



Maize Outlook Report

BKC Aggregators' AI based advance technology FASAL SALAH App is in market since 2016 and we directly in touch with lacs of farmers, traders and millers through the app. Farmers on the app helps us to measure the crop area, yield and production prior harvesting by sharing the information like geo-located crop pictures, crop health, situation and direct query handling and campaigning in the field. Mandi traders are involved with us through app and mandi Whatsapp groups which helps us in price monitoring of the essential commodities from major spot markets. Our research analyst discuss with the market players and farmers to predict the area, yield and production and to take their views on the market outlook. All the following references makes the BKC Aggregators' Commodity reports more authentic and attractive which helps in taking right decisions at right time for the millers, processors, exporters and corporates.

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Market Drivers

| Factors | Impact |
|---|---------|
| Lower acreage under Rabi season 2020-21 | Bullish |
| Arrivals of lower quality and higher moisture maize in spot markets | Bearish |
| Sluggish demand from traders and stockiest | Bearish |
| Bulk buyers see the current crop to be smaller than what the government has estimated | Bullish |
| Higher international export demand | Bullish |
| Need base buying on account of Covid-19 & Bird Flu | Bearish |
| Higher carryover stock of 2019-20 maize crop | Bearish |
| Estimated lower maize production under Kharif season 2020 | Bullish |

Domestic market outlook

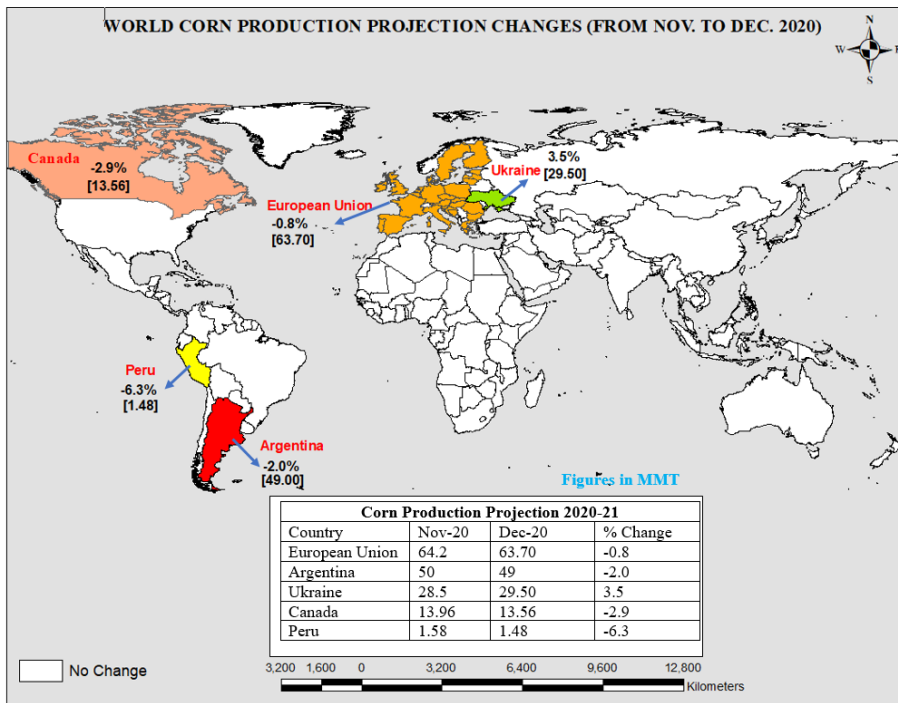
- ✚ Maize prices are falling as demand from the poultry sector has been influenced by the outbreak of bird flu in parts of the country. The consumption of poultry products has reduced due to bird flu, that directly affect the price of maize.
- ✚ Maize prices are currently at 1,350-1,400 rupees per 100 kg in main wholesale markets, as compared to 1,900-2,000 rupees a year ago. Prices may decrease further to 1,100-1,200 rupees as many states detecting bird flu, demand for poultry feed will be hit further.
- ✚ Farmers in Andhra Pradesh and Tamil Nadu are likely to start harvesting the late-kharif crop. Increased supply pressure from the late-kharif crop from parts of southern India would weigh on prices for the next few weeks. As poultry purchases and bulk demand from restaurants decreased, demand for maize also declined.
- ✚ Prices may recover, mainly due to an increase in import demand from Bangladesh, China and some other countries.
- ✚ Indian traders have signed agreements to export about 100,000 tons of maize to China. Around 35,000 tons of the total quantity will be exported at \$200-\$210 per tons free on board in the next few days.
- ✚ India exported more than 1.15 million tons of maize during Apr-Nov, compared to 179,804 tons in the previous period last year, the Export Development Authority for Agricultural and Processed Food Products said.

International market outlook

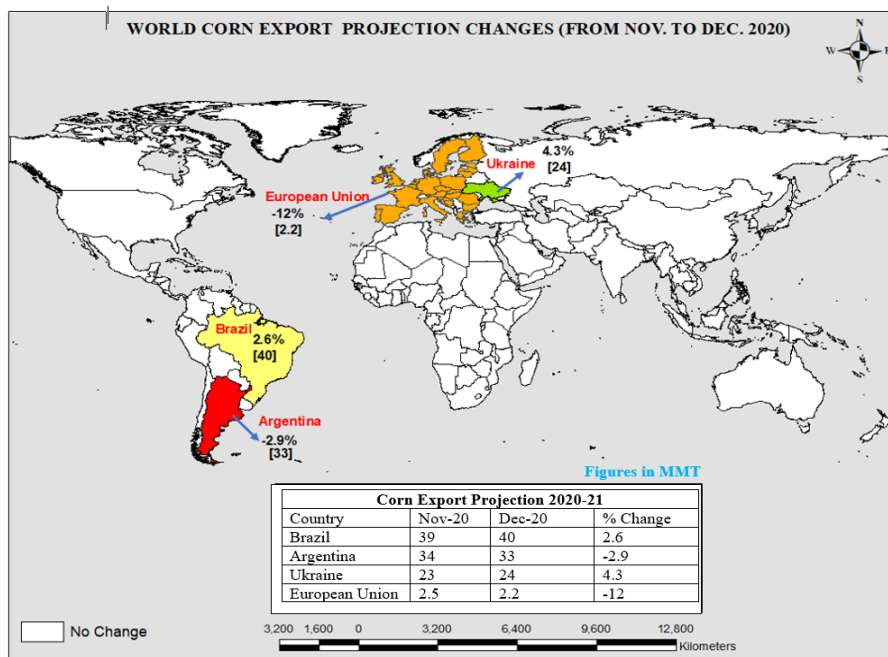
- ✚ World corn production is projected to total 1,143.6 million tons for 2020/21, down 1.1 million tons from the November forecast (1144.7 million tons).

✚ **Argentina** corn production is reduced 1.0 million tons to 49.0 million tons from previous month due to the unfavorable dry weather conditions resultant expected lower area than previously expected area. Some corn area is expected to move into sorghum, which also has strong prices due to demand from China, and sorghum is less input-intensive than corn.

✚ **European Union** corn production is reduced 0.5 million tons, while production in Canada is reduced by 0.4 million tons from the previous month's projection totaling 63.7 million and 13.6 million tons, respectively.



Source: USDA, Foreign Agricultural Service



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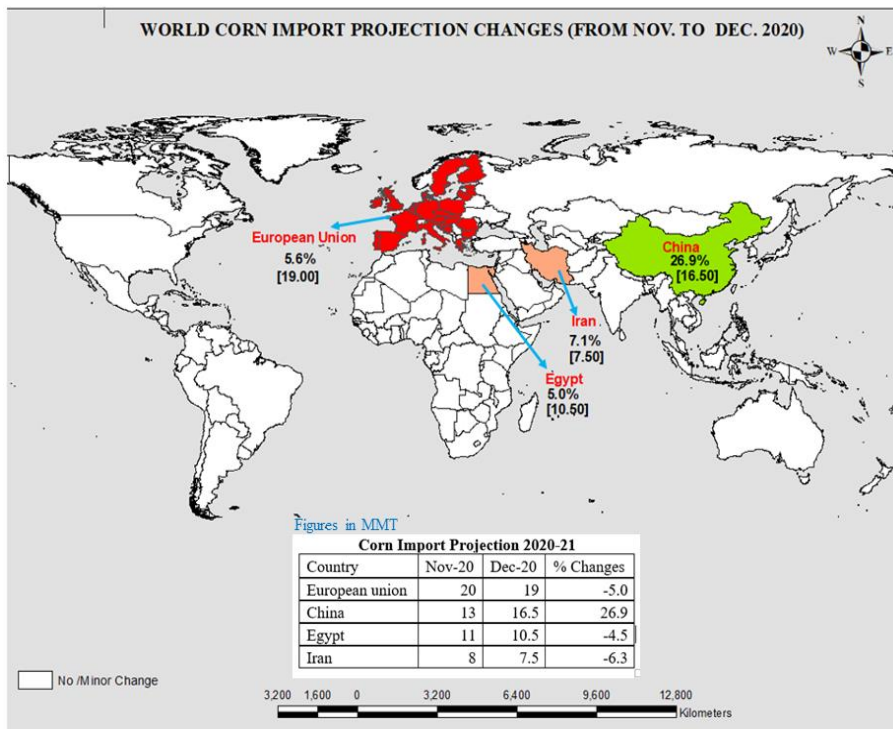
✚ Production in both countries projected to be lowered owing dry weather conditions in primary growing area, particularly in Bulgaria and in Canada's Eastern Provinces.

✚ **Ukraine** corn production for 2020/21 is raised 1.0 million tons to 29.5 million tons from the 28.5 million tons of previous month. Production is still projected to be 5.9 million tons lower than the previous year.

✚ **Ukraine** corn export projections for 2020/21 are raised for by 1.5 million tons to 24.0 million from 22.5 million tons of previous month on increased production, higher carrying, and lower ending stocks allow for more supplies to be shipped overseas.

✚ Current corn export projection is still substantially lower than 2019/20 totals of 28.9 million tons, due to the drought impacted production issues seen in this year's crop.

- European Union export projections are reduced by 0.3 million tons to 2.2 million tons compared with 2.5 million tons from November forecast, based on the lower production outlook. EU current projected exports of 2.2 million tons also represent a significant decline from the previous year's exports of 4.8 million tons.
- Meanwhile Argentina corn projected export reduced by 1.0 million tons to 40 million tons from 39 million tons of November forecast and Brazil (increased by 1.0 million tons), based on recent month's trade data from each respective country.



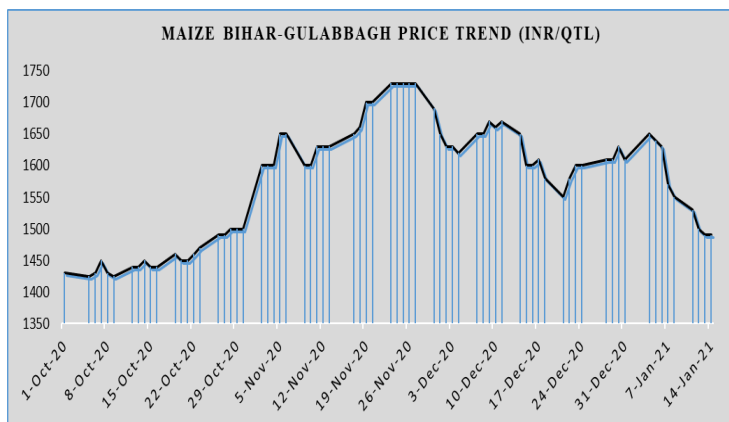
China corn imports for 2020/21 are raised 3.0 million tons to 16.0 million from the 13 million tons of previous month projection, and account for much of the increased grain imports. High domestic corn prices in China have led to increased shipments and sales from several export markets mainly to United States and Ukraine and have contributed to steadily rising global grain prices since the summer of 2020.

Source: USDA. Foreign Agricultural Service

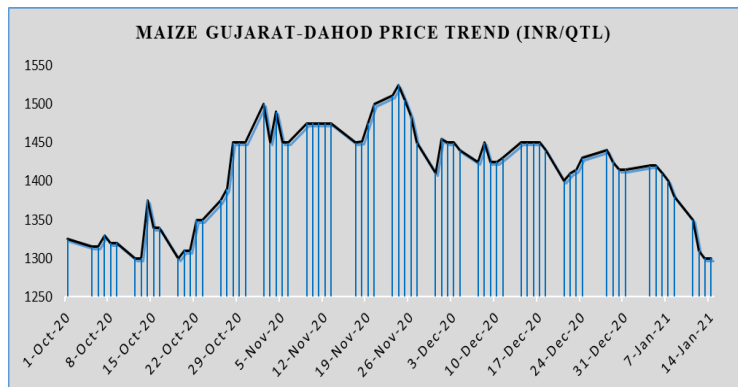
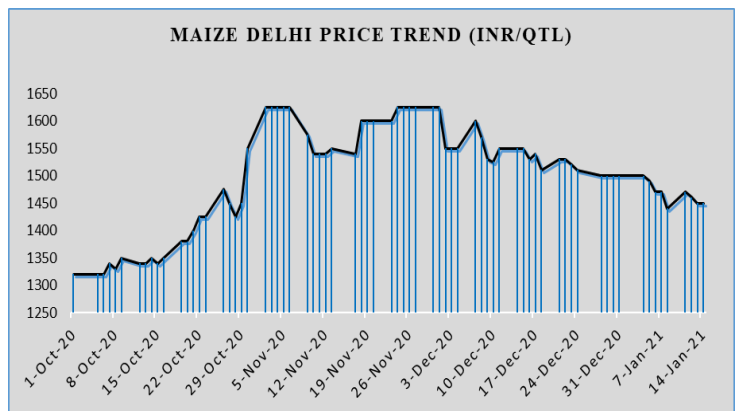
- European Union corn import projections are lowered 1.0 million tons to 63.70 million tons from the 64.2 million tons of previous month on higher global corn prices. Projected imports are also reduced for Iran (0.5 million tons lower), Egypt (0.5 million tons), Morocco (0.2 million tons), and Tunisia (0.2 million tons), all of the markets are reliant upon Ukrainian exports.

Domestic market price trends

| State | Location | 14-Jan-21 | 11-Dec-20 | % Change |
|-------|-----------|-----------|-----------|----------|
| Bihar | Gulabbagh | 1490 | 1670 | -10.8 |
| Delhi | Delhi | 1450 | 1550 | -6.5 |



| | | | | |
|----------------|------------|------|------|-------|
| Gujarat | Dahod | 1300 | 1430 | -9.1 |
| Karnataka | Bengaluru | 1450 | 1510 | -4.0 |
| Karnataka | Davanagere | 1350 | 1440 | -6.3 |
| Madhya Pradesh | Chhindwara | 1160 | 1380 | -15.9 |
| Madhya Pradesh | Dewas | 1250 | 1250 | 0.0 |
| Maharashtra | Latur | 1425 | 1450 | -1.7 |
| Maharashtra | Jalna | 1450 | 1450 | 0.0 |
| Maharashtra | Sangli | 1600 | 1530 | 4.6 |
| Uttar Pradesh | Etah | 1250 | 1350 | -7.4 |



Cumulative arrival/ Mandi arrival (Qty. in MT)

| State | Market Arrivals (01/10/2020-15/01/2021) | Market Arrivals (01/10/2019-15/01/2020) | % Change |
|----------------|--|--|----------|
| Andhra Pradesh | 1052.28 | 946.41 | 11.2 |
| Assam | 0 | 3318 | -100.0 |
| Chhattisgarh | 109809.6 | 104008.3 | 5.6 |
| Gujarat | 21212.5 | 32748.93 | -35.2 |
| Haryana | 3245 | 39.4 | 8136.0 |
| Karnataka | 369381 | 730462.2 | -49.4 |
| Madhya Pradesh | 421459.78 | 732426.94 | -42.5 |
| Maharashtra | 275684 | 413778 | -33.4 |
| Manipur | 24.4 | 17 | 43.5 |
| Nagaland | 0 | 451 | -100.0 |
| NCT of Delhi | 586.9 | 508.7 | 15.4 |
| Odisha | 105064.81 | 147372.59 | -28.7 |
| Pondicherry | 6.1 | 0.4 | 1425.0 |
| Punjab | 9462.9 | 1256.39 | 653.2 |
| Rajasthan | 245656.53 | 172906.44 | 42.1 |
| Tamil Nadu | 22567.93 | 7774.9 | 190.3 |
| Telangana | 87466.07 | 252788.88 | -65.4 |
| Uttar Pradesh | 90566.28 | 185989.44 | -51.3 |
| Uttarakhand | 128.36 | 342.5 | -62.5 |
| India | 1763389.54 | 2787136.42 | -36.7 |

CBOT Maize future price (in USD/MT)

| Contract Month | 15-Dec-20 | 14-Jan-21 | % Change |
|----------------|-----------|-----------|----------|
| 20-Dec | 165.0 | 210.3 | 27.4 |
| 21-Mar | 166.9 | 211.7 | 26.8 |
| 21-May | 168.2 | 210.5 | 25.2 |
| 21-Jul | 168.7 | 190.5 | 13.0 |
| 21-Sep | 162.7 | 180.2 | 10.8 |
| 21-Dec | 162.1 | 182.1 | 12.4 |
| 22-Mar | 164.1 | 183.0 | 11.5 |
| 22-May | 164.6 | 183.2 | 11.3 |
| 22-Jul | 164.4 | 167.4 | 1.8 |
| 22-Sep | 155.5 | 161.0 | 3.5 |

India Maize Import (Apr.- Oct.) 2019-2020

| Country | Apr-Oct 2019 (R) | Apr-Oct 2020 (F) | %Growth |
|--------------|-------------------|------------------|--------------|
| Myanmar | 22,431.26 | 5,241.58 | -76.6 |
| S. Africa | 7,653.79 | 4,790.31 | -37.4 |
| Singapore | | 3,094.07 | |
| Brazil | 3,371.08 | 2,138.02 | -36.6 |
| Argentina | 2,193.20 | 1,373.68 | -37.4 |
| USA | 2,157.03 | 204.77 | -90.5 |
| France | 0.02 | 23.03 | 115050.0 |
| Others | 110,273.64 | 12.61 | -100.0 |
| Total | 148,080.02 | 16,878.07 | -88.6 |



Fig; in 000

India Maize export (Apr.- Oct.) 2019-2020

| Country | Apr-Oct 2019 (R) | Apr-Oct 2020 (F) | %Growth |
|--------------|-------------------|---------------------|--------------|
| Bangladesh | 4,346.55 | 782,344.69 | 17899.2 |
| Nepal | 153,100.29 | 336,295.80 | 119.7 |
| Bhutan | 6,238.49 | 11,076.36 | 77.5 |
| Japan | 3,369.92 | 3,409.00 | 1.2 |
| Oman | 1,921.00 | 3,237.00 | 68.5 |
| Seychelles | 49.05 | 1,825.79 | 3622.3 |
| Myanmar | 980.03 | 1,683.10 | 71.7 |
| Vietnam | 1,226.00 | 1,597.00 | 30.3 |
| Malaysia | 32.15 | 1,589.25 | 4843.2 |
| Others | 10,735.93 | 7,667.77 | -28.6 |
| Total | 181,999.41 | 1,150,725.76 | 532.3 |



Fig; in 000

India Rabi Maize Sowing

| State | Area covered (in Lakh Ha) | | Change in % |
|-------------------|---------------------------|---------------|-------------|
| | 2020-21 | 2019-20 | |
| Andhra Pradesh | 0.79 | 1.38 | -43.1 |
| Arunachal Pradesh | 0.10 | 0.10 | -2.0 |
| Assam | 0.39 | 0.33 | 18.1 |
| Bihar | 4.65 | 4.64 | 0.2 |
| Chhattisgarh | 0.51 | 0.52 | -1.7 |
| Gujrat | 0.95 | 1.30 | -26.5 |
| Jharkhand | 0.12 | 0.07 | 83.3 |
| Karnataka | 0.73 | 0.87 | -16.2 |
| Maharashtra | 2.86 | 1.79 | 60.0 |
| Orrisa | 0.10 | 0.10 | 6.3 |
| Tamil Nadu | 1.57 | 1.60 | -1.9 |
| Telangana | 0.50 | 1.07 | -53.6 |
| Uttar Pradesh | 0.14 | 0.17 | -13.3 |
| West Bengal | 1.30 | 1.20 | 8.3 |
| Others | 0.06 | 0.05 | 14.3 |
| India | 14.70 | 15.109 | -2.7 |

India Maize balance sheet

| Attributes | 2016/17 | 2017/18 | 2018/19 | 2019/20 | 2020/21 |
|--------------------|---------|---------|---------|---------|---------|
| Opening Stocks | 1.2 | 1.8 | 2 | 1.5 | 1.7 |
| Production | 25.9 | 28.7 | 27.7 | 28.6 | 28.5 |
| Imports | 0.1 | - | 0.2 | 0.1 | 0.2 |
| Total Availability | 27.2 | 30.6 | 30 | 30.2 | 30.4 |
| Total Consumption | 24.9 | 27.6 | 28.1 | 27.6 | 28.5 |
| Exports | 0.5 | 0.9 | 0.4 | 0.9 | 0.5 |
| Ending Stocks | 1.8 | 2 | 1.5 | 1.7 | 1.4 |

(Fig. in MMT)

World Maize balance sheet

| Attributes | 2017/18 | 2018/19 | 2019/20 | 2020/21 |
|--------------------|---------|---------|---------|---------|
| Opening Stocks | 369.4 | 344.3 | 326.7 | 297.7 |
| Production | 1090.8 | 1129.2 | 1123.9 | 1145.9 |
| Imports | 153.3 | 164.6 | 173.6 | 185.1 |
| Total Availability | 1460.1 | 1473.5 | 1450.5 | 1443.6 |
| Total Consumption | 1115.8 | 1146.9 | 1152.8 | 1169 |
| Exports | 153.3 | 164.6 | 173.6 | 185.1 |
| Ending Stocks | 344.3 | 326.7 | 297.7 | 274.6 |

(Fig. in MMT)