

## Maize Outlook – February 2023

Maize or corn (*Zea mays*) is cultivated globally being one of the most important cereal crops worldwide. U.S. Maize exports have reached at 9.23 million metric tonnes (MMT) for 2021-22 Marketing Year, with the exports of 1.01 MMT for the period of 15<sup>th</sup> December 2022 to 22<sup>nd</sup> December 2022. Exports of 1,012,500 MT were primarily to Mexico (441,600 MT), China (278,400 MT), Japan (124,200 MT), Colombia (45,400 MT), and Guatemala (33,700 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	279	281.3
Production	1136.5	1219.5	1161.1
Imports	188.1	179.4	170.1
Total Availability	1434.4	1498.5	1442.4
Food	136.4	136.9	134.5
Feed	678.8	723.5	701.5
Industrial	298	308.9	307.9
Others	42.2	47.9	44.1
Total Consumption	1155.4	1217.2	1188
Exports	188.1	179.4	170.1
Ending Stocks	279	281.3	254.3

Source: International Grains Council

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

	2020/21 (Estimated)	2021-22 (Forecast)	2022-23 (Projected)
Opening Stocks	11.80	17.48	18.89
Production	31.65	33.62	29.90
Imports	0.02	0.29	0.25
Total Supply	<b>43.47</b>	<b>51.39</b>	<b>49.04</b>
Export	3.47	3.40	1.72
Domestic Consumption	22.52	29.10	29.50
Total Demand	<b>25.99</b>	<b>32.50</b>	<b>31.22</b>
Ending Stocks	17.48	18.89	17.82

Source: www.agriwatch.com

In India, rabi maize has been sown in around 22.67 lakh hectares (56.02 lakh acres) as on 3<sup>rd</sup> February 2023, which is higher than 19.48 lakh hectares (48.14 lakh acres) covered during corresponding period of last year. Major maize growing states are Bihar 6.53 lakh ha (16.14 lakh acres), Maharashtra 3.88 lakh ha (9.58 lakh acres), Tamil Nadu 1.96.870 lakh ha (4.84 lakh acres), Telangana 2.26 lakh ha (5.59 lakh acres) and Andhra Pradesh 1.82 lakh ha (4.50 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
Bihar	5.96	14.73	30.60	6.53	16.14	28.80
Maharashtra	3.22	7.95	16.52	3.88	9.58	17.10
Telangana	1.20	2.96	6.14	2.26	5.59	9.98
Tamil Nadu	1.90	4.69	9.73	1.96	4.84	8.64
Andhra Pradesh	1.76	4.35	9.03	1.82	4.50	8.03
West.Bengal	1.57	3.88	8.06	1.67	4.13	7.38
Karnataka	0.83	2.05	4.26	1.14	2.82	5.03
Gujarat	0.89	2.20	4.57	1.06	2.61	4.66
Chhattisgarh	1.21	2.99	6.21	0.97	2.40	4.28
Uttar Pradesh	0.143	0.35	0.73	0.502	1.24	2.21
Others	0.81	1.99	4.14	0.88	2.18	3.89
<b>All India</b>	<b>19.48</b>	<b>48.14</b>	<b>100.00</b>	<b>22.67</b>	<b>56.02</b>	<b>100.00</b>

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
<b>Nirmal</b>	18269	45143	15.27	34876	86180	15.41
<b>Khammam</b>	25444	62873	21.27	33227	82105	14.68
<b>Warangal (Rural)</b>	13127	32437	10.97	26306	65003	11.62
<b>Warangal (Urban)</b>	9719	24017	8.12	17511	43270	7.74
<b>Mahabubabad</b>	6651	16436	5.56	14227	35156	6.29
<b>Kamareddy</b>	8146	20129	6.81	13179	32565	5.82
<b>Gadwal (Jogulamba)</b>	2408	5951	2.01	11868	29326	5.24
<b>Jagtiyal</b>	2496	6167	2.09	11129	27500	4.92
<b>Nizamabad</b>	4907	12125	4.10	10838	26781	4.79
<b>Others</b>	28459	70324	23.79	53187	131427	23.50
<b>TELANGANA</b>	<b>119626</b>	<b>295602</b>	<b>100.00</b>	<b>226346</b>	<b>559313</b>	<b>100.00</b>

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

During yasangi (Rabi) in Telangana, it has been sown in 2.26 lakh hectares (5.59 lakh acres) as on 1<sup>st</sup> February 2023 which is higher than 1.19 lakh hectares (2.95 lakh acres) covered during corresponding period of last year. The major growing districts are Nirmal 34876 ha (86180 acres), Khammam 33227 ha (82105 acres), Warangal Rural 26306 ha (65003 acres), Warangal Urban 17511 ha (43270 acres), Kamareddy 13179 ha (32565 acres), Nizamabad 10838 ha (26781 acres)

and Mahabubabad 14227 ha (35156 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 during January, 2023**

State	Prices January, 2023	Prices December, 2022	Prices January, 2022	% Change (Over Previous Month)	% Change (Over Previous Year)
Andhra Pradesh	2029.04	2080.39	1676	-2.47	21.06
Bihar	2344.81	2086.03	1973.32	12.41	18.83
Chhattisgarh	1973.25	2047.71	1650.94	-3.64	19.52
Gujarat	2382.28	2367.87	1856.86	0.61	28.3
Haryana	2250.38	2254.33		-0.18	—
Karnataka	2161.97	2191.81	1746.36	-1.36	23.8
Madhya Pradesh	2090.63	2040.27	1710.32	2.47	22.24
Maharashtra	2099.88	2056.67	1737.33	2.1	20.87
Manipur	3400.00	3400.00	3300.00	0	3.03
NCT of Delhi	2535.24	2476.18	1999.93	2.39	26.77
Odisha	1717.36	1731.89	1497.87	-0.84	14.65
Rajasthan	2279.53	2219.23	1819.61	2.72	25.28
Tamil Nadu	2162.25	2094.74	1776.20	3.22	21.73
Telangana	2184.24	2152.54	1848.07	1.47	18.19
Uttar Pradesh	2196.24	2110.82	1719.04	4.05	27.76
Uttrakhand	2023.48		1894.87	—	6.79
Average	<b>2239.41</b>	<b>2220.7</b>	<b>1880.45</b>		

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

Maize harvest in Tamil Nadu is completed; arrivals will begin to slowly trickle into the markets in Karnataka and the neighboring states. Meanwhile, as prices are predicted to rise soon, the stockiest and merchants are stockpiling maize. In the following weeks, prices are most expected to remain largely flat to slightly firm. Exports are on the lower side due to discrepancies even with the neighbors'. Only fewer supplies are arriving at the various markets. Markets are currently charging less for low-quality maize as a result of a decline in demand. With the expectation of increase in prices soon, farmers are delaying the supply of additional maize.

According to trade sources, India exported 4,74,552 MT of maize in December 2022 for an average FOB of roughly 346 USD/MT. In addition, maize was exported to Bangladesh and Nepal in quantities of 1,40,342 MT and 17,836 MT, respectively, at average FOB of about 317.4 USD/MT and 311.22 USD/MT respectively.

**Table 6: Maize arrivals and prices in Badepally Market for the Month of January 2023**

Date	Arrival (Quintals)	Minimum price (Rs/quintal)	Maximum price (Rs/quintal)	Modal price (Rs/quintal)
3	120	1,705	2,337	1,837
4	24	2,289	2,316	2,316
5	120	2,220	2,220	2,220
6	162	2,248	2,329	2245
7	81	2,259	2,333	2,310
9	248	2,023	2,331	2,023
10	66	2,031	2,220	2,031
11	41	2,051	2,255	2,051
12	27	2,300	2,307	2,307
13	12	2050	2,261	2,261
17	122	2,300	2,305	2,300
18	4	2,200	2,200	2,308
19	185	2,255	2,301	2,301
20	24	2,186	2,269	2,186
23	98	2,170	2,277	2,261
24	24	2,239	2,239	2,239
25	116	2,180	2,269	2,211
27	9	2,239	2,239	2,239
28	29	2,241	2,241	2,241
30	117	2,111	2,254	2,111
31	22	2,151	2,256	2,111

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

### Maize Price Outlook

Under these circumstances, Agricultural Market Intelligence Centre, PJTSAU expects that maize could trade in price range of **Rs. 1962 - 2380** quintal during the month of February, 2023.