

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

**LOK SABHA**  
**UNSTARRED QUESTION NO. 2552**  
TO BE ANSWERED ON THE 2<sup>ND</sup> AUGUST, 2016

**PROMOTION OF ORGANIC FERTILIZERS**

2552. SHRI KESHAV PRASAD MAURYA:  
SHRI M.B. RAJESH:  
SHRIMATI KAMLA DEVI PAATLE:

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

- (a) whether the Government has any proposal to regulate the use of chemical fertilizers by promoting organic fertilizers in the country, if so, the details thereof;
- (b) whether the Government is of the opinion that the said proposal is a viable and workable idea without any practical difficulties, if so, the details thereof;
- (c) the details of the organic and biofertilizers produced in the various States of the country during each of the last three years and the current year, State-wise along with the details of the companies producing organic fertilizers in the country; and
- (d) the various efforts being made by the Government to monitor the excessive use of chemical fertilizers and pesticides and to promote the use of organic and biofertilizers?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्रालय में राज्य मंत्री (SHRI PARSHOTTAM RUPALA)

(a) & (b): No, Madam. No such proposal is with Ministry.

(c): The State-wise details of the organic and biofertilizers produced is given at **Annexure-I, IIA, IIB & IIC.**

(d): The Government is recommending soil test based balanced and integrated nutrient management through conjunctive use of both inorganic and organic sources including organic manures and biofertilizers to provide plant nutrients and reduce the excessive use of chemical fertilizers. In addition, split application and placement of fertilizers, use of slow releasing N-fertilizers, nitrification inhibitors, growing leguminous crops and use of Resource Conservation Technologies (RCTs) are also advocated. In order to promote greater use of organic and biofertilizers, the Indian Council of Agricultural Research (ICAR), Pusa has developed improved and efficient strains of biofertilizers specific to different crops and soil types under Network project on Soil Biodiversity-Biofertilizers. Liquid Biofertilizers technology with higher shelf-life has also been developed. Besides, the Council has developed technology to prepare various types of organic manures such as phosphocompost, vermicompost, bio-enriched compost, municipal solid waste compost, etc. from various organic wastes.

The Government is also monitoring pesticides residues in various agricultural commodities etc. under the central scheme "Monitoring of Pesticides Residues at National Level" (MPRNL). The annual report MPRNL is being shared with all State Governments in order to sensitize about the areas of likely pesticide over use.

## Zone- Wise Bio-Fertilizer Production in India during 2012-13 to 2014-15

Sl. No.	State	2012-13	2013-14	2014-15	
		Carrier based (MT)	Carrier based (MT)	Carrier based (MT)	Liquid based (KL)
<b>South Zone</b>					
1	A & N Islands	0	0	0.0000	0.0000
2	Andhra Pradesh	1335.74	2714.22	2668.8000	274.8560
3	Daman & Diu	0	0	0.0000	0.0000
4	Karnataka	7683.72	9907.337	16462.6200	23.0561
5	Kerala	1045.64	3520.66	4916.9700	10.5096
6	Lakshadweep	0	0	0.0000	0.0000
7	Pondicherry	621	516.98	560.9500	1.4976
8	Tamil Nadu	11575.7	14104.83	15373.2900	11.3017
	<b>Total</b>	<b>22261.8</b>	<b>30764.027</b>	<b>39982.6300</b>	<b>321.2210</b>
<b>West Zone</b>					
1	Chhattisgarh	501.63	712.07	1024.680	9.620
2	Gujarat	978.48	6411.434	3667.929	2800.500
3	Goa	370	66.26	802.520	0.000
4	Madhya Pradesh	1408.08	4824.194	2637.990	119.216
5	Maharashtra	5897.91	6218.607	14847.397	324.767
6	Rajasthan	982	1315	599.898	0.000
7	D & N Haveli	0	0	0.000	0.000
	<b>Total</b>	<b>10138.100</b>	<b>19547.565</b>	<b>23580.414</b>	<b>3254.103</b>
<b>North Zone</b>					
1	Delhi	0	396	104.500	0.000
2	Chandigarh	0	0	0.000	0.000
3	Haryana	5832.61	1146.483	872.955	46.489
4	H.P.	0	26.147	0.768	33.070
5	J & Kashmir	0	45.26	0.000	0.000
6	Punjab	2311.33	2124.852	6305.453	74.278
7	Uttar Pradesh	1310.02	2682.221	4099.068	98.036
8	Uttarakhand	2758.21	5493.851	2129.952	208.034
	<b>Total</b>	<b>12212.170</b>	<b>11914.814</b>	<b>13512.696</b>	<b>459.907</b>
<b>East Zone</b>					
1	Bihar	52.4	52.4	64.90	0.00
2	Jharkhand	35.3	14.2	9.08	0.00
3	Odisha	407.1	1097.61	1074.46	4.70
4	West Bengal	1110	1682.7076	2061.83	14.63
	<b>Total</b>	<b>1604.8</b>	<b>2846.9176</b>	<b>3210.27</b>	<b>19.33</b>
<b>North East Zone</b>					
1	Arunachal Pradesh	0	59	59.000	0.000
2	Assam	89	149	88.000	0.000
3	Manipur	0	0	0.000	0.000
4	Meghalaya	0	0	0.000	0.000
5	Mizoram	0	4	3.600	0.000
6	Nagaland	7.45	7.45	7.450	0.000
7	Sikkim	9.5	10.1	12.400	0.000
8	Tripura	514	225	240.000	0.000
	<b>Total</b>	<b>619.95</b>	<b>454.55</b>	<b>410.450</b>	<b>0.000</b>
	<b>Grand Total</b>	<b>46836.82</b>	<b>65527.87</b>	<b>80696.45595</b>	<b>4054.563711</b>

Source: Compiled by NCOF (Data Provided by Production Units/State Government/ RCOFs)

MT= Metric Ton KL= Kilo litre

**Table 3: State-wise details of different organic manures produced / available (lakh MT) in different States during 2012-13.**

Sl No	Name of the State	Rural Compost	FYM	City compost	Vermi compost	Other manures	Total manure	Green Manuring
1.	Andhra Pradesh	48.00	20.00	0.11	1.00	0	69.11	28.54
2	Arunachal Pradesh	0.08	0.205	00	0.045	0.05	0.38	0.05
3	Assam	0.79	876.00	0.01	1.608	0	878.408	2.50
4	Bihar	3.64	0	0.20	8.07	0	11.91	0
5	Chhattisgarh	46.70	42.00	3.64	3.03	4.37	99.74	3.55
6	Delhi	0	0	0.666	0	0	0.666	0
7	Goa	1.72	0	0.024	0.016	0	1.76	2.95
8	Gujarat	0	358.00	0	0.50	5.0	363.5	3.2
9	Haryana	10.05	7.85	0	0.50	0	18.4	0
10	Himachal Pradesh	23.0	12.00	0.05	5.50	0	40.55	0
11	Jammu & Kashmir	12.35	9.603	0.13	0.008	0.0761	22.1671	0.04
12	Jharkhand	5.00	18	0	0	0	23	0
13	Karnataka	698.13	612.36	103.06	5.02	13.26	1431.83	128.81
14	Kerala	0.55	8.6	0.61	1.55	0.065	11.375	0.57
15	Madhya Pradesh	45.00	85.50	3.50	2.00	0	136	0
16	Maharashtra	15.00	75.00	4.65	0.17	0.65	95.47	0
17	Manipur	0	0.50	0	0	0	0.5	0
18	Mizoram	0	0.045	0	0.036	0	0.081	0
19	Meghalaya	0	14.90	0	0	0	14.9	0
20	Nagaland	0.024	0.60	0	0.03	0.0	0.654	0.075
21	Odisha	19.87	0	0.017	0	0	19.887	0
22.	Punjab	0	307.00	0.05	0.55	0	307.6	34.48
23	Rajasthan	25.60	326.120	18.47	1.33	2.66	374.18	6.64
24	Sikkim	0.13	0	0	0.02	0	0.15	0
25	Tamil Nadu	5.02	39.50	0.56	1.072	0.038	46.19	10.20
26	Tripura	0	0	0	0	0	0	0
27	Uttar Pradesh	0	0	0	0.036	0	0.036	0.050
28	Uttarakhand	0	0.220	0	0.165	0	0.385	0
29	West Bengal	78.7	36.50	7.30	21.45	3.00	146.95	15.89
	<b>Total</b>	<b>1039.354</b>	<b>2850.503</b>	<b>143.047</b>	<b>53.706</b>	<b>29.1691</b>	<b>4115.779</b>	<b>237.545</b>

## Annexure II B

### State-wise details of different organic manures produced / available (lakh MT) in different States during 2013-14 (lakh MT)

State	Rural Compost	FYM	City Compost	Organic Manure	Vermi Compost	Other manure	Total Manure	Green manure (Ha.)
Andhra Pradesh	49.5	0.21	21.3	0	1.02	0	72.03	28.54
Arunachal Pradesh	0.09	0.23	0	0	0.61	0.065	0.995	0.06
Assam	0.83	916.5	0.02	0	1.65	0	919.5	2.65
Bihar	3.83	0	0.29	4.91	3.14	0	12.17	362000
Chhattisgarh	49	45.5	3.25	0.0011	3.5	3	104.2511	375000
Delhi	0	0	0.8	0	0	0	0.8	0
Goa	0.04	0	0.5	0.04	0.03	0.21	0.82	3
Gujarat	0	361	0	0	0.51	4.3	365.81	3.2
Haryana	0	0	0.045	0	0.041	0	0.086	0
Himachal Pradesh	2	0	0.23	0	15.42	0	17.65	0.5
Jammu & Kashmir	1.765	0	0.19	4.53	0.084	0	6.569	1080
Jharkhand	0	0	0.02	0	525	0	525.02	0
Karnataka	0	1.37	8.32	0	1.96	0	11.65	0
Kerala	0	1.11	1.86	0	0.88	0	3.85	0
Madhya Pradesh	5.5	0.01	0.05	0	0	0.1	5.66	58000
Maharashtra	0	0	5.5	0	1.46	3	9.96	0.65
Manipur	0	0.61	0	0	0	0	0.61	0
Mizoram	0	0.055	0	0	0.042	0	0.097	0
Meghalaya	0	16.35	0	0	0	0	16.35	0
Nagaland	0.031	0.81	0	0	0.04	0	0.881	0.85
Odisha	23.27	0	0.0283	0	0.33281	0	23.63111	0
Punjab	0	2.98	0.032	0	0.05215	0	3.06415	199000
Pondicherry	0	0	3.23	0	0	0	3.23	0
Rajasthan	0	0	0	0.015	0	0.007	0.022	0
Sikkim	0.32	0	0	0	0.03	0	0.35	0
Tamil nadu	0	2.1	9.11	0	3.18	0	14.39	0
Tripura	0	0	0	0	0	0	0	0
Uttar Pradesh	0	0	0	0	0.222	0	0.222	238805
Uttarkhand	9.4	3.65	0.35	0	0.17	0	23.57	0.1
West Bengal	79.4	36.8	8.21	0	22.9	4.1	151.41	16.1
<b>Total</b>	<b>224.976</b>	<b>1399.3</b>	<b>63.335</b>	<b>9.496</b>	<b>582.274</b>	<b>14.782</b>	<b>2294.15</b>	<b>1233941</b>

## Annexure IIC

## State-wise details of different organic manures produced / available (lakh MT) in different States during 2014-15 (lakh MT)

State	Rural Compost	FYM	City Compost	organic manure	Vermi Compost	other manure	Total Manure	Green manure (Ha.)
Andhra Pradesh	49.5	0.21	21.3	0	1.02	0	72.03	28.54
Arunachal Pradesh	0.11	0.25	0.00	0.01	0.65	0.06	1.08	0.07
Assam	0.92	940	0.03	0	1.75	0	942.70	2.9
Bihar	3.83	0	0.29	4.91	3.14	0	12.17	362000
Chhattisgarh	49	45.5	3.25	0.0011	3.5	3	104.25	420000
Delhi	0	0	0.8	0	0	0	0.80	0
Goa	0.04	0	0.5	0.04	0.03	0.216	0.83	3
Gujarat	0	361	0	0	0.51	4.195	365.71	3.2
Haryana	0	0	0	0.084	0.063	0	0.15	0
Himachal Pradesh	2	0	0.23	0.0074	26.4	0	28.64	0.5
Jammu & Kashmir	1.761	0.00	0.19	0	0	0	1.95	1080
Jharkhand	0	0	0	0	511	0	511.00	0
Karnatka	0	0	10.32	0	6.1	0	16.42	0
Kerala	0	1.11	1.86	0	0.88	0	3.85	0
Madhya Pradesh	5.85	0.01	0.059	0	0	0.135	6.05	60000
Maharashtra	0	0	5.5	0	1.42	3.126	10.05	0.65
Manipur	0	0.65	0.00	0	0.05	0	0.70	0
Mizoram	0	0.06	0	0	0.06	0	0.12	0
Meghalaya	0	17.00	0.00	0	0	0	17.00	0
Nagaland	0.035	0.84	0	0	0.05	0	0.93	0.9
Odisha	23.27	0	0.07	0	0	0	23.34	0
Punjab	0	2.96	0	0.0064	0.329	0.031	3.33	199000
Pondicherry	0	0	3.23	0	0	0	3.23	0
Rajasthan	0	0	0	0.015	0	0.007	0.02	0
Sikkim	0.32	0	0	0	0.03	0	0.35	0
Tamil nadu	0	0	6.38	5.042	0	0	11.42	0
Tripura	0	0	0	0	0	0	0.00	0
Uttar Pradesh	0	0	0	0	0.105	0	0.11	238805
Uttarkhand	9.4	13.6	0	0	0.2961	0	23.30	0
West Bengal	79.84	17.2	10.21	0.07	25.8119	3.986	137.12	16.1
<b>Grand Total</b>	<b>225.88</b>	<b>1400.39</b>	<b>64.22</b>	<b>10.186</b>	<b>583.20</b>	<b>14.756</b>	<b>2298.62</b>	<b>1280941</b>

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