

VANAKALAM(KHARIF) 2022-23 PRE-SOWING PRICE FORECAST OF MAIZE

Maize Price per Quintal will be around Rs. 1870-2150 at the Time of Harvesting (October to November 2022)

Maize (*Zea mays L.*) is one of the most versatile emerging crops having wider adaptability under varied agro-climatic conditions. Globally, maize is known as queen of cereals because it has the highest genetic yield potential among the cereals. It is cultivated in about 168 countries having wider diversity of soil, climate, biodiversity and management practices. United States of America is the largest producer of maize contributing nearly 34% of the total production in the world. Other important growing countries are China, Brazil, Argentina, Ukraine, Indonesia, India, Mexico and Romania.

In the world during 2020-21, about 2019.8 lakh ha (4991 lakh acres) area was covered under maize with a production of 11623 lakh tonnes and yield 5754 Kg/ha (2328 Kg/acre). Maize area coverage in top most cultivating countries of the world is as follows i.e., China 412.9 lakh ha (1020.34 lakh acres), United States of America 333.7 lakh ha (824.6 lakh acres), Brazil 182.53 lakh ha (451.05 lakh acres), India 98.65 lakh ha (243.76 lakh acres), Argentina 77.30 lakh ha (191.02 lakh acres), Mexico 71.5 lakh ha (176.83 lakh acres), Nigeria 75.34 lakh ha (186.18 lakh acres) and Ukraine 53.92 lakh ha (133.24 lakh acres).

World's maize production forecast has increased from 11317 lakh tonnes in 2020-21 to 12100 lakh tonnes in 2021-22. Accordingly, total supply would increase from 14297 to 14866 lakh tonnes, export would decrease from 1885 to 1747 lakh tonnes and consumption would increase from 11530 to 12009 lakh tonnes in 2021-22. World's carryout stocks at the end of 2021-22 was estimated at 2857 lakh tonnes up by 3.28% from 2766 lakh tonnes recorded during the corresponding period of last year 2020-21.

In India, during kharif 2021-22, area coverage under maize was around 81.52 lakh hectares (201.44 lakh acres) as compared to 80.23 lakh hectares (198.25 lakh acres) during kharif 2020-21. Major maize growing states in India are Madhya Pradesh 15.15 lakh ha (37.44 lakh acres), Karnataka 13.89 lakh ha (34.32 lakh acres), Rajasthan 8.38 lakh ha (20.71 lakh acres), Maharashtra 8.60 lakh ha (21.25 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) and Telangana 2.87 lakh ha (7.09 lakh acres).

As per 3rd advance estimates, India's maize production is likely to increase by 4.83% from 316.5 lakh tonnes in 2020-21 to 331.8 lakh tonnes in 2021-22. Total supply would increase from 434.7 to 508.1 lakh tonnes, export would decrease from 34.7 to 22.1 lakh tonnes and consumption would increase from 225.2 to 227.5 lakh tonnes in 2021-22. Maize ending stock is at 258.5 lakh tonnes in 2021-22 as compared to 174.8 lakh tonnes in 2020-21. This higher ending stock is due to increase in production.

As per the trade sources, during the month of April'22, around 124100 MT of Maize vessels were loaded for exports, out of which around 85,140 MT was loaded during previous week. Maximum loading took place at Vizag port. There is continuous demand for Maize from neighboring countries like Bangladesh, Nepal and Vietnam. After observing ongoing international demand, volume of exports and the seasonality, on an average it is expected that Indian exports would continue to remain strong on the account of high requirement of Corn in the international feed market.

Maize sourced from Bihar is being supplied to Uttar Pradesh, Maharashtra, Madhya Pradesh as well as Tamil Nadu for poultry and Cattle feed purpose. In Indore, Madhya Pradesh buyers were buying New Maize at the rates between Rs. 2,300 - 2,400 per quintal sourced from Bihar. Maize delivery rate for Tamil Nadu and Maharashtra sourced from Bihar varied between Rs. 2,450 to 2,500 per quintal.

In Telangana, during kharif 2021-22 area under maize was 2.87 lakh hectares (7.09 lakh acres) as against 0.91 lakh ha (2.25 lakh acres) during kharif 2020-21. Major maize growing districts in Telangana include Mahabubnagar 0.30 lakh ha (0.75 lakh acres), Rangareddy 0.28 lakh ha (0.71 lakh acres), Kamareddy 0.25 lakh ha (0.62 lakh acres), Vikarabad 0.24 lakh ha (0.60 lakh acres), Mahabubabad 0.17 lakh ha (0.44 lakh acres), Nizamabad 0.10 lakh ha (0.26 lakh acres), Nagarkurnool 0.16 lakh ha (0.40 lakh acres), Siddipet 0.17 lakh ha (0.43 lakh acres) contributing nearly 80% of total maize production. It is expected that increase in acreage and increasing demand from poultry industry would support maize prices in the state. In 2021-22 as per the Telangana 2nd advance estimates maize production is at 25.67 lakh tonnes.

The Agricultural Market Intelligence Centre established under a research project for development of price forecasting mechanism in the Department of Agricultural Economics, College of Agriculture, Rajendranagar, Hyderabad at Professor Jayashankar Telangana State Agricultural University with the financial support of Agricultural Marketing Department, Telangana State has assessed 2022-23 vanakalam (kharif) pre-sowing price forecast of maize. Under expected normal rainfall and crop coverage, it is estimated that the maize price per quintal will be around **Rs.1870-2150** at the time of harvesting (Oct to Nov 2022). This price forecast is based on the monthly modal price of maize obtained for 20 years from Badepalli regulated market using econometric models like ARIMA, ARIMAX, SARIMA, ARCH, GARCH and also the market survey.

Note: There may be any possible deviation of the actual prices from the predicted prices in light of tentative developments in the commodity markets such as change in international prices, export or import restrictions, etc. And these price forecasts are based on past market price data & different econometric models and that actual market price may not turn out to be the same as forecasted.