

Maize Outlook – October 2021

Maize or corn (*Zea mays*) is cultivated globally being one of the most important cereal crops worldwide. U.S. Maize exports have reached to 15.21 MMT for the 2021-22 marketing year, with the exports of 6.76 MMT for the period of (16th Sep - 24th Sep 2021), for the destinations like Mexico (262,200 MT), China (140,400 MT), Japan (107,900 MT), Honduras (49,500 MT), and Costa Rica (30,900 MT). It expects that crop related concerns in U.S. and Brazil, would provide support to CBOT Maize.

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

	2019/20 (Estimated)	2020/21 (Forecast)	2021/22 (Projected)
Opening Stocks	326.4	297.7	273.7
Production	1126.5	1127.2	1209
Imports	174.5	189	179.4
Total Availability	1452.9	1424.9	1482.7
Food	130.1	130.3	133.2
Feed	692.2	684.4	717.2
Industrial	293.4	298.2	306.8
Others	39.5	38.3	44.0
Total Consumption	1155.2	1151.2	1201.2
Exports	174.5	189	179.4
Ending Stocks	297.7	273.7	281.5

Source: International Grains Council

Table 2: Domestic Balance Sheet (in MMT)

	2018/19 (Estimated)	2019/20 (Forecast)	2020-21 (Projected)
Opening Stocks	2.5	6.42	11.8
Production	27.72	28.77	24.51
Imports	0.21	0.34	0.15
Total Supply	30.43	35.53	36.46
Export	0.58	1.11	1.29
Domestic Consumption	23.43	22.62	22.75
Total Demand	24.01	23.73	24.04
Ending Stock	6.42	11.8	12.42
Monthly Use	2	1.98	2
Stock to Use Ratio	5.92%	14.38%	7.69%

Source: www.agriwatch.com

Table 3: State wise area under maize in India

State	2020-21			2021-22		
	Lakh ha	Lakh acres	% to total area	Lakh ha	Lakh acres	% to total area
Madhya Pradesh	15.38	38.00	19.17	15.15	37.44	18.58
Karnataka	13.71	33.88	17.09	13.89	34.32	17.04
Maharashtra	8.81	21.77	10.98	8.70	21.50	10.67
Rajasthan	9.34	23.08	11.64	8.38	20.71	10.28
Uttar Pradesh	7.41	18.31	9.24	7.68	18.98	9.42
Bihar	3.99	9.86	4.97	3.83	9.46	4.70
Himachal Pradesh	2.82	6.97	3.51	2.88	7.12	3.53
Telangana	0.91	2.25	1.13	2.87	7.09	3.52
Odisha	2.31	5.71	2.88	2.43	6.00	2.98
Jammu & Kashmir	2.08	5.14	2.59	2.05	5.07	2.51
Punjab	1.08	2.67	1.35	1.26	3.11	1.55
Others	12.39	30.62	15.44	12.40	30.64	15.21
All India	80.23	198.25	100.00	81.52	201.44	100.00

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

In India, kharif maize has been sown in around 81.52 lakh hectares (201.44 lakh acres) as on 17th September 2021, which is higher than 80.23 lakh hectares (198.25 lakh acres) covered during corresponding period of last year. Major maize growing states are Madhya Pradesh 15.15 lakh ha (37.44 lakh acres), Karnataka 13.89 lakh ha (34.32 lakh acres), Maharashtra 8.70 lakh ha (21.50 lakh acres), Rajasthan 8.38 lakh ha (20.71 lakh acres), Uttar Pradesh 7.68 lakh ha (18.98 lakh acres), Bihar 3.83 lakh ha (9.46 lakh acres), Himachal Pradesh 2.88 lakh ha (7.12 lakh acres), Telangana 2.87 lakh ha (7.09 lakh acres) and Jammu & Kashmir 2.05 lakh ha (5.07 lakh acres).

Table 4: District wise area under maize in Telangana State

Districts	2020-21			2021-22		
	Ha	Acres	% to total area	Ha	Acres	% to total area
Kamareddy	13491.43	33338.00	14.80	37252.99	92054.00	12.97
Rangareddy	8997.79	22234.00	9.87	29166.14	72071.00	10.15
Vikarabad	3360.51	8304.00	3.69	28152.81	69567.00	9.80
Mahabubabad	9727.04	24036.00	10.67	22030.72	54439.00	7.67
Nagarkurnool	5156.51	12742.00	5.66	20446.37	50524.00	7.12
Siddipet	4477.04	11063.00	4.91	18925.96	46767.00	6.59
Mahabubnagar	2127.44	5257.00	2.33	15402.76	38061.00	5.36
Nizamabad	8673.64	21433.00	9.52	13828.13	34170.00	4.81
Warangal rural	1711.01	4228.00	1.88	8292.02	20490.00	2.89
Others	33428.30	82603.00	36.67	93731.41	231615.00	32.63
Telangana	91150.73	225238.00	100.00	287229.32	709758.00	100.00

Source: www.agritelangana.gov.in

During Vanakalam (Kharif) in Telangana, it has been sown in 2.87 lakh hectares (7.09 lakh acres) as on 29th September 2021 which is higher than 0.91 lakh hectares (2.25 lakh acres) covered during corresponding period of last year. The major growing districts are Kamareddy 37252 ha (92054 acres), Rangareddy 29166 ha (72071 acres), Vikarabad 28152 ha (69567 acres), Mahabubnagar 15402 ha (38061 acres), Mahabubabad 22030 ha (54439 acres), Siddipet 18925 ha (46767 acres), Nagarkurnool 20446 ha (50524 acres) and Warangal Rural 8292 ha (20490 acres).

Table 5: State wise Wholesale Prices Monthly Analysis for Maize September, 2021

State	Prices September, 2021	Prices August, 2021	Prices September, 2020	% Change(Over Previous Month)	% Change(Over Previous Year)
Andhra Pradesh	1140.15	1386.8	1227.71	-17.79	-7.13
Chhattisgarh	1566.54	1481.09	1102.68	5.77	42.07
Gujarat	1927.91	1951.05	1524.04	-1.19	26.5
Haryana	1650	1650	1023.53	0	61.21
Karnataka	1813.06	1887.38	1255.7	-3.94	44.39
Madhya Pradesh	1484.45	1630.06	1108.47	-8.93	33.92
Maharashtra	1655.33	1954.99	1292.56	-15.33	28.07
Nagaland		3100		—	—
Odisha	1581.62	1473.51	1322.62	7.34	19.58
Punjab	1694.01	1619.64	1199.26	4.59	41.25
Rajasthan	1756.29	1769.72	1472.7	-0.76	19.26
Tamil Nadu	1932.62	1469.82	1432.14	31.49	34.95
Telangana	1651.09	1825.02	1593.85	-9.53	3.59
Uttar Pradesh	1673.36	1660.22	1172.12	0.79	42.76
Average	1655.88	1775.66	1286.72		

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

Maize on CBOT rose by US \$ 0.98 per MT to US \$ 211.31 per MT for December, 2021 contract compared to the previous month. It expects that Maize crop condition related concerns in U.S. and Brazil, would support CBOT Maize.

It is expected that maize would trade in a range bound zone with a firm bias for coming term. Maize crop has been destroyed in various parts of U.P and M.P due to unfavorable weather conditions, and production estimates happens to be lower than what is required, this will provide support to maize market in coming weeks, with new arrivals to start soon from October.

In Nizamabad market it is being traded at Rs. 1,950 per quintal and is being supplied to Hyderabad between Rs. 2,000 - Rs.2,150 per quintal for feed purpose. Demand from poultry has improved in Southern India in passed one week.

Table 6: Maize arrivals and prices in Kesamudram Market for the month of September 2021

Date	Arrival (Quintals)	Minimum price (Rs/quintal)	Maximum price (Rs/quintal)	Modal price (Rs/quintal)
1	3	1,311	1,411	1,411
2	4	1,579	1,579	1,579
3	2	1,309	1,309	1,309
9	11	1,200	1,805	1,805
13	7	1,750	1,863	1,863
14	5	1,001	1,750	1,001
15	16	1,616	1,656	1,656
16	28	1,751	1,888	1,888
17	55	1,655	1,902	1,889
20	298	1,100	1,886	1,872
21	329	1,319	1,889	1,830
22	220	1,351	1,866	1,756
23	325	1,439	1,871	1,752
28	543	1,351	1,811	1,791
29	1,062	1,411	1,804	1,752
30	1,440	1,459	1,818	1,796

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

Good quality maize is being traded in Bihar between Rs.1,850 to Rs. 1,900 per quintal. On the other hand poor quality maize is being exported to Bangladesh at Rs.1,600 per quintal. Whereas, maize is being supplied to Bangladesh between Rs. 1,950 - Rs. 2000 per quintal for poultry purpose sourced from West Bengal.

Maize Price Outlook

In Karnataka, maize is likely to trade with a slightly firm bias. Also, delayed arrivals and less production estimates than required will continue to support the maize market. It expects that maize in Davangere would trade in a range of Rs.1,800-2,000 per quintal (loose price) during the month of October 2021.

In Gulabghat region of Bihar, in the month of September Maize traded steady with almost steady bias between Rs.1,850 - Rs.1,900 per quintal (Bilty Price). Maize in Gulabghat would trade range bound in the Range of Rs.1,800 - Rs.2,000 delayed arrivals and less production estimates than required will continue to support the maize market.

Under these circumstances, Agricultural Market Intelligence Centre, PJTSAU expects that maize could trade in price range of **Rs. 1700 - 1900** quintal during the month of October, 2021.