

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE, COOPERATION & FARMERS WELFARE

**LOK SABHA**  
**STARRED QUESTION NO. 304**  
TO BE ANSWERED ON THE 10<sup>TH</sup> AUGUST, 2021

**USE OF BIOFERTILIZERS AND PESTICIDES**

\*304. SHRI SUNIL KUMAR SINGH:  
SHRI CHANDRA PRAKASH JOSHI:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the quantum of biofertilizers and pesticides used in the country during the last three years, State-wise;
- (b) whether the Government proposes to stop the use of chemical pesticides and if so, the necessary steps taken/proposed to be taken in this regard;
- (c) the details of steps taken to enable farmers to access biofertilizers and pesticides easily and locally; and
- (d) whether any specific funds have been allotted and incentives given by the Government for promotion of production and use of biofertilizers and pesticides in the country and if so, the details thereof?

**ANSWER**

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्री

(SHRI NARENDRA SINGH TOMAR)

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

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (d) OF LOK SABHA  
STARRED QUESTION NO. 304 DUE FOR REPLY ON 10<sup>TH</sup> AUGUST, 2021.**

(a): The State-wise detail of quantum of bio-fertilizers and Chemical pesticides used / consumed during last 3 years as received from State Governments is given at **Annexure –I and II** respectively.

(b) to (d): Government has been implementing dedicated schemes of Paramparagat Krishi Vikas Yojana (PKVY) and Mission Organic Value Chain Development in North East Region (MOVCDNER) to promote and popularise chemical input free farming among farmers. Under the schemes, assistance is provided for cluster formation, training of farmers, organic input procurement/ on-farm preparation, post harvest management including marketing. Farmers are provided subsidy of Rs 31000/ ha / 3 years under PKVY and 32500/ ha/ 3 years under MOVCDNER for various organic inputs including bio-fertilisers and bio-pesticides. A budget of Rs 650 crores is allocated for the financial year 2021-22 to promote organic/ bio input based organic farming in the country.

Bio-fertilizers are also promoted through Integrated Nutrient Management (INM) and are made integral part of package of practices developed by ICAR and State Agriculture Universities. ICAR/ KVKs also conduct training to farmers on Integrated Nutrient Management (INM) and Integrated Pest Management (IPM) practices to promote balanced use of fertilizers and pesticides.

Government is also implementing the 'Sub-Mission on Plant Protection and Plant Quarantine' through 35 Central Integrated Pest Management Centers located in 28 States and 2 UTs with a mandate to popularize adoption of Integrated Pest Management (IPM) through training and demonstration in crops, inter-alia promotion of biological control

approaches in crop protection technology with major emphasis on judicious use of chemical pesticide as a last resort, safety in use of pesticides, alternate tools for pest management viz; cultural, physical, mechanical methods of pest control as well as use of bio-pesticides and bio-control agents. During 2019-20 and 2020-21, a total of 33757 and 45364 Farmer Field Schools have been conducted in various States respectively.

Under Capital Investment Subsidy Scheme (CISS), credit linked back ended subsidy @ 25% of total cost with maximum limit of Rs 40 lakhs is provided through NABARD for establishment of Bio-fertilizer/ Bio-pesticide production unit [200 Ton Per Annum(TPA) capacity]. Under Soil Health Management (SHM), assistance upto Rs 160 lakh /unit (200MT capacity) is provided to State Governments for establishment of bio-fertilizer production unit on 60:40 sharing between GoI and State Government.

## STATE-WISE CONSUMPTION OF BIOFERTILISERS DURING 2018-19 TO 2020-21

Sl. No.	State	2018-19		2019-20		2020-21	
		Carrier based (MT)	Liquid based (KL)	Carrier based (MT)	Liquid based (KL)	Carrier based (MT)	Liquid based (KL)
South Zone							
1	Andhra Pradesh	263.88	-	228.27	—	180.95	-
2	Karnataka	3253.7	758.19	3606.72	1218.00	1866.40	-
3	Kerala	108.24	2.098	91.03	5512.14	96.80	1235
4	Puducherry	121.9	6.192	121.90	7.57	75.90	-
5	Tamil Nadu	4187.243	536.784	11611.00	1481.59	64384.00	1109.12
6	Telengana	2556.29	12711.74	1536.33	174.75	320.00	-
West Zone							
1	Chhattisgarh	172.029	133.74	26.77	189.64	55.62	182.7
2	Gujarat	10596	430.529	20788.00	9444.00	19108.0	-
3	Goa	2044	-	50.00	—	30.00	-
4	Madhya Pradesh	7426.517	327.193	1330.01	315.64	1747.71	-
5	Maharashtra	15049.75	4193.78	15897.00	237.14	15591.00	-
6	Rajasthan	791.81	1.12	2142.78		1570.00	-
North Zone							
1	Delhi	394	-	345.00	—	347.00	-
2	Haryana	2128.7	246.54	2794.77	—	8517.00	-
3	Himachal Pradesh	135.112	12.05	320.00	137.90	200.00	-
4	Jammu & Kashmir	-	0.04	—	—	-	-
5	Punjab	7167.384	220.785	9252.19	192.49		
6	Uttar Pradesh	2451.8	2444.55	2142.78	2539.89	13724.00	-
7	Uttarakhand	3359.79	281.406	3118.98	4980.00	2691.77	605.30
East Zone							
1	Bihar	130.83	-	375.00	1900.00	161.67	
2	Jharkhand	20.96	-	5.15	—	14.55	-
3	Odisha	8166.89	149.692	449.20	1719.00	1404.70	-
4	West Bengal	2050	37.74	2200.00	—	2235.00	-
North East Zone							
1	Arunachal Pradesh	0	0	—	—	-	-
2	Assam	617.197	-	640.33	4.90	-	-
3	Manipur	81.5	100	13.20	11.51		
4	Mizoram	2.5	-	1.40	—	0.5	-
5	Nagaland	17.452	-	18.75	—	-	-
6	Sikkim	-	51.5			-	-
7	Tripura	81.79	-	340.06	39.78	-	-
	Total	73377.264	22645.669	79446.61	30105.94	134322.6	3132.12

Source: States/UTs Zonal Conferences on inputs for Kharif &amp; Rabi Seasons 2020-21

**CONSUMPTION OF CHEMICAL PESTICIDES IN VARIOUS STATES/UTs  
DURING 2018-19 TO 2020-21**

As on 31.03.2021

Unit: MT Tech. Grade

S. No.	States/UTs	2018-19	2019-20	2020-21
1	Andhra Pradesh	1689.00	1558.63	1558.63
2	Bihar	850.00	850.00	995.00
3	Chhattisgarh	1770.00	1672.00	1639.00
4	Goa	25.33	30.00	30.22
5	Gujarat	1608.00	1784.00	1573.00
6	Haryana	4015.00	4200.00	4050.00
7	Himachal Pradesh	322.40	881.20	56.39
8	Jharkhand	646.40	681.00	1161.00
9	Karnataka	1524.00	1568.00	1930.00
10	Kerala	994.72	656.40	585.27
11	Madhya Pradesh	540.00	540.00	691.00
12	Maharashtra	11746.00	12783.00	13243.00
13	Orissa	1609.00	1115.00	1158.41
14	Punjab	5543.00	4995.00	5193.00
15	Rajasthan	2290.00	2088.00	2330.00
16	Tamil Nadu	1901.00	2225.00	1834.00
17	Telangana	4894.00	4915.00	4986.00
18	Uttar Pradesh	11049.00	12217.00	11557.00
19	Uttarakhand	195.28	223.77	135.48
20	West Bengal	3190.02	3630.02	3629.80
<b>Sub Total</b>		<b>56402.15</b>	<b>58613.02</b>	<b>58336.21</b>
<b>North-Eastern</b>				
21	Arunachal Pradesh	4.60	4.95	1.95
22	Assam	256.05	410.39	419.50
23	Manipur	NR	25.10	45.55
24	Mizoram	26.01	27.44	NR
25	Nagaland	21.00	19.00	36.00
26	Tripura	349.12	364.00	NR
<b>Sub Total</b>		<b>656.78</b>	<b>850.88</b>	<b>503.00</b>
<b>Union Territories</b>				
27	Andaman & Nicobar	NR	NR	1.42
28	Delhi	110.00	NR	NR
29	Jammu & Kashmir	2458.69	2198.00	3352.00
30	Pondicherry	42.31	40.00	NR
<b>Sub Total</b>		<b>2611.00</b>	<b>2238.00</b>	<b>3353.42</b>
<b>Grand Total</b>		<b>59669.93</b>	<b>61701.90</b>	<b>62192.63</b>

Source: States/UTs Zonal Conferences on inputs (Plant Protection) for Kharif &amp; Rabi Seasons.

NR: Not Reported.

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