

Study on impact of Green Revolution measures

1406. SHRI K.N. BALAGOPAL: Will the Minister of AGRICULTURE be pleased to state:

- (a) whether Government undertook any assessment study on the impact of Green Revolution measures in the country;
- (b) if so, the details thereof;
- (c) whether such studies covered the impacts of extensive use of pesticides and fertilizers on the soil, and on the agriculture as a whole; and
- (d) if so, the details thereof ?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI MOHANBHAI KALYANJIBHAI KUNDARIYA): (a) to (d) The Indian Council of Agricultural Research (ICAR) has assessed the soil health and crop productivity in different soil types under dominant cropping systems on the basis of 'Long-Term Fertilizer Experiments'. The study indicated that continuous use of nitrogenous fertilizer alone resulted in the highest decline in crop yields and also observed deficiencies of other nutrients in soil. Even in NPK fertilized system, the deficiency of micro and secondary nutrients surfaced after few years affecting crop productivity. Only integrated use of optimal dose of NPK and organic manure maintained soil health/quality with higher crop productivity.

There is no report that the fertility of soil has declined owing to judicious use of pesticides. The ICAR is recommending Integrated Pest Management (through a combination of agronomic, chemical and biological methods) to reduce the use of pesticides in the country.

Development of fisheries in Gujarat

1407. SHRI AHMED PATEL: Will the Minister of AGRICULTURE be pleased to state:

- (a) whether Government has taken steps to promote fisheries along the 405 kilometre coastal belt of Kutch region in Gujarat;
- (b) if so, the details thereof; and
- (c) the results achieved therefrom so far ?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (DR. SANJEEV KUMAR BALYAN): (a) to (c) The Department is implementing the

following Schemes to promote fisheries in the country including the 405 kilometre coastal belt of Kutch region in Gujarat:

- (i) Development of Inland Fisheries and Aquaculture.
- (ii) Development of Marine Fisheries, Infrastructure and Post Harvest Operations.
- (iii) Strengthening of Database and Geographical Information System (GIS) of the Fisheries Sector.
- (iv) National Scheme of Welfare of Fishermen.
- (v) National Fisheries Development Board (NFDB).

In addition, State Government Gujarat is also implementing various need based programmes like; Assistance to the fishing vessels for purchasing electrical equipments, life saving equipments, Distress Alert Transmission (DAT), fishing nets, insulated boxes, solar lights, assistance for fish marketing to women, assistance to artisanal fishermen, training to the fishermen and extension services. Fish landing centers are also upgraded by the State Government. The marine fish production during 2007-12 in Kutchh region is as under which shows an increasing trend.

Sl. No.	Year	Marine Fish Production (in MT)
1.	2007-2008	58724
2.	2008-2009	53292
3.	2009-2010	60405
4.	2010-2011	72977
5.	2011-2012	72897

Fishing in coastal area

1408. SHRI KIRANMAY NANDA: Will the Minister of AGRICULTURE be pleased to state:

- (a) whether it is a fact that fishing in coastal areas is slowly reducing every year;
- (b) if so, the reasons therefor;
- (c) whether it is also a fact that fishing is banned for some months by the Government; and