

## Maize Outlook – December 2022

Maize or corn (*Zea mays*) is cultivated globally being one of the most important cereal crops worldwide. U.S. Maize exports have reached at 5.77 million metric tonnes (MMT) for 2021-22 Marketing Year, with the exports of 0.34 MMT for the period from 17<sup>th</sup> November 2022 to 24<sup>th</sup> November 2022. Exports of 344,500 MT were primarily to Mexico (193,100 MT), China (77,100 MT), Japan (25,100 MT), Canada (17,800 MT), and Honduras (8,300 MT).

**Table 1: International Grain Council’s World Corn Projections (in million metric tonnes)**

	2020/21 (Estimated)	2021/22 (Forecast)	2022/23 (Projected)
Opening Stocks	298	278.7	280.7
Production	1136	1218.8	1166.2
Imports	188.1	179.4	170.4
Total Availability	1434	1497.4	1447
Food	136.4	136.9	134.5
Feed	678.7	723.1	701.6
Industrial	298	308.9	307.9
Others	42.2	47.8	45.9
Total Consumption	1155.3	1216.7	1189.8
Exports	188.1	179.4	170.4
Ending Stocks	278.7	280.7	257.2

Source: International Grains Council

**Table 2: Domestic Balance Sheet (in MMT)**

	2020/21 (Estimated)	2021-22 (Forecast)	2022-23 (Projected)
Opening Stocks	11.8	17.48	18.89
Production	31.65	33.62	29.9
Imports	0.02	0.29	0.25
Total Supply	43.47	51.39	49.04
Export	3.47	3.40	1.72
Domestic Consumption	22.52	29.1	29.5
Total Demand	25.99	32.5	31.22
Ending Stocks	17.48	18.89	17.82
Monthly Use	2.17	2.09	2.01
Stock to Use Ratio	14.38%	9.29%	6.12%

Source: [www.agriwatch.com](http://www.agriwatch.com)

In India, Vanakalam (kharif) maize has been sown in around 84.23 lakh hectares (208.14 lakh acres) as on 30<sup>th</sup> September 2022 which is higher than 82.17 lakh hectares (203.05 lakh acres) covered during corresponding period of last year. Major maize growing states are Madhya Pradesh 16.14 lakh ha (39.88 lakh acres), Karnataka 14.49 lakh ha (35.83 lakh acres), Maharashtra 8.78 lakh ha (21.70 lakh acres), Rajasthan 9.39 lakh ha (23.22 lakh acres), Uttar Pradesh 7.52 lakh ha (18.59 lakh acres), Himachal Pradesh 2.79 lakh ha (6.89 lakh acres), Bihar

3.32 lakh ha (8.20 lakh acres), Telangana 2.51 lakh ha (6.20 lakh acres) and Gujarat 2.87 lakh ha (7.11 lakh acres). According to 1<sup>st</sup> Advance Estimates of Production of Food grains for 2022-23, all India Maize production estimate was 23.10 million tonnes.

**Table 3: State wise area under maize in India**

State	2021-22			2022-23		
	Lakh ha	Lakh acres	% to total area	Lakh ha	Lakh acres	% to total area
<b>Madhya Pradesh</b>	15.13	37.39	18.41	16.14	39.88	19.16
<b>Karnataka</b>	14.16	34.99	17.23	14.498	35.83	17.21
<b>Rajasthan</b>	8.387	20.72	10.21	9.397	23.22	11.16
<b>Maharashtra</b>	8.705	21.51	10.59	8.78	21.70	10.42
<b>Uttar Pradesh</b>	7.685	18.99	9.35	7.525	18.59	8.93
<b>Bihar</b>	3.83	9.46	4.66	3.32	8.20	3.94
<b>Telangana.</b>	2.893	7.15	3.52	2.51	6.20	2.98
<b>Gujarat</b>	2.931	7.24	3.57	2.878	7.11	3.42
<b>Himachal Pradesh</b>	2.65	6.55	3.23	2.79	6.89	3.31
<b>Odisha</b>	2.447	6.05	2.98	2.538	6.27	3.01
<b>others</b>	15.80	39.04	19.23	15.58	38.50	19.46
<b>All India</b>	82.17	203.05	100.00	84.23	208.14	100.00

Source: <http://agricoop.nic.in/>

**Table 4: District wise area under maize in Telangana State**

Districts	2021-22			2022-23		
	Ha	Acres	% to total area	Ha	Acres	% to total area
Kamareddy	37302	92176	12.90	36640	90540	14.58
Rangareddy	30026	74195	10.38	29616	73182	11.78
Bhadradi Kotthagudem	27097	66958	9.37	27584	68162	10.97
Vikarabad	28199	69680	9.75	23294	57561	9.27
Mahabubabad	22021	54414	7.62	21885	54080	8.71
Jagtial	22273	55037	7.70	18369	45390	7.31
Mahabubnagar	15452	38182	5.34	14888	36789	5.92
Nizamabad	20536	50745	7.10	13462	33266	5.36
Nagarkurnool	13958	34492	4.83	13170	32544	5.24
Siddipet	19000	46949	6.57	13059	32270	5.20
Others	53264	131619	18.42	39409	97381	15.68
<b>TELANGANA</b>	<b>289127</b>	<b>714447</b>	<b>100</b>	<b>251377</b>	<b>621165</b>	<b>100</b>

Source: [www.agri.telangana.gov.in](http://www.agri.telangana.gov.in)

During vanakalam (kharif) in Telangana, it has been sown in 2.51 lakh hectares (6.20 lakh acres) as on 28<sup>th</sup> September 2022 which is slightly higher than 2.89 lakh hectares (7.14 lakh acres) covered during corresponding period of last year. The major growing districts are Kamareddy

36640 ha (90540 acres), Rangareddy 29616 ha (73182 acres), Vikarabad 23294 ha (57561 acres), Mahabubabad 21885 ha (54080 acres), Mahabubnagar 14888 ha (36789 acres), Nizamabad 13462 ha (33266 acres) and Siddipet 13059 ha (32270 acres). According to 1<sup>st</sup> Advance Estimates of Production of Food grains for 2022-23, Maize production estimate was 10.11 lakh tonnes in Telangana State.

**Table 5: State wise Wholesale Prices Monthly Analysis for Maize November, 2022**

State	Prices November, 2022	Prices October, 2022	Prices November, 2021	% Change (Over Previous Month)	% Change (Over Previous Year)
Andhra Pradesh	1901.73	1808.06	1471.66	5.18	29.22
Bihar	2093.92	2033.01		3	—
Chhattisgarh	1982.19	1888.81	1541.25	4.94	28.61
Gujarat	2234.06	2299.38	1671.2	-2.84	33.68
Haryana	2215.68	2299.69	1921.43	-3.65	15.31
Karnataka	2065.95	2105.67	1641.37	-1.89	25.87
Madhya Pradesh	1912.16	1697.57	1487.73	12.64	28.53
Maharashtra	1945.82	1886.91	1532.81	3.12	26.94
Manipur	3400.00	2851.43		19.24	—
Odisha	1593.11	1605.52	1562.22	-0.77	1.98
Rajasthan	1827.91	1720.73	1621.58	6.23	12.72
Tamil Nadu	2057.04	2143.63	1623.16	-4.04	26.73
Telangana	2116.96	2025.72	1718.61	4.5	23.18
Uttar Pradesh	2078.45	2138.14	1690.27	-2.79	22.97
Uttrakhand	2073.92	2100.88		-1.28	—
Average	2099.93	2180.28	1640.45		

Source: <https://agmarknet.gov.in/>

For the month November 2022, demand for Maize has been moving on the upward side. As per trade sources, the demand from exporters, stockiest, feed and starch industries have started to increase. This is due to the old stocks getting exhausted and due to clear weather; the moisture content of Maize has also started to reach its optimum level. Racks of Maize are being sent to various ports of India for exports such as Vishakhapatnam, Chennai and Mangalore.

In the domestic markets, Maize prices traded in November 2022 were more on the upward side compared to October 2022 because the arrivals were down from the same time last year. Average monthly loose prices for Kharif Maize at benchmark market Gulabghagh were at Rs.2448 per quintal for the month of November 2022. And the same for loose Maize in Devangere, Karnataka was Rs. 2194 per quintal, up from Rs. 2143 per quintal on October 2022.

**Table 6: Maize arrivals and prices in Kesamudram Market for the Month of November 2022**

Date	Arrival (Quintals)	Minimum price (Rs/quintal)	Maximum price (Rs/quintal)	Modal price (Rs/quintal)
3	906	1,977	2,245	2,122
4	640	1,879	2,262	2,169
7	963	1,501	2,288	2,159
9	596	2,044	2,287	2,189
10	362	2,042	2,290	2,151
11	249	1,859	2,326	2,181
14	144	2,089	2,259	2,259
15	164	2,092	2,261	2,199
16	189	2,152	2,263	2,213
18	51	2,138	2,249	2,215
21	230	2,085	2,234	2,161
22	134	2,089	2,259	2,152
24	115	2,129	2,259	2,239
25	149	1,889	2,239	2,189
28	551	2,139	2,260	2,251
29	114	2,242	2,259	2,259
30	58	2,169	2,219	2,215

Source: <http://tsmarketing.in/>

### Maize Price Outlook

Maize prices are expected to trade at a fairly firm trend throughout December as there is less supply to the markets than during the same time last year. Additionally, the demand from stockiest, exporters, the poultry business, and the starch sector is also growing on daily basis, which may contribute to the price increase.

Under these circumstances, Agricultural Market Intelligence Centre, PJTSAU expects that maize could trade in price range of **Rs. 1962 - 2320** quintal during the month of December, 2022.