

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

RAJYA SABHA
UNSTARRED QUESTION NO. 2277
TO BE ANSWERED ON 05/08/2022

LOW AGRICULTURE PRODUCTIVITY

2277. SHRI K. C. VENUGOPAL

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

- (a) The crop-wise details of agriculture productivity, yield in-per-hectare in last five years, year-wise and State-wise;
- (b) Whether the reason for low income of farmers is low productivity yield in-per-hectare of all major crops in the country;
- (c) If so, the details thereof;
- (d) If not, the reasons for low productivity therefor;
- (e) Whether the increase in agricultural productivity requires greater investment in farm inputs;
- (f) If so, the details thereof; and
- (g) the steps taken by Government to increase the investment, both public and private, in agriculture sector?

ANSWER

THE MINISTER OF AGRICULTURE AND FARMERS WELFARE

(SHRI NARENDRA SINGH TOMAR)

(a) to (g): The details of crop-wise productivity, during last five years i.e. 2017-18 to 2021-22 (as per 3rd Advance Estimates), year-wise and state-wise are given at **Annexure**. The Productivity of crops (yield per hectare) is one of the important factors for farmers' income. There are inter-state variations in productivity of major crops on account of difference in the levels of irrigation, weather and temperature conditions, resource endowment, farm mechanization, land-holding size, etc.

Crop productivity is a key determinant of gross value added in agriculture sector. Timely availability and correct method of application of farm inputs is vital for improving the crop productivity. The Government is implementing various schemes for supply of farm inputs, like seeds, fertilizer, agricultural machinery and equipments, irrigation facilities, institutional credit etc. at subsidized rates to the farmer in the country.

Further, Government has taken several steps for increasing investment in agriculture sector which include creation of Agricultural Infrastructure Fund (AIF), Long Term Irrigation Fund (LTIF), Micro Irrigation Fund for water use efficiency, promotion of commercial organic farming, etc. Moreover, under the revamped Rashtriya Krishi Vikas Yojana (RKVY) namely RKVY-RAFTAAR (Remunerative Approaches for Agriculture and Allied sector Rejuvenation), 50 per cent of the regular outlay has been earmarked for infrastructure and assets.

Annexure

Annexure referred to in reply to part (a) to (g) of Rajya Sabha Unstarred Q No. 2277 Due for reply on 05.08.2022

Rice

States	Yield (Kg./Hectare)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	3788	3729	3765	3393	3448
Assam	2171	2153	2176	2209	2236
Bihar	2447	1948	2182	2233	2299
Chhattisgarh	1311	1810	1848	1889	2027
Gujarat	2209	2279	2193	2367	2608
Haryana	3181	3121	3334	3334	3605
Himachal Pradesh	1603	1600	1980	2052	2052
Jharkhand	2350	1895	2219	1951	2012
Karnataka	3038	3012	3067	3072	3093
Kerala	2757	2920	3056	3091	3471
Madhya Pradesh	2026	1880	2370	2085	2276
Maharashtra	1882	2236	1866	2109	2137
Odisha	1739	2004	2122	2182	2311
Punjab	4366	4132	4034	4366	4336
Rajasthan	2365	2291	2189	2739	2436
Tamil Nadu	3630	3562	3760	3379	3628
Telangana	3192	3452	3694	3206	3292
Uttar Pradesh	2283	2704	2705	2733	2679
Uttarakhand	2566	2412	2665	2814	2739
West Bengal	2926	2946	2892	2958	3022
Others	2273	2155	2285	2371	2578
All India	2576	2638	2722	2717	2802

* As per 3rd Advance Estimates

Wheat

States	Yield (Kg./Hectare)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Assam	1386	1398	1273	1379	1359
Bihar	2905	2998	2595	2767	2573
Chhattisgarh	1289	1548	1050	1551	1494
Gujarat	2898	3020	3268	3205	3235
Haryana	4412	4925	4687	4834	4298
Himachal Pradesh	1774	1770	1970	1712	1712
Jharkhand	2121	1847	2046	2337	2085
Karnataka	1193	1090	1198	1291	1291
Madhya Pradesh	2993	2993	2993	2989	3449
Maharashtra	1657	1497	1697	1839	1950
Odisha	2163	1815	1390	1640	1508
Punjab	5077	5188	5003	4868	4128
Rajasthan	3334	3501	3501	3676	3806
Telangana	1388	1877	1842	2640	2640
Uttar Pradesh	3269	3432	3432	3604	3626
Uttarakhand	2749	2910	2861	3062	2909
West Bengal	2667	3012	2708	3077	3000
Others	1799	2440	2171	2150	2394
All India	3368	3533	3440	3521	3484

* As per 3rd Advance Estimates

Jowar

States	Yield (Kg./Hectare)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	2146	1475	2510	3428	3401
Bihar	1066	1066	1067	1067	1067
Chhattisgarh	1483	986	1403	1326	1279
Gujarat	1374	1278	1373	1398	1381
Haryana	519	528	528	525	527
Jharkhand	664	685	751	659	646
Karnataka	1048	945	1194	1205	1185
Kerala	799	817	825	883	939
Madhya Pradesh	2112	2189	1529	1938	1692
Maharashtra	720	535	789	840	1000
Odisha	632	634	633	631	629
Rajasthan	583	832	709	1054	864
Tamil Nadu	1117	1204	1156	1054	950
Telangana	1090	1202	1407	1711	2088
Uttar Pradesh	1270	1247	1349	1578	1578
West Bengal	450	469	528	538	537
Others	929	921	927	945	809
All India	956	849	989	1099	1131

* As per 3rd Advance Estimates

Bajra

States	Yield (Kg./Hectare)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	1927	1031	2328	2281	1782
Bihar	1134	1134	1134	1134	1134
Gujarat	2430	2280	2098	2192	2227
Haryana	1602	2068	2068	2372	2318
Himachal Pradesh	734	730	1020	557	557
Jharkhand	576	578	711	643	583
Karnataka	1241	957	1140	1241	1159
Madhya Pradesh	2435	1921	2219	2256	2368
Maharashtra	849	545	761	955	906
Odisha	619	622	620	622	622
Punjab	598	651	635	640	650
Rajasthan	886	911	1093	1049	1001
Tamil Nadu	2277	2517	2743	2357	2512
Telangana	1057	497	1158	930	1158
Uttar Pradesh	1940	2029	2115	2221	2156
West Bengal	300	402	401	425	428
Others	789	674	829	847	738
All India	1231	1219	1374	1420	1414

* As per 3rd Advance Estimates

Maize

States	Yield (Kg./Hectare)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	6912	5875	6701	5917	6326
Assam	3132	3254	3495	3594	3461
Bihar	3476	3708	2975	3211	5394
Chhattisgarh	2380	2503	2691	2996	3017
Gujarat	1661	1961	1815	1717	1950
Haryana	3167	2644	2833	3026	3133
Himachal Pradesh	2532	2530	2540	2727	2726
Jharkhand	2025	1744	1989	2186	2181
Karnataka	2948	2805	2990	3107	3250
Kerala	2249	1385	1239	1074	2770
Madhya Pradesh	2615	3261	2899	2763	2981
Maharashtra	2868	1906	1740	2978	2627
Odisha	2513	2324	2904	2909	2746
Punjab	3708	3625	3581	3665	3821
Rajasthan	2063	2240	1355	2285	2178
Tamil Nadu	7986	7258	7424	6408	6338
Telangana	4057	3837	5347	6782	5317
Uttar Pradesh	2208	2082	2323	2352	2179
Uttarakhand	1970	1866	1921	2074	2486
West Bengal	4805	6556	6647	6752	7160
Others	1829	2032	1933	1828	2009
All India	3065	3070	3006	3199	3347

* As per 3rd Advance Estimates

Pulses

States	Yield (Kg./Hectare)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	865	558	932	880	985
Assam	748	756	737	764	746
Bihar	954	946	731	839	840
Chhattisgarh	697	721	318	693	708
Gujarat	1016	1029	1172	1295	1548
Haryana	961	1141	924	830	823
Himachal Pradesh	2019	1938	1944	1768	1773
Jharkhand	1055	990	1030	1067	1037
Karnataka	645	528	693	661	630
Kerala	1027	925	966	959	1053
Madhya Pradesh	1084	916	864	1088	1050
Maharashtra	795	670	891	954	965
Odisha	556	574	579	554	531
Punjab	876	938	871	971	968
Rajasthan	639	636	709	692	609
Tamil Nadu	675	648	735	588	596
Telangana	899	861	1062	997	1042
Uttar Pradesh	973	1051	1033	1040	1086
Uttarakhand	874	922	963	973	1057
West Bengal	969	796	801	950	859
Others	956	968	1197	986	1083
All India	853	757	823	885	888

* As per 3rd Advance Estimates

Foodgrains

States	Yield (Kg./Hectare)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	2934	2694	3022	2773	2890
Assam	2091	2078	2105	2145	2154
Bihar	2587	2402	2302	2419	2520
Chhattisgarh	1220	1617	1584	1712	1828
Gujarat	2051	2134	2169	2121	2239
Haryana	3632	3981	3891	3985	3759
Himachal Pradesh	2053	2049	2180	2112	2119
Jharkhand	1957	1623	1817	1733	1729
Karnataka	1542	1422	1658	1767	1680
Kerala	2736	2890	3025	3064	3452
Madhya Pradesh	1963	1970	2199	2188	2369
Maharashtra	1212	1071	1163	1390	1412
Odisha	1533	1766	1870	1913	1990
Punjab	4709	4658	4527	4606	4199
Rajasthan	1402	1437	1469	1561	1460
Tamil Nadu	3028	2972	3052	2834	2988
Telangana	2903	3035	3483	3075	3182
Uttar Pradesh	2594	2803	2816	2915	2886
Uttarakhand	2236	2247	2343	2474	2420
West Bengal	2839	2938	2904	3025	3105
Others	1988	2043	2080	2086	2281
All India	2235	2286	2343	2394	2406

* As per 3rd Advance Estimates

Oilseeds

States	Yield (Kgs./Hect.)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	1328	589	1194	854	681
Assam	638	642	619	646	636
Bihar	1208	1248	1099	1077	1043
Chhattisgarh	461	561	720	613	648
Gujarat	2125	1458	2320	1844	2043
Haryana	2008	2042	1783	2008	1938
Himachal Pradesh	590	590	619	719	719
Jharkhand	713	684	784	788	796
Karnataka	883	824	1025	1033	946
Kerala	900	697	734	409	683
Madhya Pradesh	1046	1247	864	772	1204
Maharashtra	1017	1096	1144	1422	1155
Odisha	625	662	725	927	908
Punjab	1482	1499	1472	1548	1582
Rajasthan	1477	1581	1248	1538	1485
Tamil Nadu	2729	2411	2626	2244	2301
Telangana	1791	1835	1886	1713	1842
Uttar Pradesh	1054	1079	908	1066	1083
Uttarakhand	916	938	965	970	918
West Bengal	1198	1255	1060	1189	1182
Others	947	1015	967	923	1012
All India	1284	1271	1224	1247	1339

* As per 3rd Advance Estimates

Sugarcane

States	Yield (Kgs./Hect.)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	78683	79359	78186	75248	77748
Assam	37402	35063	41010	35845	37257
Bihar	59138	89181	60649	54766	66249
Chhattisgarh	48070	44340	50000	55670	56960
Gujarat	66330	73182	71890	77327	78307
Haryana	84499	78243	80274	86179	81231
Himachal Pradesh	19600	19600	19971	15447	15447
Karnataka	84081	90000	89000	96000	96000
Kerala	109840	105050	127190	115810	129950
Madhya Pradesh	55408	48905	59470	57270	58000
Maharashtra	92000	77200	84280	92000	92000
Odisha	64704	61622	56423	54473	54399
Punjab	83580	81828	80242	83841	85339
Rajasthan	70364	83448	73038	79111	58215
Tamil Nadu	99814	103000	107615	104030	100000
Telangana	74413	79590	77418	79590	76401
Uttar Pradesh	79245	80807	81313	81807	81500
Uttarakhand	69682	69553	75410	80000	80000
West Bengal	75000	84485	79657	75427	80000
Others	56913	52122	52312	53265	55981
All India	80198	80105	80497	83566	84443

* As per 3rd Advance Estimates

Cotton

States	Yield (Kgs./Hect.)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	549	409	649	449	471
Gujarat	660	401	552	540	572
Haryana	416	483	584	419	352
Karnataka	573	331	485	481	490
Madhya Pradesh	457	645	430	387	431
Maharashtra	238	266	251	378	306
Odisha	478	493	579	547	502
Punjab	750	775	827	691	432
Rajasthan	551	548	624	675	558
Tamil Nadu	413	344	418	369	344
Telangana	466	356	546	418	546
Others	415	401	321	275	261
All India	443	378	455	451	445

* As per 3rd Advance Estimates

Jute & Mesta

States	Yield (Kgs./Hect.)				
	2017-18	2018-19	2019-20	2020-21	2021-22*
Andhra Pradesh	1700	1820	1918	1880	1978
Assam	2114	2036	2165	2166	2117
Bihar	2211	2293	2325	2561	2368
Chhattisgarh	347	349	357	358	368
Odisha	1105	1560	938	1148	1680
West Bengal	2616	2644	2805	2635	2867
Others	1131	1553	1451	1540	1510
All India	2435	2508	2641	2542	2685

* As per 3rd Advance Estimates
