FLDs) of improved varieties for their promotion. During last three years ~ 2000 frontline demonstrations were conducted and technologies promoted including flood and drought tolerant varieties in different states.

Besides, site visits, kisan melas, farmers' days, seed days, farmers training programmes are also organized to promote the new varieties and generate awareness among the farmers about new technologies including flood and drought tolerant varieties of rice.

Flood and drought tolerant varieties of rice released and notified since May 2014 to till date

Flood/submergence/water logging /deep water tolerance	Drought/moisture stress /low rainfall tolerance
CR Dhan 505; CR Dhan 508; Samba Sub-1; Tanmayee (OR2339-8); CR 1009 Sub 1; Bheema (Dheera) (MTU 1140); CR Dhan 506; CR Dhan 408 (Chakaakhi); CR Dhan 507; CR Dhan 409; CO 43 Sub-1; DRR Dhan 50; Ranjit SUB-1; Bahadur SUB-1; Ashutosh (OR 2331-14); Tripura Jala -1	IR-64 Drt I; Birsa Vikas Dhan 111; Birsa Vikas Dhan 203; Sabour Shree (RAU 724-48-33); Kalachampa; DRR Dhan 44; DRR Dhan 43; ADV 8301 (Hybrid); DRR Dhan 46; JRH 19 (Hybrid); Nandyala Sona (NDLR 7); Daksha (KMP-175); DRR Dhan 47; DRR Dhan 50; CAU-RI; Him Palam Lal Dhan-1 (HPR 2795); Tripura Hakuchuk – 2; Tripura Khara -2; Tripura Khara -1; Tripura Hakuchuk – 1; Tripura Aush; VNR-2111 PLUS (VNR 212); ADT 51 (AD 09367)
