

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1769**  
ANSWERED ON 04/08/2023

**INCREASING USE OF PESTICIDES IN AGRICULTURE**

1769. SH. NEERAJ SHEKHAR:

Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:-

- (a) whether Government is aware that use of pesticides in agriculture has increased drastically during recent years;
- (b) if so, the reasons therefor;
- (c) whether any survey has been conducted regarding phenomenal rise in use of pesticides and its impact on human lives and agriculture in the country;
- (d) if so, the details thereof along with the findings thereof; and
- (e) if not, the reasons therefor?

**ANSWER**

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI NARENDRA SINGH TOMAR)

(a) to (e): State Governments and Union Territories report data related to consumption of pesticides to the Central Government. As per the provided data by State Governments, the trend of consumption of pesticides has varied from year to year and State to State. However, no drastic increase of use of pesticides is noticed. The State wise details on the consumption of chemical pesticides and bio-pesticides are attached at Annexure-I and II, respectively.

There is no specific information available on survey regarding phenomenal rise in use of pesticides and its impact on human lives and agriculture in the country. However, pesticides being inherently toxic substances are registered for use in the country by the Registration Committee constituted under section 5 of the Insecticides Act, 1968 (the Act). The pesticides do not pose any adverse effect on human beings, animals and the environment if they are used as per the label and leaflet approved by the Registration Committee.

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 label and leaflets, Central and State Governments through their field agencies ensure that farmers are provided right knowledge/information about the pesticides approved by the RC and their uses as per

recommended doses given in label & leaflet. Further, Ministry of Agriculture and Farmers Welfare is propagating the Integrated Pest Management approach through its 36 Central Integrated Pest Management Centres located in 28 States and 2 UTs, KVKs, ICAR etc., by imparting training to farmers through Farmer Field Schools and HRD programs to encourage farmers for judicious use of pesticides.

**Annexure-I**

## STATE-WISE CONSUMPTION OF CHEMICAL PESTICIDES DURING 2017-18 TO 2021-22

Unit: MT Tech. Grade

S. No.	States/UTs	2018-19	2019-20	2020-21	2021-22	2022-23
1	Andhra Pradesh	1689	1559	1559	1759	2001
2	Bihar	850	850	995	995	995
3	Chhattisgarh	1770	1672	1639	1740	1775
4	Goa	25	30	30	32	34
5	Gujarat	1608	1784	1573	1869	1750
6	Haryana	4015	4200	4050	4066	4066
7	Himachal Pradesh	322	881	56	454	470
8	Jharkhand	646	681	1161	1195	450
9	Karnataka	1524	1568	1930	1930	1669
10	Kerala	995	656	585	554	504
11	Madhya Pradesh	540	540	691	654	598
12	Maharashtra	11746	12783	13243	13175	6814
13	Orissa	1609	1115	1158	1240	1348
14	Punjab	5543	4995	5193	NR	5130
15	Rajasthan	2290	2088	2330	2104	1865
16	Tamil Nadu	1901	2225	1834	1851	1952
17	Telangana	4894	4915	4986	5090	4920
18	Uttar Pradesh	11049	12217	11557	11688	11824
19	Uttarakhand	195	224	135	114	111
20	West Bengal	3190	3630	3630	3630	3321
<b>Sub Total</b>		<b>56401</b>	<b>58613</b>	<b>58336</b>	<b>54140</b>	<b>51597</b>
<b>North-Eastern</b>						
21	Arunachal Pradesh	5	5	2	3	NR
22	Assam	256	410	420	428	455
23	Manipur	NR	25	46	NR	NR
24	Meghalaya	<i>Organic State</i>	<i>Organic State</i>	<i>Organic State</i>	<i>Organic State</i>	<i>Organic State</i>
25	Mizoram	26	27	NR	23	31
26	Nagaland	21	19	36	41	NR
27	Sikkim	<i>Organic State</i>	<i>Organic State</i>	<i>Organic State</i>	<i>Organic State</i>	<i>Organic State</i>
28	Tripura	349	364	NR	NR	NR
<b>Sub Total</b>		<b>657</b>	<b>850</b>	<b>503</b>	<b>494</b>	<b>485</b>
<b>Union Territories</b>						
29	Andaman & Nicobar	NR	NR	1	NR	NR
30	Chandigarh	NR	NR	NR	NR	NR
31	Dadra & Nagar Haveli and Daman & Diu	NR	NR	NR	NR	NR
32	Delhi	110	NR	NR	NR	384
33	Jammu & Kashmir	2459	2198	3352	4086	NR
34	Ladakh	NR	NR	NR	NR	NR
35	Lakshadweep	NR	NR	NR	NR	NR
36	Pondicherry	42	40	NR	NR	
<b>Sub Total</b>		<b>2611</b>	<b>2238</b>	<b>3353</b>	<b>4086</b>	<b>384</b>
<b>Grand Total</b>		<b>59669</b>	<b>61701</b>	<b>62193</b>	<b>58720</b>	<b>52466</b>

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

NR: Not Reported by State/UT.

**Annexure-II**

## STATE-WISE CONSUMPTION OF BIO- PESTICIDES DURING 2017-18 TO 2021-22

Unit: MT Tech. Grade

S. No.	States/UTs	2018-19	2019-20	2020-21	2021-22	2022-23
1	Andhra Pradesh	10	9	9	45	51
2	Bihar	350	360	360	360	360
3	Chhattisgarh	505	605	605	705	740
4	Goa	6	6	2	5	5
5	Gujarat	306	307	320	392	548
6	Haryana	410	400	430	440	440
7	Himachal Pradesh	2	4	18	5	0.37
8	Jharkhand	41	91	91	97	93
9	Karnataka	544	564	561	561	454
10	Kerala	862	779	758	608	628
11	Madhya Pradesh	322	322	346	349	375
12	Maharashtra	1164	1082	934	934	15
13	Orissa	310	333	165	122	81
14	Punjab	246	219	210	NR	172
15	Rajasthan	15	929	1021	1268	170
16	Tamil Nadu	500	820	861	891	907
17	Telangana	84	330	496	522	522
18	Uttar Pradesh	47	48	48	51	53
19	Uttarakhand	52	155	111	231	120
20	West Bengal	997	1017	1017	1017	1234
<b>Sub Total</b>		<b>6772</b>	<b>8379</b>	<b>8363</b>	<b>8604</b>	<b>6969</b>
<b>North-Eastern</b>						
21	Arunachal Pradesh	17	18	18	18	NR
22	Assam	234	243	248	257	272
23	Manipur	NR	0.9	1.4	NR	NR
24	Meghalaya	NR	8	9	9	7
25	Mizoram	NR	NR	NR	NR	NR
26	Nagaland	18	19	4	8	NR
27	Sikkim	NR	NR	NR	NR	NR
28	Tripura	138	167	NR	NR	NR
<b>Sub Total</b>		<b>406</b>	<b>457</b>	<b>281</b>	<b>292</b>	<b>279</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	13	NR	NR	NR	NR
34	Jammu & Kashmir	2	2	4	4	1
35	Ladakh	NR	NR	NR	NR	NR
36	Lakshadweep	NR	NR	NR	NR	NR
37	Pondicherry	11	10	NR	NR	NR
<b>Sub Total</b>		<b>25</b>	<b>12</b>	<b>4</b>	<b>4</b>	<b>1</b>
<b>Grand Total</b>		<b>7203</b>	<b>8847</b>	<b>8647</b>	<b>8899</b>	<b>7248</b>

**Source:** States/UTs Zonal Conferences on inputs (Plant Protection) for Kharif& Rabi Seasons.**NR:** Not Reported by State/UT.

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