

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

LOK SABHA
UNSTARRED QUESTION NO. 307
ANSWERED ON 5TH December, 2023

USE OF CHEMICAL PESTICIDES

307. SHRI VIVEK NARAYAN SHEJWALKAR:

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 in the country has witnessed increase due to lack of awareness among farmers during the last several years;
- (b) if so, the details thereof; and
- (c) the steps being taken by the Government so far to reduce the use of chemical pesticides?

ANSWER

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

(a) to (c): 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 through its Krishi Vigyan Kendras (KVKs), ICAR and Central Integrated Pest Management Centers (CIPMCs) located in 28 States and 2 UTs, etc conduct various training programmers such as Farmers Field Schools, two/five days HRD programmers, Kisan Goshthis, IPM Exhibitions and Seed Treatment Campaigns where awareness is created amongst farmers, Pesticide dealers/State agriculture functionaries on use of bio pesticides, bio control agents and botanical formulations as an alternative to chemical pesticides for pest management, safe and judicious use of chemical pesticides, usage, dose and label claim instructions as approved by RC.

Moreover, Government of India has taken various steps to promote the use of bio pesticides. Simplified guidelines have been formulated by Registration Committee (RC) for the registration of bio pesticides. For bio-pesticides, provisional registrations are being granted under Section 9(3B) of the Insecticides Act, 1968 alongwith the permission for commercialization during the provisional registration period of two years based on the confirmation of molecular identity of the strain from ICAR-National Bureau of Agriculturally Important Microorganisms (ICAR-NBAIM) and quality verification of the product from Central Insecticide Laboratory (CIL).

STATE-WISE CONSUMPTION OF PESTICIDES

Unit: M.T. (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	850	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	279	470
8	Jharkhand	646	681	1161	450	450
9	Karnataka	1524	1568	1930	2224	1669
10	Kerala	995	656	585	532	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	5376	5130
15	Rajasthan	2290	2088	2330	2104	1865
16	Tamil Nadu	1901	2225	1834	1851	1952
17	Telangana	4894	4915	4986	4920	4920
18	Uttar Pradesh	11049	12217	11557	11688	11824
19	Uttarakhand	195	224	135	213	111
20	West Bengal	3190	3630	3630	3630	3321
21	Arunachal Pradesh	5	5	2	1	NR
22	Assam	256	410	420	474	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	29	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
29	Andaman & Nicobar	NR	NR	1	NR	NR
30	Chandigarh	NR	NR	NR	NR	NR
31	Dadra & Nagar Haveli & Daman & Diu	NR	NR	NR	NR	NR
32	Delhi	110	NR	NR	NR	NR
33	Jammu & Kashmir	2459	2198	3352	4086	384
34	Ladakh	NR	NR	NR	NR	NR
35	Lakshadweep	NR	NR	NR	NR	NR
36	Pondicherry	42	40	NR	NR	NR
Total		59670	61702	62193	63284	52466

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

STATE-WISE CONSUMPTION OF BIO PESTICIDES
Unit: M.T. Formulation

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	4	0.37
8	Jharkhand	41	91	91	97	93
9	Karnataka	544	564	561	605	454
10	Kerala	862	779	758	631	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	165	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	52	53
19	Uttarakhand	52	155	111	409	120
20	West Bengal	997	1017	1017	1017	1234
21	Arunachal Pradesh	17	18	18	15	NR
22	Assam	234	243	248	270	272
23	Manipur	NR	1	1	NR	NR
24	Meghalaya	NR	8	9	7	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
29	Andaman & Nicobar	NR	NR	NR	NR	NR
30	Chandigarh	NR	NR	NR	NR	NR
31	Dadra & Nagar Haveli & Daman & Diu	NR	NR	NR	NR	NR
32	Delhi	13	NR	NR	NR	NR
33	Jammu & Kashmir	2	2	4	4	0.98
34	Ladakh	NR	NR	NR	NR	NR
35	Lakshadweep	NR	NR	NR	NR	NR
36	Pondicherry	11	10	NR	4	NR
Grand Total		7203	8847	8647	9321	7248

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