

**GOVERNMENT OF INDIA**  
**MINISTRY OF AGRICULTURE**  
**RAJYA SABHA**  
**QUESTION NO 27.11.2009**  
**ANSWERED ON**

**NEW VARIETY OF PADDY DEVELOPED BY INDIAN SCIENTISTS .**

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Shri A. Elavarasan

Will the Minister of COALCOALAGRICULTURE be pleased to state :-

- (a) whether a new variety of paddy has been developed by scientists of the Indian Council of Agricultural Research (ICAR) which yields 3.5 tonnes per hectare despite being submerged in water for 20 days;
- (b) if so, the details thereof;
- (c) whether ICAR proposes to increase commercial production of this variety of paddy; and
- (d) if so, the details thereof?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND MINISTER OF STATE IN THE  
MINISTRY OF CONSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION

(PROF. K.V. THOMAS)

(a) & (b): A new variety of rice Swarna Sub-1 has been developed under the International Rice Research Institute (IRRI), Philippines and Indian Council of Agricultural Research (ICAR) collaborative research programme. The gene for submergence tolerance (Sub-1) was cloned by IRRI from the Indian flood tolerant variety FR-13-A and was transferred into the popular Indian rice variety Swarna and hence the name of this variety as Swarna Sub-1. This variety produces 3.0 to 3.5 tonnes per hectare under submerged condition for about two weeks.

(c) & (d): Indian Council of Agricultural Research is mandated for the production of breeder seed. The Breeder seed is produced at various ICAR Institutes/State Agricultural Universities based on the indents received from Department of Agriculture and Cooperation (DAC), Govt. of India. As the variety has been formally notified in 2009, indents are expected from next year onwards.