

**GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA**

STARRED QUESTION NO:132

ANSWERED ON:21.08.2012

FARM MECHANISATION

Basheer Shri E. T. Muhammed;Venugopal Shri P.

Will the Minister of AGRICULTURE be pleased to state:

- (a) whether there is a greater need for technological intervention including mechanisation of the farm sector to meet the challenges posed by rising population in the country by 2020;
- (b) if so, the details thereof along with the estimated foodgrains requirement for the said period;
- (c) whether the Government has undertaken research missions to work on integrated farming for increasing the production and productivity of foodgrains in the country; and
- (d) if so, the details and the outcome thereof?

Answer

MINISTER OF THE STATE IN THE MINISTRY OF AGRICULTURE (SHRI SHARAD PAWAR)

(a) to (d): A Statement is laid on the Table of the House.

STATEMENT IN RESPECT OF PARTS (a) to (d) OF LOK SABHA STARRED QUESTION NO. 132 TO BE ANSWERED ON 21/08/2012 REGARDING "FARM MECHANISATION"

(a) & (b): With the steady decline in per capita arable land and water, there is need for location-specific, cost-effective technological interventions suiting soil and climate like High Yield Varieties (HYV), Resource Conservation Technologies (zero tillage, bed planting, laser leveling, System of Rice Intensification (SRI)), integrated soil-water-nutrient management, integrated pest management, integrated watershed management, integrated farming system including agroforestry, abiotic stress management, climate resilient agriculture, conservation agriculture and farm mechanization to ensure food security of the growing population (1.44 b in 2020) that is projected around 280 million tonnes of food grain.

(c) & (d): The council has initiated an AICRP on Development of Integrated Farming System (IFS) models for different agro-ecological zones during Xth Plan, which is being further strengthened during the current Plan to fulfill the production and productivity of food grain in the country. Guidelines for development of IFS models have been prepared and various IFS models have been set up on research farms as well as farmers' fields.