

Maize

https://agriwelfare.gov.in/Documents/CWWGDATA/Agricultural_Statistics_at_a_Glance_2022_0.pdf

2.9 (b): Maize: Area, Production and Yield during 2020-21 and 2021-22 in major Producing States alongwith coverage under Irrigation

State	2021-22#				2020-21				Area		
	Area All - India	% to All - India	Production	% to All - India	Yield	Area All - India	% to All - India	Production	% to All - India	Yield	Area - Million Hectares
											Production - Million Tonnes
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	Yield - Kg./ Hectare
											2019-20*
Karnataka	1.59	15.87	5.22	15.53	3279	1.73	17.45	5.36	16.94	3107	32.57
Madhya Pradesh	1.40	13.98	4.57	13.59	3256	1.41	14.20	3.88	12.27	2763	3.70
Maharashtra	1.29	12.90	3.53	10.51	2730	1.18	11.95	3.52	11.12	2978	12.72
Tamilnadu	0.40	3.99	2.81	8.36	7008	0.40	4.05	0.56	1.78	1411	33.60
West Bengal	0.37	3.68	2.64	7.86	7158	0.36	3.65	2.44	7.70	6752	85.74
Bihar	0.66	6.60	2.52	7.51	3809	0.65	6.56	2.08	6.59	3211	73.28
Telengana	0.41	4.11	2.13	6.35	5178	0.26	2.62	1.76	5.55	6782	54.09
Andhra Pradesh	0.34	3.41	2.05	6.09	5990	0.30	3.04	1.78	5.63	5917	75.80
Rajasthan	0.95	9.48	2.04	6.08	2149	0.99	10.04	2.27	7.17	2285	1.86
Others	2.61	25.99	6.09	18.12	2335	2.62	26.44	7.99	25.25	3055	-
All India	10.04	100.00	33.62	100.00	3349	9.89	100.00	31.65	100.00	3199	29.30

Source : E&S Division, DA&FW

Note: States have been arranged in descending order of percentage share of production during 2021-22.

Fourth Advance Estimates.

*-Provisional

2.34: Maize: State-wise Yield

State/ UT	Season	Yield (Kg/hectare)																	
		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	
Andhra Pradesh	Kharif	3538	2402	4125	3147	1986	3730	2812	4145	3487	3290	3680	4176	4678	4134	4717	3807	3390	
	Rabi	5994	6195	5543	7302	6281	7615	6502	6174	6550	7926	7184	7867	7956	6992	7630	7203	7585	
	Total	4073	3397	4607	4873	3527	5317	4234	4995	4833	6396	6056	6612	6912	5875	6701	5917	5990	
Arunachal Pradesh	Kharif	1373	1363	1338	1365	1363	1397	1434	1423	1423	1533	1532	1472	1486	1530	1514	1532	NA	
	Rabi	1474	1452	1410	1400	1485	1690	1736	1496	1681	1684	1580	1620	1665	NA	1700	1716	NA	
	Total	1382	1371	1344	1371	1380	1435	1473	1436	1467	1563	1542	1500	1521	1530	1550	1570	113 NA	
Assam	Kharif	721	778	722	724	726	722	719	897	898	3333	3070	2911	3132	3254	3495	3594	3461	
Bihar	Autumn/Kharif	1518	1532	956	1518	1773	1806	2358	2476	2103	2476	2559	2586	2400	2078	2078	1163	1797	
	Rabi	2641	3597	2766	3394	2660	2467	2404	4309	3358	3854	4201	4309	4005	4524	3380	4081	4524	
	Summer/Garma	2385	3249	3741	NA														
	Total	2098	2678	2724	2676	2341	2230	2386	3611	2884	3313	3571	3732	3476	3708	2975	3211	3809	
Chhattisgarh	Kharif	1076	1225	1567	1402	1399	1807	1654	1938	2062	1886	1693	2691	2380	2503	2691	2996	3017	
Goa	Kharif	5000	5000	5000	6000	6000	NA												
Gujarat	Kharif	1124	698	1375	1439	964	1636	1393	1676	1267	1558	1326	1683	1551	1770	1497	1521	1770	
	Rabi	NA	NA	NA	1700	1593	1645	1915	1953	2023	2000	1989	2023	2000	2563	2509	2265	2522	
	Total	NA	NA	NA	NA	1481	1072	1637	1523	1727	1477	1652	1478	1780	1661	1961	1815	1717	1954
Haryana	Kharif	2125	2286	2643	2159	2250	1900	2667	2556	3000	2250	2833	3400	3167	2644	2833	3026	3133	
Himachal Pradesh	Kharif	1839	2326	2873	2273	1839	2263	2432	2233	2228	1979	2507	2672	2532	2530	2540	2727	2727	
Jammu & Kashmir	Kharif	1413	1505	1569	2005	1566	1712	1608	1648	1776	1204	1782	1833	1805	2180	2015	1759	NA	
Jharkhand	Autumn/Kharif	1309	1203	1500	1346	1100	1181	1473	1790	2017	1768	1324	1927	2025	1740	1986	2181	2218	
	Rabi	1622	1806	1722	2123	1858	2061	1970	2689	1807	1530	1794	1796	2031	1905	2099	2305	2373	
	Total	1315	1230	1509	1407	1168	1215	1492	1812	2012	1763	1332	1923	2025	1744	1989	2186	2225	
Karnataka	Kharif	2919	2839	2893	2821	2415	3515	3022	2563	2872	3131	2734	2367	2869	2755	2906	3051	3231	
	Rabi	3000	2658	3231	2861	2500	2845	3084	3106	3098	3354	2535	3037	3710	3377	3781	3546	3626	
	Summer	2000	3125	3300	3143	2750	3323	NA											
	Total	2915	2829	2924	2833	2430	3450	3028	2629	2894	3152	2713	2419	2948	2805	2990	3107	3279	
Madhya Pradesh	Kharif	1450	976	1288	1361	1256	1266	1492	1790	1767	1880	2350	2585	2585	3256	3282	2743	3256	
Maharashtra	Kharif	2134	1996	2706	2405	2275	3022	2890	2296	2856	1868	1681	3246	3116	1922	1363	3241	2670	
	Rabi	1976	1924	2426	2257	2455	2456	2110	1820	2346	1799	1799	2400	1833	2559	2449	2554	NA	
	Total	2106	1983	2664	2382	2302	2920	2762	2219	2727	2045	1712	3009	2868	1906	1740	2978	2730	
Manipur	Kharif	2724	2724	2800	2674	2436	1856	1768	2301	2246	2243	2304	2194	2343	2205	2228	2362	NA	
Meghalaya	Kharif	1426	1471	1468	1503	1529	1499	1529	1554	2200	2259	2284	2291	2293	2294	2298	2300	NA	
Mizoram	Kharif	1917	1942	69	967	1337	1502	1214	1305	1424	1521	1756	1540	1605	1797	1758	1824	NA	
	Rabi	2222	2668	1000	1000	1667	1667	1238	1611	1294	1286	208	1570	1355	1558	1359	1602	NA	
	Total	1940	1963	95	969	1347	1508	1214	1314	1420	1515	1342	1584	1780	1727	1807	NA	NA	

contd.

*4th Advance Estimates.

NA: Not Available.

State/ UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Nagaland	Kharif	1800	1674	1788	1800	1075	1958	1960	1961	1969	1975	1979	1980	1982	1982	1984	1988	NA
Odisha	Kharif	1587	1655	1976	1986	2155	2540	2040	2393	2766	2039	1967	2824	2503	2307	2877	2919	2783
	Rabi	2188	2368	2241	2609	2247	2778	2496	2793	2905	2608	2618	2911	2721	2610	3333	2614	2668
	Total	1602	1677	1987	2007	2157	2549	2063	2408	2771	2053	1996	2827	2513	2324	2909	2779	
Punjab	Kharif	2723	3123	3405	3404	3417	3692	3984	3682	3900	3651	3687	3836	3708	3625	3581	3665	3929
Rajasthan	Kharif	1098	1085	1860	1737	1044	1796	1583	1763	1597	1740	1318	1501	2033	2240	1297	2240	2089
	Rabi	1429	1429	1667	1429	1429	NA	3434	3844	3729	NA	3705	NA	3909	-	4513	4901	5682
	Total	1098	1086	1860	1736	1044	1796	1594	1780	1621	1740	1334	1501	2063	2240	1355	2285	2149
Sikkim	Kharif	1491	1491	1601	1544	1671	1648	1657	1700	1724	1727	1754	1763	1767	1768	1769	1770	NA
Tamil Nadu	Kharif	1170	3224	2952	3668	4301	3858	5682	3554	5682	5682	7103	4554	9219	7598	8115	7276	7303
	Rabi	1215	5047	5091	5763	5431	5452	6649	2819	5002	7500	6888	1255	6692	6998	6717	5287	6619
	Total	1189	3838	3627	4389	4685	4458	6042	3252	5372	6423	7010	3026	7988	7258	7424	6408	7008
Telangana	Kharif	NA	2699	2557	2761	3450	3105	4845	4646									
	Rabi	NA																
	Total	NA	3335	3056	3321	4057	3837	5347	6782									
Tripura	Kharif	1000	960	1000	952	1006	1322	1353	1295	1277	1292	1385	1362	1408	1289	1422	1692	NA
Uttar Pradesh	Kharif	1284	1326	1437	1495	1456	1468	1654	1654	1654	1778	1850	1876	2192	2067	2302	2309	2123
	Rabi	3341	1567	1615	1621	2800	2667	1810	2105	2183	1838	1889	2038	2383	2254	2547	2828	2877
	Total	1295	1335	1443	1499	1465	1477	1662	1677	1703	1784	1855	2064	2208	2082	2323	2352	2180
Uttarakhand	Kharif	1333	1333	1483	1303	1357	1503	1464	1437	1419	2070	1696	1682	1970	1866	1921	2074	2486
West Bengal	Kharif	2076	2166	2095	2658	2183	2508	2270	2384	2687	2688	2739	2692	2697	3396	3404	3132	3046
	Rabi	3913	4265	4690	5106	5619	4904	4497	4923	4765	5056	5463	5043	5463	7362	7291	7362	7832
	Summer	NA	NA	3583	4272	4587	4716	NA										
A & N Islands	Kharif	2533	2968	3166	3783	3942	3977	3722	3947	4059	4350	4654	4367	4805	4805	6647	6752	7158
Others	Kharif	1000	2000	4500	3000	2000	2476	2125	2000	2254	3526	2933	2087	862	1510	NA	2680	NA
	Rabi	NA	2027															
	Total	NA	2043															
All India	Kharif	1799	1660	2122	2048	1740	2285	2234	2246	2346	2249	2236	2413	2706	2648	2572	2779	2879
	Rabi	3076	3793	3854	4387	3694	4003	3768	4152	4050	4414	4006	3897	4436	4893	4631	4723	5046
	Total	1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2563	2689	3065	3070	3006	3119	3349

Source: E&S Division, DA&FW

*4th Advance Estimates.

NA: Not Available.

Appendix-V(contd.)

States/UTs	Period	Kharif	Kharif	Rabi	Spring Maize
		Cotton	Maize	Maize	
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	Jun(E)-Jul(E)	Jun(M)-Jul(M)	Oct(E)-Jan(M)	
	Harvesting	Dec(B)-Jan (E)	Sep(M)-Oct(E)	Feb(E)-May(B) Bihar	
Gujarat	Sowing	Jun(M)-Jul(B)	Nov(B)-Dec(E)	Feb(B)-Feb(E)	
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Nov(M)	Feb(B)-Mar(B)	May(B)-May(E)
Haryana	Sowing	May(E)-June(E)	Jun(E)-Jul(B)	Oct(M)-Nov(E)	
	Harvesting	Oct(B)-Nov(E)	Sep(B)-Nov(B)	Feb(M)-Mar(E)	
Himachal Pradesh	Sowing	Apr(M)-May(M)	Jul(B)-Jul(M)		Feb(B)-Mar (E)
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Oct(E)		May(B)-June (E)
Jammu	Sowing		May(M)-Jun(E)	Oct(B)-Oct(E)	
	Harvesting		Sep(B)-Oct(E)	Feb(B)-Mar(E)	
Kashmir	Sowing		May(B)-May(E)		
	Harvesting		Oct(B)-Oct(E)		
Karnataka	Sowing		May(M)-Jun(E)	Oct(B)-Oct(E)	
	Harvesting		Sep(B)-Oct(E)	Feb(B)-Mar(E)	
Kerala	Sowing	May(B)-June(E)	Jun(M)-Jul(M)		
	Harvesting	Oct (B)-Dec(E)	Sep(M)-Oct(E)		
Madhya Pradesh	Sowing	Jun-Jul	Jun(M)-Jul(E)	Oct(M)-Dec(M)	
	Harvesting	Oct.-Nov.	Sept(M)-Nov(E)	March(E)-May(E)	
Maharashtra	Sowing	June (M)-June (E)	Jul(B)-Aug(E)	Oct(M)-Dec(M)	
	Harvesting	Nov-Jan	Oct(B)-Nov(E)	March(E)-May(E)	
Odisha	Sowing	Jun-July	Jun-Jul		
	Harvesting	Nov-Dec	Sep-Oct		
Punjab	Sowing	Apr(M)-May(M)	May(B)-Jun(E)		Feb(B)-Mar (E)
	Harvesting	Oct(B)-Nov(E)	Sep(B)-Oct(E)		Apr(B)-May(E)
Rajasthan	Sowing	Apr(B)-May(M)	Jun(E)-Jul(M)	Oct(M)-Dec(M)	
	Harvesting	Nov(B)-Dec(E)	Oct(B)-Nov(E)	March(E)-May(E)	
Uttar Pradesh	Sowing	Apr(B)-Jun(E)	Jun(M)-Jul(M)	Oct(M)-Nov(M)	Feb(B)-Mar(E)
	Harvesting	Sep(B)-Nov(E)	Sep(M)-Oct(M)	March(E)-May(E)	May(B)-May(E)
West Bengal	Sowing	Oct(B)-Nov(E)	May(E)-Jun(E)	Nov(B)-Nov(E)	Feb(B)-Feb(E)
	Harvesting	June(B)-Aug(E)	Sep(M)-Oct(M)	Mar(B)-Mar(E)	May(B)-May(E)
Tamil Nadu	Sowing	Aug-Sept	Jun(E)-Jul(M)	Sep(E)-Oct(E)	Jan(E) - Feb (E)
	Harvesting	Feb(B)-April(E)	Oct(M)-Oct(E)	Jan(B)-Jan(E)	May (B) - May (E)
Telengana	Sowing	Jun(E)-Jul(E)	Jun(M)-Jul(M)	Oct(E)-Jan(M)	
	Harvesting	Dec(B)-Dec (E)	Sep(M)-Oct(E)	Feb(E)-May(B)	
All India	Sowing	Apr-Jul	May-Aug	Sep-Jan	Jan(E) - Mar (E)
	Harvesting	Sep-Dec	Sep-Nov	Jan-May	May (B) - May (E)

<https://databank.nedfi.com/cereal-crops/maize-0>

Maize

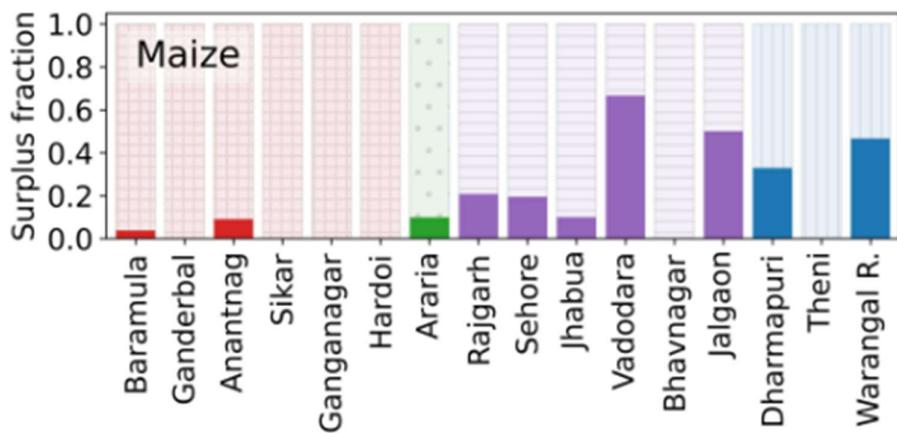
District-wise Estimates of Area, Production and Yield of Maize, 2018-19, 2019-20 and 2022-23:

(Area in Hectares, Production in Tonnes, Yield in Tonnes/Hectares)

Districts	Season	Area	Production	Yield
2022-23				
Dhalai	Kharif	2,965.00	6,147.00	2.07
	Rabi	617	2,259.00	3.66
Gomati	Kharif	1,706.00	3,174.00	1.86
	Rabi	1,136.00	3,796.00	3.34
Khawai	Kharif	974	1,860.00	1.91
	Rabi	227	779	3.43
North Tripura	Kharif	1,568.00	2,798.00	1.78
	Rabi	91	310	3.41
Sepahijala	Kharif	694	1,475.00	2.13
	Rabi	311	1,222.00	3.93
South Tripura	Kharif	1,464.00	3,116.00	2.13
	Rabi	375	1,266.00	3.38
Unakoti	Kharif	553	1,090.00	1.97
	Rabi	295	1,095.00	3.71
West Tripura	Kharif	1,225.00	2,240.00	1.83
	Rabi	517	1,782.00	3.45

Districts	Season	Area	Production	Yield
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https://india.mongabay.com/2023/07/new-report-unveils-district-wise-crop-residue-estimates-for-bioenergy-production/?utm_source=chatgpt.com



<https://www.tifac.org.in/index.php/reports-publications/recent-publications/2-uncategorised/1062-estimation-of-surplus-crop-residues-in-india-for-biofuel-production>

Table 12: Total annual surplus crop biomass generated (000 t) in the different States of India

States	Rice	Wheat	Maize	Sugarcane	Tur	Gram	Soybean	Rapeseed-Mustard	Ground-nut	Cotton	Castor	Total
Andaman & Nicobar	1.66	0.00	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	1.68
Andhra Pradesh	1340.52	0.00	141.92	3088.27	76.87	508.86	2.31	5.82	425.88	2550.85	32.92	8174.22
Arunachal Pradesh	35.32	0.94	8.03	4.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.70
Assam	1134.64	3.24	13.22	140.18	7.51	2.62	0.00	153.62	0.00	0.07	0.57	1455.08
Bihar	3043.12	824.36	394.88	940.37	30.64	55.42	0.00	93.41	0.00	0.00	0.02	5382.21
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Chhattisgarh	1461.19	44.31	28.08	5.69	57.10	292.15	69.09	57.30	7.33	0.00	0.06	2022.30
Dadar & Nagar Haveli	2.38	0.00	0.00	0.00	0.36	0.00	0.00	0.00	0.00	0.00	0.00	2.75
Daaman & Diu	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	63.92	0.00	0.00	5.90	0.00	0.00	0.00	0.00	1.15	0.00	0.00	70.98
Gujarat	937.41	1654.36	314.86	1223.15	164.98	557.11	32.01	205.66	841.12	5092.10	2643.81	13666.58
Haryana	1827.19	1469.98	3.35	331.00	8.85	96.73	0.00	1504.46	0.93	4812.23	1.64	10056.37
Himachal Pradesh	155.88	182.14	285.06	4.78	0.00	0.58	0.32	1.96	0.00	0.00	0.00	630.73
Jammu & Kashmir	70.46	68.81	42.76	0.00	0.00	0.00	0.00	16.25	0.00	0.00	0.00	198.28
Jharkhand	1482.81	18.35	47.05	5.53	62.40	335.96	2.36	81.76	0.00	0.00	0.00	2036.22
Karnataka	413.00	27.26	1879.89	2667.61	158.88	1637.54	128.52	1.31	340.85	1455.97	6.55	8717.38
Kerala	92.67	0.00	0.00	26.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119.01
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Madhya Pradesh	571.25	4500.38	215.77	224.35	511.80	470.23	4266.45	183.67	62.52	252.89	1.37	11260.66
Maharashtra	613.79	691.92	802.77	9250.87	262.17	3035.21	4336.06	1.02	70.91	6367.24	3.66	25415.61
Manipur	636.78	0.41	39.62	42.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	719.06
Meghalaya	59.89	0.04	19.23	0.02	1.50	3.03	1.94	0.00	0.00	0.88	0.04	86.56
Mizoram	59.70	0.00	7.78	1.906	0.00	0.00	2.34	0.07	0.00	0.00	0.00	71.81
Nagaland	84.90	0.00	18.05	18.51	2.70	1.84	11.23	0.00	0.23	0.01	0.29	135.76
Odisha	1971.68	0.00	66.45	178.22	90.93	11.51	0.00	1.36	13.02	65.79	4.95	2403.90
Puducherry	3.70	0.00	0.00	18.68	0.00	0.00	0.00	0.00	0.14	0.08	0.00	22.60

Punjab	16787.33	9374.75	303.45	840.76	16.28	79.21	0.00	99.94	6.48	3429.82	0.00	30938.02
Rajasthan	0.00	0.00	0.00	52.94	9.12	1105.43	898.27	2452.70	397.45	234.85	287.71	5438.46
Sikkim	4.20	0.18	12.20	0.00	0.00	0.00	1.80	0.00	0.00	0.00	0.00	18.38
Tamil Nadu	1247.30	0.00	551.38	4591.51	67.53	5.46	0.00	0.01	1452.30	232.56	1.97	8170.02
Telangana	905.25	0.00	231.59	799.75	102.46	108.73	164.87	1.23	162.93	5223.21	31.69	7731.71
Tripara	141.48	0.03	0.36	6.73	1.39	0.00	0.00	0.00	0.00	0.18	0.00	150.16
Uttar Pradesh	7437.92	6021.02	539.67	16787.69	120.17	403.73	9.99	238.73	36.62	0.95	0.00	31596.50
Uttarakhand	184.24	121.00	18.95	302.01	1.08	0.31	22.67	3.73	0.57	0.00	0.00	654.56
West Bengal	1085.21	66.80	51.83	0.00	0.64	93.80	0.00	53.06	52.36	0.15	0.00	1343.35
All India	43857.0	25070.3	6036.2	41539.4	1755.4	8724.3	9950.2	5157.1	3872.8	29739.8	3017.2	178739.9

Table 20: Total area, dry biomass (generation and surplus) and alcohol production potential of Kharif maize crop in India

States	Area (000 ha)	Dry biomass generation (000 t)	Surplus biomass (000 t)	Ethanol production potential (Million L)
Andaman & Nicobar	-1.00	-1.00	-1.00	-1.00
Andhra Pradesh	86.21	380.68	37.69	8.40
Arunachal Pradesh	46.19	81.11	8.03	1.79
Assam	23.36	53.43	13.22	2.95
Bihar	268.29	875.51	140.77	31.39
Chandigarh	0.03	0.07	0.00	0.00
Chhattisgarh	126.28	283.69	28.08	6.26
Dadar & Nagar Haveli	0.08	0.10	0.00	0.00
Daman & Diu	-1.00	-1.00	-1.00	-1.00
Delhi				
Goa	-1.00	-1.00	-1.00	-1.00
Gujarat	400.48	754.98	224.23	50.00
Haryana	10.21	33.85	3.35	0.75
Himachal Pradesh	294.30	822.69	285.06	63.57
Jammu & Kashmir	297.50	431.95	42.76	9.54
Jharkhand	249.96	475.24	47.05	10.49
Karnataka	1192.90	4334.20	1716.34	382.74
Kerala	-1.00	-1.00	-1.00	-1.00
Lakshadweep				
Madhya Pradesh	916.90	2194.98	215.77	48.12
Maharashtra	740.85	2414.50	669.30	149.25
Manipur	17.69	41.17	28.53	6.36
Meghalaya	12.04	27.75	19.23	4.29
Mizoram	6.49	10.88	7.54	1.68
Nagaland	63.55	149.99	14.85	3.31
Odisha	154.33	335.60	66.45	14.82
Puducherry	-1.00	-1.00	-1.00	-1.00
Punjab	135.17	609.22	303.45	67.67
Rajasthan	1002.74	2022.56	0.00	0.00
Sikkim	39.81	123.24	12.20	2.72
Tamil Nadu	230.02	1339.18	331.45	73.91
Telangana	473.78	1836.45	181.81	40.54
Tripura	4.55	7.19	0.36	0.08
Uttar Pradesh	685.83	1426.83	525.27	117.14
Uttarakhand	24.53	47.69	18.89	4.21
West Bengal	86.80	376.43	37.27	8.31
All India	7590.87	21491.16	4978.95	1110.31

Table 21: Total area, dry biomass (generation and surplus) and alcohol production potential of rabi maize crop in India

States	Area (000 ha)	Dry biomass generation (000 t)	Surplus biomass (000 t)	Ethanol production potential (Million L)
Andaman & Nicobar	0.14	0.44	0.02	0.00
Andhra Pradesh	207.86	1949.75	104.23	23.24
Arunachal Pradesh				
Assam	-1.00	-1.00	-1.00	-1.00
Bihar	247.49	1206.02	254.11	56.67
Chandigarh	-1.00	-1.00	-1.00	-1.00
Chhattisgarh	0.03	0.14	0.00	0.00
Dadar & Nagar Haveli	-1.00	-1.00	-1.00	-1.00
Daman & Diu	-1.00	-1.00	-1.00	-1.00
Delhi				
Goa	-1.00	-1.00	-1.00	-1.00
Gujarat	132.82	305.14	90.63	20.21
Haryana	-1.00	-1.00	-1.00	-1.00
Himachal Pradesh	-1.00	-1.00	-1.00	-1.00
Jammu & Kashmir	-1.00	-1.00	-1.00	-1.00
Jharkhand				
Karnataka	112.30	412.99	163.54	36.47
Kerala				
Lakshadweep				
Madhya Pradesh	-1.00	-1.00	-1.00	-1.00
Maharashtra	161.49	481.48	133.47	29.76
Manipur	5.50	16.01	11.09	2.47
Meghalaya	-1.00	-1.00	-1.00	-1.00
Mizoram	0.20	0.35	0.24	0.05
Nagaland	5.14	12.15	1.20	0.27
Odisha				
Puducherry	-1.00	-1.00	-1.00	-1.00
Punjab	-1.00	-1.00	-1.00	-1.00
Rajasthan				
Sikkim	-1.00	-1.00	-1.00	-1.00
Tamil Nadu	130.86	888.61	219.93	49.04
Telangana	149.39	931.15	49.78	11.10
Tripura				
Uttar Pradesh	11.14	37.52	14.40	3.21
Uttarakhand	0.06	0.16	0.06	0.01
West Bengal	25.56	147.13	14.57	3.25
All India	1189.98	6389.02	1057.28	235.77

Table 36: Districtwise crop wise and seasonwise surplus factors

Assam	East Kameng	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	East Siang	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Kurung Kumey	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Lohit	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Lower Dibang Valley	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Lower Subansiri	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Papum-Pare	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Tawang	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Tirap	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Upper Siang	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Upper Subansiri	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	West Kameng	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	West Siang	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Baksa	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Barpeta	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Bongaigaon	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Cachar	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Chirang	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Darrang	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Dhemaji	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Dhuburi	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Dibrugarh	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	
Goalpara	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0	0.5	-1.0	

State	District	Rice		Wheat	Maize		Sugarcane	Gram	Tur	Soybean	Mustard	Cotton		Ground nut		Castor			
Assam	Golaghat	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	-1.0		
	Hailakandi	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Jorhat	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Kamrup Metro	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Kamrup Rural	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Karbi Anglong	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Karimganj	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Kokrajhar	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Lakhimpur	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Marigaon	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Nagaon	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Nalbari	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
Bihar	North Cachar Hills	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Sibsagar	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Sonitpur	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Tinsukia	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Udalguri	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Araria	0.3	0.1	0.1	0.1	0.3	-1.0	0.4	0.5	0.5	-1.0	0.4	0.1	-1.0	-1.0	-1.0	0.5	-1.0	
	Arwal	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	0.1	-1.0
Jharkhand	Aurangabad	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	0.1	-1.0
	Banka	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	0.1	-1.0
	Begusarai	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	0.1	-1.0
	Bhadrak	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	0.1	-1.0
	Bhadrak	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	0.1	-1.0
	Bhadrak	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	0.1	-1.0

State	District	Rice		Wheat	Maize		Sug- car- cane	Gram	Tur	Soy- bean	Mus- tard	Cotton			Ground nut			Castor		
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	
Bihar	Saharsa	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	+1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Samastipur	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Saran	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Sheikh-pura	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Sheohar	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Sitamarhi	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Siwan	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Supaul	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Vaishali	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
	Chandigarh	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	-1.0	0.4	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.1	-1.0
Chhattisgarh	Balod	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.0	0.0	0.0	-1.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Jharkhand	Baloda Bazar	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Balrampur	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Bastar	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Bemetara	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Bijapur	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Bilaspur	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Dante-wara	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Dhamtari	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Durg	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Gariya-band	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
Orissa	Jangir-Champa	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0
	Jashpur	0.1	-1.0	-1.0	0.2	0.1	0.0	0.4	0.3	0.6	0.3	1.0	0.0	-1.0	-1.0	0.1	-1.0	-1.0	0.2	0.0

State	District	Rice		Wheat	Maize		Sug- ar- cane	Gram	Tur	Soy- bean	Mus- tard	Cotton		Ground nut		Castor			
	Shahadra																		
	South																		
	South East																		
	South West Delhi																		
	West Delhi																		
Goa	North Goa																		
	South Goa	0.3	0.3	-1.0	-1.0	-1.0	0.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.1	0.1	-1.0	0.0		
Gujarat	Ahmeda- bad	0.3	0.3	-1.0	-1.0	-1.0	0.4	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	0.1	0.1	-1.0	0.0		
	Amreli	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Anand	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Aravalli	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Banas Kantha	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Bharuch	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Bhavnag- gar	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Botad	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Chhota Udepur	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Dahod	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Dangs	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Devb- humni Dwarka	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Gandhi- nagar	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Gir Som- nath	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Jamnagar	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Junagadh	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Kachchh	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Kheda	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Mahesana	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Mahisa- gar	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Morbi	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Narmada	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Navsari	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Panch Mahals	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Patan	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Porban- dar	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Rajkot	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Sabar Kantha	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Surat	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Suren- dranagar	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Tapi	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Vadodara	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Valsad	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
Haryana	Ambala	0.3	-1.0	0.3	0.3	0.3	0.4	0.8	0.2	0.3	0.3	0.3	-1.0	-1.0	0.2	0.2	0.8	-1.0	
	Bhiwani	0.3	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.4	0.2	0.0	0.8	0.9	-1.0	-1.0	0.2	-1.0	0.8	-1.0
	Faridabad	0.3	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.4	0.2	0.0	0.8	0.9	-1.0	-1.0	0.2	-1.0	0.8	-1.0
	Fatehabad	0.5	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.4	0.2	0.0	0.8	0.9	-1.0	-1.0	0.2	-1.0	0.8	-1.0
	Gurugram	0.5	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.4	0.2	0.0	0.8	0.9	-1.0	-1.0	0.2	-1.0	0.8	-1.0
	Hisar	0.1	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.4	0.2	0.0	0.8	0.9	-1.0	-1.0	0.2	-1.0	0.8	-1.0
	Jhajjar	0.3	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.4	0.2	0.0	0.8	0.9	-1.0	-1.0	0.2	-1.0	0.8	-1.0
	Jind	0.3	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.4	0.2	0.0	0.8	0.9	-1.0	-1.0	0.2	-1.0	0.8	-1.0

State	District	Rice		Wheat		Maize		Sug- car- cane	Gram	Tur	Soy- bean	Mus- tard	Cotton			Ground nut			Castor	
		Area	Production	Area	Production	Area	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	Production	
Jharkhand	Loharda-ga	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Pakur	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Palamu	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Pashchimi Singh-bhum	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Perbi Singbhum	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Ramgarh	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Ranchi	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Sahibganj	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Saraikela Khar-sawan	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Simdega	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
Karna-taka	Bagalkot	0.2	-1.0	-1.0	0.1	0.1	-1.0	0.4	0.8	0.1	0.3	0.3	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Ballari	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	
	Belagavi	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	
	Bengalu-ru Rural	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	
	Bengalu-ru Urban	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	
	Bidar	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	
	Chamarajanagar	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	
	Chikbal-lapur	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	
	Chik-kamag-aluru	0.1	0.1	0.1	0.1	0.4	0.4	0.2	0.8	0.1	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	-1.0	

State	District	Rice		Wheat		Maize		Sug- ar- cane	Gram	Tur	Soy- bean	Must- ard	Cotton			Ground nut			Castor	
Karnataka	Kasargod	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Kollam	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Kottayam	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Kozikode	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Malappuram	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Palakkad	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Pattanamittia	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Thiruvananthapuram	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Thrissur	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
	Wayanad	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
Lakshadweep	Lakshadweep	0.1	0.1	0.1	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	
Madhya Pradesh	Agar Malwa																			
	Alirajpur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Anuppur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Ashoknagar	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Balaghat	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Barwani	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Betul	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Bhind	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Bhopal	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Burhanpur	0.1	-1.0	-1.0	0.4	0.1	-1.0	0.3	0.1	0.5	0.3	0.1		-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
	Chhattarpur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0

Chhindwara	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Damoh	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Datia	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Dewas	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Dhar	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Dindori	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
East Nimar	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Guna	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Gwalior	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Harda	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Hoshangabad	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Indore	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Jabalpur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Jhabua	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Katni	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Mandla	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Mandsaur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Morena	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Narsinghpur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Nimach	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Panna	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Raisen	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Raigarh	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Ratlam	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Rewa	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Sagar	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Satna	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Sehore	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0
Seoni	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0

State	District	Rice			Wheat		Maize		Sug- ar- cane	Gram	Tur	Soy- bean	Mus- tard	Cotton			Ground nut			Castor	
	Shahdol	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	-1.0	0.3	-1.0	
	Shajapur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Sheopur	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Shivpuri	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Sidhi	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Singrauli	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.6	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Tikamgarh	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Ujjain	0.1	-1.0	-1.0	0.3	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Umaria	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Vidisha	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	West Nimar	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
Maharashtra	Ahmadnagar	0.1	-1.0	-1.0	0.2	0.1	-1.0	0.3	0.1	0.5	0.3	0.1	0.1	-1.0	-1.0	0.1	-1.0	0.3	-1.0		
	Akola	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Amara-vati	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Aurangabad	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Bhandara	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Bid	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Buldhana	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Chandrapur	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Dhule	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Gadchiroli	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Gondiya	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Hingoli	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		
	Jalgaon	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0		

	Jalna	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Kolhapur	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Latur	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Mumbai City	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Nagpur	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Nanded	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Nandurbar	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Nasik	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Osmanabad	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Palghar	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Parbhani	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Pune	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Raigarh	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Ratnagiri	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Sangli	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Satara	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Sindhudurg	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Solapur	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Suburban Mumbai	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Thane	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Wardha	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Washim	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Yavatmal	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
Manipur	Bishnupur	0.1	-1.0	-1.0	0.3	0.3	0.3	0.8	0.1	0.5	0.1	0.4	-1.0	-1.0	0.1	0.1	0.1	0.3	-1.0
	Chandel	0.8	0.0	0.5	0.1	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0
	Churachandpur	0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0

State	District	Rice			Wheat		Maize		Sug- ar- cane	Gram	Tur	Soy- bean	Mus- tard	Cotton			Ground nut			Castor	
		0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Imphal East	0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Imphal West	0.8	0.0	0.5	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Senapati	0.8	0.0	0.5	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Tameng- long	0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Thoubal	0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Ukhrul	0.8	0.0	0.5	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Megha- laya	East Garo Hills	0.0	0.0	0.0	0.1	0.7	0.7	0.4	0.9	0.5	-1.0	0.0	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	East Khasi Hills	0.3	0.3	-1.0	0.1	0.7	-1.0	0.3	0.9	0.5	0.6	0.0	0.1	-1.0	-1.0	0.7	-1.0	0.3	-1.0		
	Jaintia Hills	0.3	0.3	-1.0	-1.0	0.7	-1.0	0.3	0.9	0.5	0.6	0.0	0.1	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0
	Ri Bhoi	0.3	0.3	-1.0	-1.0	0.7	-1.0	0.3	0.9	0.5	0.6	0.0	0.1	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0
	South Garo Hills	0.3	0.3	-1.0	0.1	0.7	-1.0	0.3	0.9	0.5	0.6	0.0	0.1	-1.0	-1.0	0.7	-1.0	0.3	-1.0		
	West Garo Hills	0.3	0.3	-1.0	-1.0	0.7	-1.0	0.3	0.9	0.5	0.6	0.0	0.1	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0
	West Kha- si Hills	0.3	0.3	-1.0	0.1	0.7	-1.0	0.3	0.9	0.5	0.6	0.0	0.1	-1.0	-1.0	0.7	-1.0	0.3	-1.0		
Miz- oram	Aizawl	0.3	0.3	-1.0	0.1	0.7	-1.0	0.3	0.9	0.5	0.6	0.0	0.1	-1.0	-1.0	0.7	-1.0	-1.0	-1.0	-1.0	-1.0
	Cham- phai	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Kolasib	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Lawngtlai	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Lunglei	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Mamit	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Saiha	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Serchhip	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0

Na- gaaland	Dimapur	0.5	0.1	-1.0	-1.0	0.7	0.7	0.4	-1.0	-1.0	0.6	0.1	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Kiphire	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Kohima	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Longleng	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Mokok- hung	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Mon	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Peren	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Phek	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Tuensang	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Wokha	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
Odisha	Zunhe- boto	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Angul	0.1	0.1	-1.0	0.0	0.1	0.1	0.3	0.9	0.4	0.2	0.0	0.1	-1.0	-1.0	0.2	-1.0	0.6	-1.0		
	Balangir	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Baleswar	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Baragarh	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Bhadrak	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Boudh	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Cuttack	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Deogarh	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Dhenka- nal	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Gajapathi	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Ganjam	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Jag- atsinghpur	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Jajpur	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Jharsu- guda	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Kalahandi	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		
	Kandha- mal	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.3	0.3		

State	District	Rice			Wheat		Maize		Sug- car- cane	Gram	Tur	Soy- bean	Mus- tard	Cotton			Ground nut			Castor		
		0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
Odisha	Kendrapara	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Kendujhar	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Khordha	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Koraput	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Malkangiri	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Mayurbhanj	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Nabarangapur	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Nayagarh	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Nuapada	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Puri	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Rayagada	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Sambalpur	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Subarnapur	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
	Sundergarh	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	-1.0	0.1	0.1	0.1	0.3	0.3		
Puducherry	Karaikal	0.1	0.2	0.1	0.0	0.2	-1.0	0.2	0.1	0.3	-1.0	0.2	0.1	-1.0	0.1	0.1	0.1	0.1	0.3	0.3		
	Mahe	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	0.1	-1.0	0.1	0.0	0.1	0.1	-1.0	-1.0		
	Puducherry	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	0.1	-1.0	0.1	0.0	0.1	0.1	-1.0	-1.0		
	Yanam	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	0.1	-1.0	0.1	0.0	0.1	0.1	-1.0	-1.0		
Punjab	Amritsar	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	0.1	-1.0	0.1	0.0	0.1	0.1	-1.0	-1.0		
	Barnala	0.8	-1.0	-1.0	0.5	0.4	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Bathinda	0.5	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Faridkot	0.9	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		

Haryana	Fatehgarh Sahib	0.9	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Fazilka	0.6	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Firozpur	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Gurdaspur	0.9	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Hoshiarpur	0.5	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Jalandhar	0.9	-1.0	-1.0	0.3	0.7	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Kapurthala	0.8	-1.0	-1.0	0.6	0.4	-1.0	0.3	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Ludhiana	0.7	-1.0	-1.0	0.6	0.1	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Mansa	0.9	-1.0	-1.0	0.4	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Moga	0.3	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Muktsar	0.9	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Nawanshahr	0.5	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Pathankot	0.6	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Patiala	0.5	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Rupnagar	0.9	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Sangrur	0.5	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Sas Nagar	0.9	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Tarn Taran	0.5	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
Rajasthan	Ajmer	0.3	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.9	0.3	-1.0	0.9	0.9	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0		
	Alwar	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.3	0.5	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Banswara	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	-1.0	0.0	0.3	-1.0	-1.0	0.2	-1.0	-1.0	0.0	-1.0		
	Baran	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.9	0.9	-1.0	-1.0	0.0	-1.0	-1.0	0.0	-1.0		
	Barmer	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.6	0.0	0.0	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Bharatpur	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.0	0.2	-1.0	0.9	0.0	-1.0	-1.0	0.6	-1.0	-1.0	0.4	-1.0		
	Bhilwara	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.5	0.4	-1.0	-1.0	0.0	-1.0	-1.0	0.0	-1.0		
	Bikaner	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.4	0.6	0.8	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Bundi	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	-1.0	0.4	0.7	-1.0	-1.0	0.2	-1.0	-1.0	0.0	-1.0		

State	District	Rice			Wheat		Maize		Sug- car- cane	Gram	Tur	Soy- bean	Mus- tard	Cotton			Ground nut			Castor		
		0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.4	0.4	0.0	-1.0	-1.0	0.2	-1.0	-1.0	0.0	-1.0		
Rajasthan	Chittaur- garh	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.4	0.4	0.0	-1.0	-1.0	0.2	-1.0	-1.0	0.0	-1.0		
	Churu	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.4	0.5	0.6	-1.0	-1.0	0.3	-1.0	-1.0	0.0	-1.0		
	Dausa	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.4	0.3	0.2	-1.0	0.8	0.0	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Dholpur	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.2	0.0	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Dungarpur	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.7	0.0	-1.0	-1.0	0.0	-1.0	-1.0	0.0	-1.0		
	Ganganagar	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.3	0.6	0.9	-1.0	-1.0	0.0	-1.0	-1.0	0.5	-1.0		
	Hanumangarh	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	-1.0	0.0	0.4	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Jaipur	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.0	0.3	-1.0	-1.0	0.5	-1.0	-1.0	0.3	-1.0		
	Jaisalmer	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.0	0.0	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Jalor	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.4	0.3	0.2	-1.0	0.9	0.5	-1.0	-1.0	0.6	-1.0	-1.0	0.0	-1.0		
	Jhalawar	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	-1.0	0.0	0.3	-1.0	-1.0	0.3	-1.0	-1.0	0.4	-1.0		
	Jhunjhunu	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.3	0.9	0.0	-1.0	-1.0	0.6	-1.0	-1.0	-1.0	-1.0		
	Jodhpur	-1.0	-1.0	-1.0	0.0	-1.0	-1.0	0.4	0.3	0.2	0.0	0.3	0.7	-1.0	-1.0	0.1	-1.0	-1.0	0.0	-1.0		
	Karauli	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	-1.0	0.9	0.9	-1.0	-1.0	0.4	-1.0	-1.0	0.4	-1.0		
	Kota	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.9	0.0	-1.0	-1.0	0.6	-1.0	-1.0	0.0	-1.0		
	Nagaur	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.0	0.0	-1.0	-1.0	0.0	-1.0	-1.0	0.0	-1.0		
	Pali	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	-1.0	0.0	0.5	-1.0	-1.0	0.3	-1.0	-1.0	0.0	-1.0		
	Pratapgarh	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.8	0.8	-1.0	-1.0	0.4	-1.0	-1.0	0.5	-1.0		
	Rajsamand	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.4	0.8	0.8	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Sawai Madhopur	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.5	0.7	-1.0	-1.0	0.4	-1.0	-1.0	-1.0	-1.0		
	Sikar	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.9	0.0	-1.0	-1.0	0.4	-1.0	-1.0	-1.0	-1.0		
	Sirohi	-1.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.2	0.0	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0		
	Tonk	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	-1.0	0.8	0.5	-1.0	-1.0	0.3	-1.0	-1.0	0.5	-1.0		

Sikkim	Udaipur	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.0	0.2	0.7	-1.0	-1.0	0.3	-1.0	-1.0	0.0	-1.0
Sikkim	East	0.0	-1.0	-1.0	0.0	0.0	-1.0	0.4	0.3	0.2	0.3	0.6	0.7	-1.0	-1.0	0.4	-1.0	-1.0	0.0	-1.0
Sikkim	North	0.1	-1.0	-1.0	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Sikkim	South	0.1	-1.0	-1.0	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Sikkim	West	0.1	-1.0	-1.0	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Tamil Nadu	Ariyalur	0.1	-1.0	-1.0	0.1	0.1	-1.0	-1.0	-1.0	-1.0	0.2	0.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
Tamil Nadu	Chennai	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Coimbatore	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Cuddalore	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Dharampuri	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Dindigul	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Erode	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Kanchipuram	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Kanyakumari	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Karur	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Krishnagiri	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Madurai	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Nagapattinam	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Namakkal	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Nilgiri	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Perambalur	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Pudukkottai	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Ramanathapuram	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Salem	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Tamil Nadu	Sivaganga	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0

State	District	Rice		Wheat		Maize		Sug-cane	Gram	Tur	Soy-bean	Mus-tard	Cotton		Ground nut		Castor			
Tamil Nadu	Teni	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Thanja-vur	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Thiru-varur	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Tiruchi-rappalli	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Tirune-lveli	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Tiruppur	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Tiruvallur	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Tiruvan-namalai	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Tuticorin	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Vellore	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Villi-puram	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Virudhu-nagar	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
Telangana	Adilabad	0.1	-1.0	-1.0	0.0	0.3	0.3	0.4	0.3	0.3	-1.0	0.1	0.3	0.3	-1.0	0.7	0.7	-1.0	0.5	-1.0
	Hydera-bad	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Karimna-gar	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Kham-mam	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Mahabub-nagar	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Medak	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Nalgonda	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Nizam-abad	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
Tripura	Ranga Reddy	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Warangal	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Dhalai	0.1	0.1	-1.0	0.0	0.1	0.1	0.8	0.3	0.3	0.3	0.3	0.7	-1.0	-1.0	0.3	0.3	-1.0	0.4	0.4
	Gomati	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
	Khawai	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
	North Tripura	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
	Sepahi-jala	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
	South Tripura	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
Uttar Pradesh	Unokoti	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
	West Tripura	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
	Agra	0.1	0.1	-1.0	0.0	0.1	-1.0	0.4	0.0	0.3	-1.0	0.0	0.1	-1.0	-1.0	0.0	0.0	-1.0	-1.0	-1.0
	Aligarh	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Alla-habad	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Ambed-karnagar	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Amethi	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Amroha	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Auraiya	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Azamgarh	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Badaun	0.2	-1.0	-1.0	0.2	0.0	0.0	0.0	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Baghpat	0.3	-1.0	-1.0	0.0	0.4	0.4	0.1	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Bahraich	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Ballia	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Balram-pur	0.1	0.4	-1.0	0.2	0.4	0.4	0.4	0.3	0.1	-1.0	0.3	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Banda	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Barabanki	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0

State	District	Rice		Wheat	Maize		Sugarcane	Gram	Tur	Soybean	Mustard	Cotton			Ground nut			Castor		
	Bareilly	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	
	Basti	0.3	-1.0	-1.0	0.3	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Bhadohi	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Bijnor	0.6	-1.0	-1.0	0.1	0.4	0.4	0.4	0.0	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Bulandsahar	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Chandauli	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Chitrakoot	0.5	-1.0	-1.0	0.5	0.3	0.3	0.4	0.5	0.9	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Deoria	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Etah	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Etawah	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Faizabad	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Farrukhabad	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Fatehpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Firozabad	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Gautambudhnaagar	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Gazipur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Ghaziabad	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Gonda	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Gorakhpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Hamirpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Hapur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Hardoi	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Hathras	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
	Jalaun	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0

Jaunpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Jhansi	0.7	-1.0	-1.0	0.7	0.0	0.0	0.0	0.0	0.9	-1.0	0.0	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Kannauj	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Kanpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Kanpur Dehat	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Kasganj	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Kaushambi	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Kheri	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Kushinagar	0.2	-1.0	-1.0	0.8	0.4	0.4	0.2	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Lalitpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Lucknow	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Maharajganj	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Mahoba	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Mainpuri	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Mathura	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Mau	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Meerut	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Mirzapur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Moradabad	0.3	-1.0	-1.0	0.3	0.1	0.1	0.0	0.1	0.3	-1.0	0.1	0.3	-1.0	-1.0	0.6	-1.0	-1.0	-1.0	-1.0
Muzaffarnagar	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Pilibhit	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Pratapgarh	0.6	-1.0	-1.0	0.3	0.4	0.4	0.8	0.3	0.1	0.2	0.2	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Rae Bareli	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Rampur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Saharanpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Sambhal	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0
Santkamirmagar	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0

State	District	Rice		Wheat		Maize		Sug- arcane	Gram	Tur	Soy- bean	Mus- tard	Cotton			Ground nut			Castor		
		0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
Uttar- Pradesh	Shahjahanpur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Shamali	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	0.2	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Shrawasti	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Sid- harthna- gar	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Sitapur	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Sonb- hadra	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Sultanpur	0.5	-1.0	-1.0	0.3	0.4	0.4	0.4	0.0	0.1	-1.0	0.0	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Unnao	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Varanasi	0.3	-1.0	-1.0	0.1	0.4	0.4	0.4	0.3	0.1	-1.0	0.1	0.3	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
Uttara- khand	Almora	0.1	-1.0	-1.0	0.1	0.2	0.2	0.1	0.0	0.1	-1.0	0.0	0.3	-1.0	-1.0	0.0	-1.0	-1.0	-1.0	-1.0	-1.0
	Bagesh- war	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Chamoli	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Champa- wat	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Dehradun	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Haridwar	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Nanital	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Pauri Garhwal	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Pithora- garh	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Rudra- prayag	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Tehri Garwal	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Udham Singh Nagar	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0

	Ut- tarakashi	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
West Bengal	Alipur- duar	0.2	0.2	-1.0	0.1	0.4	0.4	0.2	0.2	0.2	0.5	0.2	-1.0	-1.0	-1.0	0.2	-1.0	-1.0	-1.0	-1.0	-1.0
	Bankura	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Bardha- man	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Birbhum	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Dakshin- dinaipur	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Darjeel- ing	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Eastmed- nipur	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Haora	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Hugli	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Jalpaiguri	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Kochbi- har	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Kolkata	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Malda	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Mursida- bad	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Nadia	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	North 24 Pargana	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Pashchim Medi- nipur	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Puruliya	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	0.0	-1.0	-1.0
	South 24 Parganas	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
	Uttar_Di- najpur	0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0
All India Total		0.1	0.1	0.0	0.1	0.1	0.1	-1.0	0.4	0.1	0.0	0.1	0.1	-1.0	-1.0	0.2	0.2	0.2	-1.0	-1.0	-1.0

Table 38: Districtwise area, dry biomass generation, surplus available and its bioethanol potential of wheat and maize crops in different growing seasons

State	District	Wheat_rb_Area_000ha	Wheat_rb_DB_Kt	Wheat_rb_SB_Kt	Wheat_rb_BE_million L	Maize_Kh_Area_000ha	Maize_Kh_DB_Kt	Maize_Kh_SB_Kt	Maize_Kh_BE_million l	Maize_rb_Area_000ha	Maize_rb_DB_Kt	Maize_rb_SB_Kt	Maize_rb_BE_million L
Andaman & Nicobar	Nicobar	-1.000	-1.000	-1.000	-1.000	-1.00	-1.00	-1.00	-1.00	0.004	0.0077	0.00	0.0001
	North & Middle Andaman	-1.000	-1.000	-1.000	-1.000	-1.00	-1.00	-1.00	-1.00	0.08	0.2416	0.01	0.0027
	South Andaman	-1.000	-1.000	-1.000	-1.000	-1.00	-1.00	-1.00	-1.00	0.06	0.1861	0.01	0.0021
Andhra Pradesh	Anantapur	0.101	0.172	0.000	0.0000	20.4276	65.7763	6.512	1.4521	6.0558	55.4784	2.97	0.6614
	Chittoor	-1.000	-1.000	-1.000	-1.000	1.5152	6.9434	0.687	0.1533	0.8500	7.6169	0.41	0.0908
	Cuddapah	0.065	0.076	0.000	0.0000	0.6060	2.8740	0.285	0.0634	2.3022	20.2162	1.08	0.2410
	East Godavari	-1.000	-1.000	-1.000	-1.000	0.5400	2.2056	0.218	0.0487	9.5710	88.9759	4.76	1.0607
	Guntur	0.043	0.084	0.000	0.0000	0.8122	3.3859	0.335	0.0748	76.4654	827.6882	44.25	9.8674
	Krishna	-1.000	-1.000	-1.000	-1.000	4.9186	25.3704	2.512	0.5601	20.8102	186.9379	9.99	2.2286
	Kurnool	0.284	0.519	0.000	0.0000	29.4240	164.2596	16.262	3.6264	8.5748	76.4640	4.09	0.9116
	Nellore	-1.000	-1.000	-1.000	-1.000	0.1682	0.6970	0.069	0.0154	1.0644	9.7949	0.52	0.1168
	Prakasam	-1.000	-1.000	-1.000	-1.000	1.3292	7.2782	0.721	0.1607	15.4944	140.9971	7.54	1.6809
	Srikakulam	-1.000	-1.000	-1.000	-1.000	5.9302	26.0376	2.578	0.5748	5.0024	47.3645	2.53	0.5647
Arunachal Pradesh	Vishakhapatnam	-1.000	-1.000	-1.000	-1.000	5.9654	15.4111	1.526	0.3402	1.1636	10.9771	0.59	0.1309
	Vizianagaram	-1.000	-1.000	-1.000	-1.000	11.7144	42.7054	4.228	0.9428	12.3556	86.7866	4.64	1.0346
	West Godavari	-1.000	-1.000	-1.000	-1.000	2.8632	17.7370	1.756	0.3916	48.1478	390.4529	20.87	4.6548
	East Kameng	0.059	0.244	0.024	0.0067	2.6100	4.3356	0.429	0.0957				

<https://oar.icrisat.org/10759/1/maize%20yield%20India.pdf>

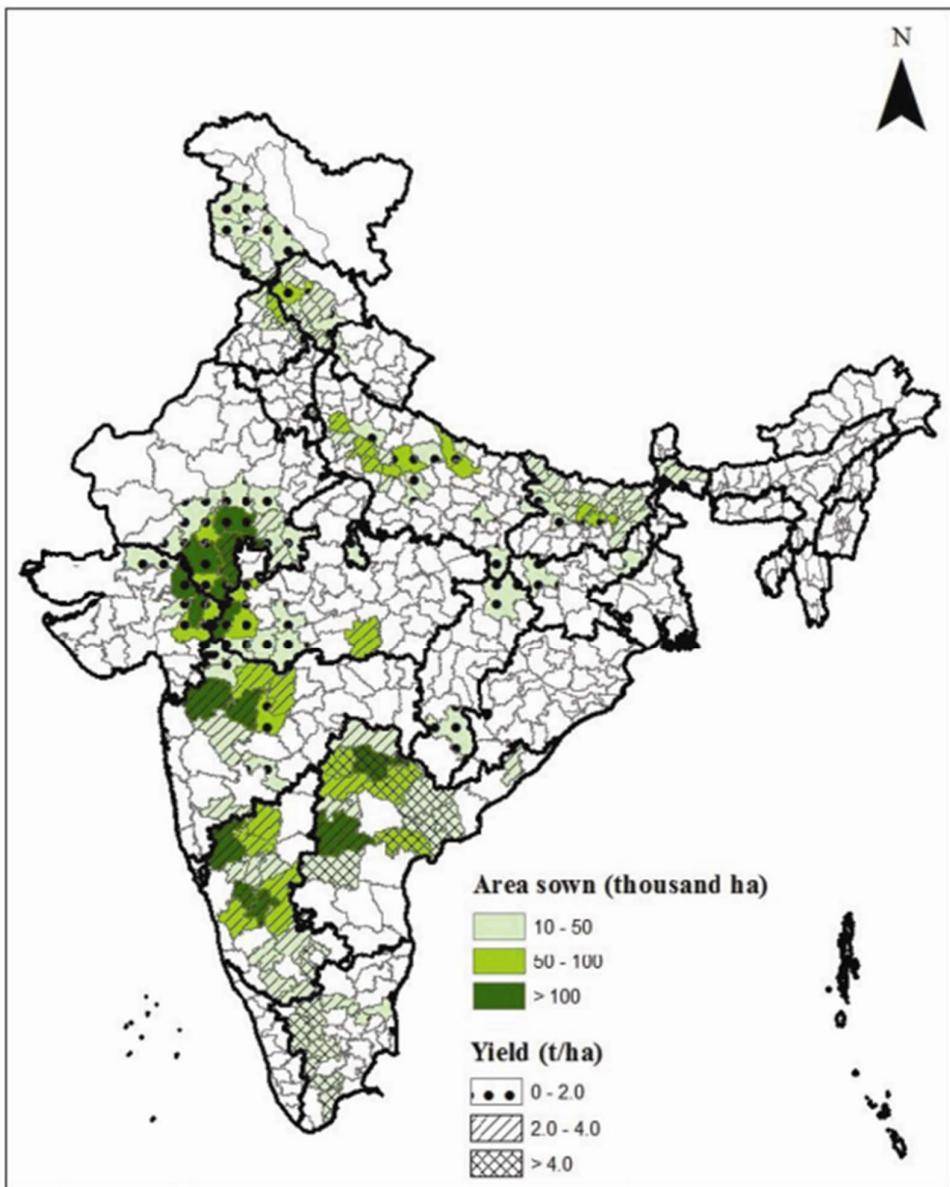


Figure 1. Major districts of maize in India along with area sown and yield.