

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE  
**LOK SABHA**  
**UNSTARRED QUESTION NO 1080**  
ANSWERED ON 13<sup>TH</sup> DECEMBER, 2022

USE OF CHEMICAL PESTICIDES

1080. SHRI RAMCHARAN BOHRA

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

- (a) whether the consumption /use of chemical pesticides has increased in the country in the last few years ;
- (b) if so, the details thereof ;
- (c) whether farmers are using low quality pesticides due to lack of awareness ; and
- (d) if so, the action taken by the Government in this regard ?

ANSWER

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE  
कृषि एवं किसान कल्याण मंत्री (SHRI NARENDRA SINGH TOMAR)

(a) to (d): State Governments and Union Territories report data related to consumption of pesticides to Central Government. As per the provided data, the trend of consumption of chemical pesticides has varied from year to year and State to State. The state wise details on consumption of chemical pesticides and bio-pesticides is attached at Annexure-I and II respectively.

Use of Pesticides depends on several factors like area under cultivation, type of crop, cropping intensity, agro climatic conditions, soil condition, weed, insect and disease situation etc. However, with the objective of educating , orienting and training of farming community about the judicious use of pesticides and use as per the prescriptions given in the label and leaflets, Central and State Governments through their field agencies ensure that farmers are provided right knowledge/ information about recommended pesticide use. Further, Ministry of Agriculture and Farmers Welfare is propagating the Integrated Pest Management approach through its 36 Central Integrated Pest Management Centers located in 28 States and 2 UTs by imparting training to farmers through Farmer Field Schools and HRD programs to encourage farmers for judicious use of pesticides.

## STATE-WISE CONSUMPTION OF CHEMICAL PESTICIDES

Quantity : Metric Ton (Technical Grade)

S. No.	States/UTs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Andhra Pradesh	1738	1689	1559	1559	1759
2	Bihar	840	850	850	995	995
3	Chhattisgarh	1685	1770	1672	1639	1740
4	Goa	24	25	30	30	32
5	Gujarat	1692	1608	1784	1573	1869
6	Haryana	4025	4015	4200	4050	4066
7	Himachal Pradesh	467	322	881	56	454
8	Jharkhand	619	646	681	1161	1195
9	Karnataka	1502	1524	1568	1930	1930
10	Kerala	1067	995	656	585	554
11	Madhya Pradesh	502	540	540	691	654
12	Maharashtra	15568	11746	12783	13243	13175
13	Orissa	1633	1609	1115	1158	1240
14	Punjab	5835	5543	4995	5193	NR
15	Rajasthan	2307	2290	2088	2330	2104
16	Tamil Nadu	1929	1901	2225	1834	1851
17	Telangana	4866	4894	4915	4986	5090
18	Uttar Pradesh	10824	11049	12217	11557	11688
19	Uttarakhand	210	195	224	135	114
20	West Bengal	2982	3190	3630	3630	3630
	<b>Sub Total</b>	<b>60315</b>	<b>56401</b>	<b>58613</b>	<b>58336</b>	<b>54140</b>
<b>North-Eastern</b>						
21	Arunachal Pradesh	NR	5	5	2	3
22	Assam	241	256	410	420	428
23	Manipur	27	NR	25	46	NR
24	Meghalaya	Organic State	Organic State	Organic State	Organic State	Organic State
25	Mizoram	NR	26	27	NR	23
26	Nagaland	20	21	19	36	41
27	Sikkim	Organic State	Organic State	Organic State	Organic State	NR
28	Tripura	330	349	364	NR	NR
	<b>Sub Total</b>	<b>618</b>	<b>657</b>	<b>850</b>	<b>503</b>	<b>494</b>
<b>Union Territories</b>						
29	Andaman & Nicobar	NR	NR	NR	1	NR
30	Chandigarh	NR	NR	NR	NR	NR
31	Dadra & Nagar Haveli and Daman & Diu	NR	NR	NR	NR	NR
32	Delhi	NR	110	NR	NR	NR
33	Jammu & Kashmir	2430	2459	2198	3352	4086
34	Ladakh	NR	NR	NR	NR	NR
35	Lakshadweep	NR	NR	NR	NR	NR
36	Pondicherry	43	42	40	NR	NR
	<b>Sub Total</b>	<b>2473</b>	<b>2611</b>	<b>2238</b>	<b>3353</b>	<b>4086</b>
	<b>Grand Total</b>	<b>63406</b>	<b>59669</b>	<b>61701</b>	<b>62193</b>	<b>58720</b>

Source: States/UTs Zonal Conferences on Inputs (Plant Protection) for Rabi & Kharif Seasons. NR- Inputs Not Reported.

## STATE-WISE CONSUMPTION OF BIO-PESTICIDES

Quantity : Metric Ton (Technical Grade)

S. No.	States/UTs	2017-18	2018-19	2019-20	2020-21	2021-22
1	Andhra Pradesh	5.25	10.00	8.79	8.79	45.22
2	Bihar	320.00	350.00	360.00	360.00	360.00
3	Chhattisgarh	405.00	505.00	605.00	605.00	705.00
4	Goa	4.50	6.00	6.00	1.78	5.30
5	Gujarat	353.50	306.00	307.00	320.00	392.00
6	Haryana	390.00	410.00	400.00	430.00	440.00
7	Himachal Pradesh	1.45	1.50	4.20	18.04	5.02
8	Jharkhand	37.88	41.43	91.00	91.00	97.00
9	Karnataka	544.00	544.00	564.00	561.00	561.00
10	Kerala	717.28	861.74	778.64	757.69	607.80
11	Madhya Pradesh	326.00	322.00	322.00	346.00	349.00
12	Maharashtra	1271.46	1164.17	1082.14	934.41	934.44
13	Orissa	310.00	310.00	333.00	165.00	121.97
14	Punjab	259.00	246.00	219.00	210.00	NR
15	Rajasthan	10.00	15.00	929.00	1021.00	1268.00
16	Tamil Nadu	630.00	500.00	820.00	861.00	891.00
17	Telangana	77.00	84.00	329.80	496.00	522.00
18	Uttar Pradesh	46.22	46.85	47.73	47.94	50.88
19	Uttarakhand	50.14	51.68	154.58	111.23	231.03
20	West Bengal	951.00	997.00	1017.00	1017.00	1017.00
<b>Sub Total</b>		<b>6709.68</b>	<b>6772.37</b>	<b>8378.87</b>	<b>8362.88</b>	<b>8603.65</b>
<b>North-Eastern</b>						
21	Arunachal Pradesh	NR	17.25	18.05	18.05	18.00
22	Assam	217.10	233.50	242.85	247.85	256.85
23	Manipur	1.05	NR	0.85	1.43	NR
24	Meghalaya	75.10	NR	8.49	8.87	8.55
25	Mizoram	NR	NR	NR	NR	NR
26	Nagaland	14.00	17.50	19.00	4.40	8.12
27	Sikkim	NR	NR	NR	NR	NR
28	Tripura	141.96	137.58	167.28	NR	NR
<b>Sub Total</b>		<b>449.21</b>	<b>405.83</b>	<b>456.52</b>	<b>280.60</b>	<b>291.52</b>
<b>Union Territories</b>						
29	Andaman & Nicobar	NR	NR	NR	NR	NR
30	Chandigarh	NR	NR	NR	NR	NR
31	Dadra & Nagar Haveli and Daman & Diu	NR	NR	NR	NR	NR
33	Delhi	NR	12.60	NR	NR	NR
34	Jammu & Kashmir	1.40	1.60	1.63	3.67	3.75
35	Ladakh	NR	NR	NR	NR	NR
36	Lakshadweep	NR	NR	NR	NR	NR
37	Pondicherry	14.14	11.08	9.90	NR	NR
<b>Sub Total</b>		<b>15.54</b>	<b>25.28</b>	<b>11.53</b>	<b>3.67</b>	<b>3.75</b>
<b>Grand Total</b>		<b>7174.43</b>	<b>7203.48</b>	<b>8846.93</b>	<b>8647.14</b>	<b>8898.92</b>

Source: States/UTs Zonal Conferences on Inputs (Plant Protection) for Rabi &amp; Kharif Seasons. NR- Inputs Not Reported.

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