

1	2	3	4	5	6	7	8
28	West Bengal	6.2	-2.4	7.0	-0.7	3.7	2.8
29	A & N islands	0.6	7.7	-3.4	8.7	7.9	4.3
30	Chandigarh	0.6	6.5	9.2	9.5	N.A.	6.5
31	Delhi	-2.8	-0.6	29.3	5.1	5.5	7.3
32	Puducherry	-1.3	47.8	3.4	3.7	3.9	11.5

NA: Not Available.

Note: Annual and average growth rates of GDP of Agriculture & Allied Sectors at 2004-05 prices derived based on CSO data on State-wise Agriculture & Allied Sectors GDP

Decling in productivity of Bt. Cotton

†3886. SHRI RAMCHANDRA PRASAD SINGH:

SHRI RAM JETHMALANI:

Will the Minister of AGRICULTURE be pleased to state:

- (a) whether it is a fact that production of Bt. Cotton is estimated to be low;
- (b) if so, the reasons therefor;
- (c) whether it is also a fact that productivity of Bt. Cotton is also decreasing;
- (d) if so, its productivity in year 2007 and 2011 respectively; and
- (e) the price of seeds of Bt. Cotton in above-mentioned period?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI HARISH RAWAT): (a) and (b) No, Sir. The area under cotton cultivation as well as total cotton production in the country has been showing an increasing trend for the past few years. The percentage share of Bt. cotton in the overall area coverage is on the rise and since the total production of cotton is also showing an increasing trend, the production of Bt. cotton cannot be estimated to be low. The table below shows the figures of increasing trend of area, production and percentage share of Bt. cotton:

†Original notice of the question was received in Hindi.

Year	Area (in lakh ha)		% age share of Bt. cotton to total cotton	Total Cotton production (in lakh bales)
	Bt cotton	Total cotton in 9 Bt. cotton States		
2006-07	33.52	90.55	37.03%	226.32
2007-08	54.72	94.23	58.07%	258.84
2008-09	66.69	92.04	75.80%	222.76
2009-10	85.52	101.15	84.40%	240.22
2010-11	93.36	110.56	84.45%	330.00

Source: Directorate of E&S, Department of Agriculture & Cooperation and Cotton Advisory Board, Ministry of Textile.

(c) and (d) The productivity of Bt. Cotton has been fluctuating over the past few years, due to various factors responsible for production and productivity such as availability of water (*i.e.*, monsoon rainwater, tube well water, canal water) at the time of sowing, agro-climatic conditions both at the time of sowing as also during the growth period, natural calamities like flood and incidences of high temperature, biotic stresses etc. There are state-wise and region-wise variations in productivity of cotton which arise due to different level of irrigation facilities available, irrigation coverage and agronomic practices followed. The productivity in the year 2007-08 was 467 Kg/ha and as per Third Advance Estimates, the productivity in 2011-12 has been estimated to be 491 Kg/ha. (*Source - Directorate of Economics & Statistics (DES), DAC*).

The table below shows the fluctuating trend of productivity in cotton:

Year	Production# (lakh bales)	Productivity (Yield in Kg. lint per hectare)
1	2	3
2006-07	226.32	421
2007-08	258.84	467
2008-09	222.76	403

1	2	3
2009-10	240.22	403
2010-11	330.00	499
*2011-12	352.00	491

1 bale = 170 Kg.

*As per Third Advance Estimates.

Source: Directorate of E&S, Department of Agriculture & Cooperation.

(e) The price of seeds of Bt. cotton during 2007 and 2011 is as under:

(Rs. Per packet of 450gm.)

Year /State/ Region	BG-I		BG-II	
	MH, GUJ, MP, AP, KA, TN (Region I)*	PUN, HAR, RAJ (Region II)**	MH, GUJ, MP, AP, KA, TN (Region I)*	PUN, HAR, RAJ (Region II)**
2007-08	750	750	925	925
2011-12	830	825	930	1000

*Maharashtra, Gujarat, Madhya Pradesh, Andhra Pradesh, Karnataka & Tamil Nadu.

**Punjab, Haryana & Rajasthan.

(Sources): Agriculture Department, Haryana; Agriculture Department, Gujarat & Maharashtra Hybrid Seeds Company (MAHYCO).

Soil health and nutrient management

3887. SHRI NAND KUMAR SAI: Will the Minister of AGRICULTURE be pleased to state:

(a) whether there is a need to accord high priority to soil health and nutrient management for sustainable farm growth;

(b) if so, the details thereof;

(c) the details of steps taken so far by Government to meet the sustainable farm growth in the country;

(d) whether Government proposes to utilise MGNREGA for augmenting activities that-directly add to farm productivity in the country during Twelfth Five Year Plan;