

**GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE
RAJYA SABHA
QUESTION NO 04.12.2009
ANSWERED ON**

IMPACT OF CLIMATE CHANGE ON AGRICULTURE .

1687 Shri D. Raja

Will the Minister of COALCOAL AGRICULTURE be pleased to state :-

- (a) whether Government is aware of the global climate change and the impact of the resultant high temperature on agriculture;
- (b) if so, the likely impact of higher temperature on agriculture, and to what extent the crop yield is expected to be reduced; and
- (c) the measures proposed to be taken to reduce the impact of higher temperature on various aspects of agriculture?

ANSWER

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

(PROF. K.V. THOMAS)

(a):Yes, Sir.

(b):Temperature rise studies, conducted so far by Indian Council of Agricultural Research (ICAR), indicate that rise in temperature in India will affect crops, horticulture, water resources, livestock and fisheries sectors. Studies have also indicated that rise in winter temperature will have negative impact on wheat yield. The cultivation of apples is also shifting to higher elevations in Himachal Pradesh due to rise in temperature. Heat stress will have negative impact on milk yield of livestock. Increased surface sea temperature would cause migration of fish and changes in breeding habitats.

(c):ICAR, Department of Agriculture Research & Education in the Ministry of Agriculture has taken up a National Network Project on Climate Change to conduct research in agriculture and allied sectors for enhancing scientific adaptation and mitigation measures.