

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

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 243**  
TO BE ANSWERED ON 03/02/2023

**PRODUCTION AND CONSUMPTION OF FOODGRAINS**

243 SHRI S. SELVAGANABATHY

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

- (a) whether Government has made any assessment regarding production and consumption of foodgrains based on minimum requirement in the country;
- (b) if so, the details thereof along with per capita net availability per day of cereals, pulses, onions, sugarcane and other foodgrains during each of the last three years including current year, crop-wise and State/UT-wise;
- (c) whether the area under cultivation of these crops has declined in the country during the above period; and
- (d) if so, the details thereof, crop and State/UT-wise along with the reasons therefor?

**ANSWER**

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI NARENDRA SINGH TOMAR)

(a) and (b): The National Institution for Transforming India (NITI) Aayog, Government of India, had constituted a Working Group on Crop Husbandry, Agricultural Inputs, Demand and Supply projections, which submitted its reports titled "Demand & Supply Projections Towards 2033 (Crops, Livestock, Fisheries and Agricultural inputs) in 2018. The terms of reference (TOR) of the Working Group included the estimation of requirements of rice, wheat, maize, other coarse cereals, pulses, food grains, oilseeds, sugarcane, cotton, jute, fruits, vegetables, flowers and animal products viz. milk, meat, egg, fish and wool etc., including their demand for export, domestic use and make the supply projections for the terminal years 2019-20, 2023-24 and 2032-33. The details of per capita net availability of foodgrains is given at **Annexure I**.

(c) and (d): The area under various crops depends upon various factors such as weather conditions, rainfall situation, irrigation facilities, soil conditions, expectation of better remuneration from other competing crops, inter-crop profitability, etc. The details of area under cultivation of various foodgrains, onion and sugarcane is given at **Annexure II**.

**Annexure referred to in reply to part (a) and (b) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023****Per capita Availability of Foodgrains (as on 23.11.2022)**

Year	Rice		Wheat		Others Cereals		Cereals		Pulses		Foodgrains	
	Kg. per year	Grams per day	Kg. per year	Grams per day	Kg. per year	Grams per day	Kg. per year	Grams per day	Kg. per year	Grams per day	Kg. per year	Grams per day
2018-19	68.0	186.3	65.0	178.2	27.4	75.1	160.5	439.6	15.5	42.6	176.0	482.2
2019-20	72.0	197.4	64.2	175.9	30.9	84.8	167.2	458.0	16.0	43.8	183.1	501.8
2020-21	73.3	200.9	67.0	183.5	30.2	82.8	170.5	467.2	16.3	44.5	186.8	511.7
2021-22	69.6	190.5	68.8	188.6	29.8	81.6	168.2	460.8	19.6	53.8	187.8	514.6

The per capita net availability of foodgrains is now calculated on Financial Year basis and is not comparable with the old series which was based on calendar year.

Note - Figures are based on 4th Advance Estimates of production for 2021-22(as on 17.08.22) and Net Imports and stock position for April 2021 to March 2022.

The net availability of foodgrains is estimated to be Gross Production (-) seed, feed & wastage, (-) exports (+) imports, (-) change in stocks.

The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year. Net availability, thus worked out is further divided by the number of days in a year i.e., 365 days which is taken as net availability of foodgrains in terms of grams/day.

Projected Total Population by Sex as on 1st July - 2011 - 2036 : India, States and Union Territories\* ('000), Report of the technical group on population projection July, 2020

Figures in respect of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take in to account any change in stocks in possession of traders, producers and consumers.

**Annexure II (Continued)****Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023****Area under Rice**

(000 hectares)

State/ UT	2019-20	2020-21	2021-22*	2022-23#
<b>Andhra Pradesh</b>	2300.10	2323.50	2245.00	1584.00
<b>Assam</b>	2290.52	2360.47	2356.00	1973.00
<b>Bihar</b>	2886.40	3020.86	3095.54	2860.89
<b>Chhattisgarh</b>	3666.00	3791.00	3759.00	4092.89
<b>Gujarat</b>	904.35	906.63	892.03	849.70
<b>Haryana</b>	1447.00	1327.20	1281.00	1319.84
<b>Jharkhand</b>	1357.73	1411.00	1445.00	737.38
<b>Karnataka</b>	1185.00	1397.10	1397.90	946.00
<b>Kerala</b>	198.18	205.04	195.74	50.41
<b>Madhya Pradesh</b>	2016.00	2117.00	2109.00	3220.00
<b>Maharashtra</b>	1552.99	1560.57	1678.20	1472.40
<b>Odisha</b>	3940.71	4038.24	3941.66	3657.94
<b>Punjab</b>	2920.00	2928.00	2969.00	3133.00
<b>Rajasthan</b>	219.52	231.47	196.46	231.22
<b>Tamil Nadu</b>	1907.41	2036.24	2205.47	893.67
<b>Telangana</b>	2011.00	3186.40	3654.90	2359.00
<b>Uttar Pradesh</b>	5737.00	5678.00	5702.00	5778.00
<b>Uttarakhand</b>	247.00	254.00	257.00	237.00
<b>West Bengal</b>	5490.98	5585.63	5595.54	4267.00
<b>Others</b>	1384.42	1410.34	1402.93	1079.66
<b>All India</b>	<b>43662.30</b>	<b>45768.69</b>	<b>46379.36</b>	<b>40742.98</b>

\* - As per 4<sup>th</sup> Advance Estimates # - Kharif Only

**Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for  
reply on 03/02/2023****Wheat (Rabi)**

(000 hectares)

State/ UT	2019-20	2020-21	2021-22*
<b>Bihar</b>	2150.18	2222.50	2238.76
<b>Chhattisgarh</b>	109.80	160.13	156.12
<b>Gujarat</b>	1018.00	1017.00	1040.00
<b>Haryana</b>	2533.90	2564.00	2304.70
<b>Himachal Pradesh</b>	286.00	333.15	333.15
<b>Jharkhand</b>	214.78	232.76	227.56
<b>Karnataka</b>	150.00	203.00	165.00
<b>Madhya Pradesh</b>	6551.00	6083.00	6500.00
<b>Maharashtra</b>	1056.97	1126.20	1168.50
<b>Punjab</b>	3521.00	3530.40	3524.00
<b>Rajasthan</b>	3118.00	3002.00	2580.00
<b>Uttar Pradesh</b>	9853.00	9852.00	9420.00
<b>Uttarakhand</b>	316.00	312.00	298.00
<b>West Bengal</b>	188.31	193.27	220.51
<b>Others</b>	290.08	293.74	293.11
<b>All India</b>	<b>31357.02</b>	<b>31125.16</b>	<b>30469.40</b>

\* - As per 4<sup>th</sup> Advance Estimates

**Annexure II (Continued)****Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023****Area under Maize**

(000 hectares)

State/ UT	2019-20	2020-21	2021-22*	2022-23#
<b>Andhra Pradesh</b>	301.00	301.00	342.00	121.00
<b>Assam</b>	36.64	41.15	37.00	39.00
<b>Bihar</b>	673.14	649.19	662.64	192.23
<b>Chhattisgarh</b>	128.18	113.89	130.58	125.11
<b>Gujarat</b>	438.36	388.93	390.49	287.42
<b>Haryana</b>	6.00	6.63	4.97	7.93
<b>Himachal Pradesh</b>	287.44	267.41	267.43	267.43
<b>Jharkhand</b>	256.77	298.15	284.75	204.29
<b>Karnataka</b>	1424.00	1726.00	1592.40	1372.00
<b>Kerala</b>	0.11	0.11	0.08	0.03
<b>Madhya Pradesh</b>	1404.00	1405.00	1403.00	1614.00
<b>Maharashtra</b>	1126.65	1182.24	1294.60	876.10
<b>Odisha</b>	65.07	77.92	102.04	88.74
<b>Punjab</b>	114.60	107.80	105.20	97.00
<b>Rajasthan</b>	891.11	993.10	951.74	939.74
<b>Tamil Nadu</b>	333.56	400.21	400.89	206.81
<b>Telangana</b>	561.00	259.00	412.10	245.00
<b>Uttar Pradesh</b>	729.00	773.00	748.00	678.00
<b>Uttarakhand</b>	21.00	20.00	21.00	22.00
<b>West Bengal</b>	302.03	360.81	369.00	50.00
<b>Others</b>	533.17	588.32	580.26	554.78
<b>All India</b>	<b>9569.08</b>	<b>9891.96</b>	<b>10037.12</b>	<b>7919.65</b>

\* - As per 4<sup>th</sup> Advance Estimates # - Kharif Only

**Annexure II (Continued)**

**Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for  
reply on 03/02/2023**

**Area under Tur**

(000 hectares)

<b>State/ UT</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22*</b>	<b>2022-23#</b>
<b>Andhra Pradesh</b>	243.00	231.00	252.00	239.00
<b>Bihar</b>	16.75	14.60	12.99	14.78
<b>Chhattisgarh</b>	51.16	45.36	43.44	44.50
<b>Gujarat</b>	212.70	241.02	250.84	210.32
<b>Jharkhand</b>	230.56	235.39	253.64	173.00
<b>Karnataka</b>	1545.00	1631.00	1719.00	1568.00
<b>Madhya Pradesh</b>	249.00	219.00	370.20	437.00
<b>Maharashtra</b>	1195.50	1274.02	1335.00	1158.40
<b>Odisha</b>	128.63	129.69	126.06	150.00
<b>Tamil Nadu</b>	41.81	47.33	48.21	39.97
<b>Telangana</b>	295.00	325.70	314.00	225.00
<b>Uttar Pradesh</b>	285.00	296.00	290.00	300.00
<b>Others</b>	38.36	34.33	33.07	24.97
<b>All India</b>	<b>4532.47</b>	<b>4724.45</b>	<b>5048.45</b>	<b>4584.94</b>

\* - As per 4<sup>th</sup> Advance Estimates # - Kharif Only

**Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023****Gram (Rabi)**

(000 hectares)

<b>State/ UT</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22*</b>
<b>Andhra Pradesh</b>	459.00	469.00	445.00
<b>Bihar</b>	52.80	51.81	51.65
<b>Chhattisgarh</b>	381.77	301.59	331.63
<b>Gujarat</b>	405.05	816.21	1101.56
<b>Haryana</b>	43.97	35.69	38.00
<b>Jharkhand</b>	230.07	265.90	260.28
<b>Karnataka</b>	864.00	713.00	711.00
<b>Madhya Pradesh</b>	1926.00	2160.00	2028.00
<b>Maharashtra</b>	2043.21	2231.30	2833.80
<b>Odisha</b>	27.82	29.19	35.30
<b>Rajasthan</b>	2463.05	2113.14	2252.89
<b>Telangana</b>	130.00	143.00	155.00
<b>Uttar Pradesh</b>	621.00	611.00	615.00
<b>West Bengal</b>	36.10	39.77	39.95
<b>Others</b>	14.90	15.33	12.58
<b>All India</b>	<b>9698.75</b>	<b>9995.92</b>	<b>10911.63</b>

\* - As per 4<sup>th</sup> Advance Estimates

**Annexure II (Continued)**

**Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023**

**Area under Total Pulses**

(000 hectares)

State/UT	2019-20	2020-21	2021-22*	2022-23#
Andhra Pradesh	1252.00	1244.00	1227.00	300.00
Assam	143.96	142.30	159.00	57.00
Bihar	457.39	448.93	436.43	38.83
Chhattisgarh	757.84	645.80	657.81	141.87
Gujarat	902.37	1397.47	1761.55	396.61
Jharkhand	791.48	848.34	855.20	331.63
Karnataka	3111.50	3126.01	3188.00	2170.00
Madhya Pradesh	4757.20	4867.00	5587.30	2331.00
Maharashtra	4192.37	4528.92	5216.70	1871.50
Odisha	746.79	778.79	828.92	498.36
Rajasthan	6339.60	6145.45	6408.50	3589.09
Tamil Nadu	823.56	802.91	802.23	207.22
Telangana	517.00	591.70	588.00	264.00
Uttar Pradesh	2370.00	2380.00	2434.00	865.00
West Bengal	480.78	465.34	445.69	78.55
Others	343.48	370.36	433.56	184.99
<b>All India</b>	<b>27987.31</b>	<b>28783.32</b>	<b>31029.88</b>	<b>13325.65</b>

\* - As per 4<sup>th</sup> Advance Estimates # - Kharif Only



**Annexure II (Continued)****Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023****Area under Foodgrains**

(000 hectares)

State/UT	2019-20	2020-21	2021-22*	2022-23#
<b>Andhra Pradesh</b>	4089.10	4074.50	3966.00	2066.00
<b>Assam</b>	2487.66	2558.24	2570.00	2074.00
<b>Bihar</b>	6183.15	6359.43	6448.76	3101.05
<b>Chhattisgarh</b>	4735.49	4804.45	4761.54	4414.94
<b>Gujarat</b>	3759.15	4230.29	4594.35	1746.06
<b>Haryana</b>	4591.38	4595.14	4225.77	1853.36
<b>Himachal Pradesh</b>	701.94	727.03	726.84	358.16
<b>Jharkhand</b>	2637.43	2811.02	2833.24	1285.21
<b>Karnataka</b>	7709.10	8235.11	7989.30	5453.00
<b>Madhya Pradesh</b>	15246.09	15014.00	16171.30	7762.00
<b>Maharashtra</b>	11026.24	11345.88	11666.90	4875.30
<b>Odisha</b>	4829.13	4978.46	4973.75	4347.68
<b>Punjab</b>	6595.80	6604.50	6665.40	3233.90
<b>Rajasthan</b>	15809.60	15556.35	14706.55	9872.12
<b>Tamil Nadu</b>	3692.41	3819.58	3962.56	1601.13
<b>Telangana</b>	3194.00	4145.10	4733.00	2882.00
<b>Uttar Pradesh</b>	19949.00	19933.00	19551.00	8386.00
<b>Uttarakhand</b>	805.00	809.00	788.00	433.00
<b>West Bengal</b>	6471.57	6612.34	6638.93	4398.55
<b>Others</b>	2481.29	2581.59	2557.28	1689.30
<b>All India</b>	<b>126994.53</b>	<b>129795.01</b>	<b>130530.46</b>	<b>71832.75</b>

\* - As per 4<sup>th</sup> Advance Estimates # - Kharif Only

**Annexure II (Continued)****Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023****Area under Onion**

(000 hectares)

<b>STATES/UTs</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22 (3rd Adv.Est.)</b>
<b>Andhra Pradesh</b>	44.58	43.00	40.88	44.60
<b>Assam</b>	8.21	8.16	8.29	8.32
<b>Bihar</b>	56.50	58.00	58.34	58.00
<b>Chhattisgarh</b>	26.10	25.33	23.43	23.41
<b>Gujarat</b>	44.33	58.00	67.74	100.00
<b>Haryana</b>	32.01	24.00	21.15	24.10
<b>Himachal Pradesh</b>	2.84	3.06	3.41	3.41
<b>Jammu &amp; Kashmir</b>	4.32	4.32	4.32	4.32
<b>Jharkhand</b>	17.99	19.77	17.59	17.58
<b>Karnataka</b>	166.00	160.00	230.40	231.84
<b>Kerala</b>	0.01	0.01	0.01	0.01
<b>Madhya Pradesh</b>	145.00	173.89	186.92	196.70
<b>Maharashtra</b>	450.00	618.00	703.80	925.20
<b>Manipur</b>	0.52	0.58	0.54	0.54
<b>Meghalaya</b>	0.56	0.56	0.57	0.57
<b>Mizoram</b>	0.27	0.27	0.27	0.27
<b>Nagaland</b>	0.62	0.61	0.60	0.60
<b>Odisha</b>	33.09	27.47	29.98	30.79
<b>Punjab</b>	9.61	10.34	10.35	10.37
<b>Rajasthan</b>	63.10	75.00	82.30	92.00
<b>Sikkim</b>	0.63	0.63	0.27	0.27
<b>Tamil Nadu</b>	32.00	40.00	51.39	52.80
<b>Telangana</b>	13.67	9.50	7.09	9.10
<b>Tripura</b>	0.15	0.16	0.17	0.17
<b>Uttar Pradesh</b>	26.90	28.00	28.55	30.00
<b>Uttarakhand</b>	4.37	4.46	4.49	4.49
<b>West Bengal</b>	35.20	37.39	40.61	43.85
<b>Others</b>	0.95	0.87	0.88	0.89
<b>Total</b>	<b>1219.52</b>	<b>1431.37</b>	<b>1624.29</b>	<b>1914.18</b>

**Annexure referred to in reply to part (c) and (d) of Rajya Sabha Unstarred Q. No. 243 due for reply on 03/02/2023****Area under Sugarcane**

(000 hectares)

States / UT	2019-20	2020-21	2021-22*	2022-23#
Andhra Pradesh	86.00	55.00	47.00	46.00
Assam	29.70	30.50	30.00	30.00
Bihar	223.89	221.12	211.15	218.72
Chhattisgarh	35.18	31.55	34.94	43.71
Gujarat	160.94	219.26	222.96	232.00
Haryana	96.30	99.00	107.70	116.97
Karnataka	429.00	443.00	637.00	637.00
Madhya Pradesh	125.00	95.00	93.00	86.00
Maharashtra	822.40	1142.80	1232.30	1487.80
Punjab	91.00	89.30	87.10	93.80
Tamil Nadu	131.20	127.70	146.02	115.17
Telangana	26.00	22.00	28.00	35.00
Uttar Pradesh	2208.00	2180.00	2177.00	2179.00
Uttarakhand	92.00	46.00	44.00	92.00
West Bengal	19.18	18.80	18.98	19.00
Others	26.9	30.2	30.4	32.1
<b>All India</b>	<b>4602.68</b>	<b>4851.23</b>	<b>5147.55</b>	<b>5464.25</b>

\* - As per 4<sup>th</sup> Advance Estimates # - Kharif Only

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