

YASANGI (RABI) 2022-23 PRE-HARVEST PRICE FORECAST OF MAIZE
Maize Price per Quintal will be around Rs. 1962-2350 at the Time of Harvesting
(January to March 2023)

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.

World's maize production forecast has decreased from 12188 lakh tonnes (2021-22) to 11662 lakh tonnes in new season (2022-23). Accordingly, total supply, export and consumption would also decrease from 14974 to 14470 lakh tonnes, 1794 to 1704 lakh tonnes and 12167 to 11898 lakh tonnes respectively in 2022-23. World's carryout stocks at the end of 2022-23 was estimated at 2572 lakh tonnes down by 9.13% from 2807 lakh tonnes recorded during the corresponding period of last year 2021-22.

In India, during Rabi 2022-23, area under maize was 13.47 lakh hectares (33.29 lakh acres) as compared to 10.98 lakh hectares (27.14 lakh acres) during Rabi 2021-22. Major maize growing states in India are Bihar 3.60 lakh ha (8.90 lakh acres), Maharashtra 2.34 lakh ha (5.79 lakh acres), Tamil Nadu 1.85 lakh ha (4.57 lakh acres), West Bengal 1.09 lakh ha (2.69 lakh acres), Karnataka 1.04 lakh ha (2.57 lakh acres), Gujarat 0.92 lakh ha (2.27 lakh acres), Telangana 0.72 lakh ha (1.78 lakh acres) and Andhra Pradesh 0.66 lakh ha (1.63 lakh acres). According to the 1st Advance Estimates of Production of food grains for 2022-23, maize production estimate was 23.10 million tonnes as compared to last year production of 21.24 million tonnes.

As per the advance estimates of International Grains Council, India's maize production is to decrease by 12.44% from 336.2 in 2021-22 to 299.0 lakh tonnes in 2022-23. Total supply would decrease from 513.9 to 490.4 lakh tonnes, export would decrease from 34.0 to 17.2 lakh tonnes and consumption would increase from 191.0 to 295 lakh tonnes in 2022-23. Maize ending stock would be at 178.2 lakh tonnes in 2022-23 as compared to 188.9 lakh tonnes in 2021-22. Maize prices displayed a slightly firm price trend across the major spot markets in the nation. The arrivals at the various markets are still ongoing. However, maize prices have begun to rise again. Strong demand for maize from stockiest, merchants, exporters and feed producers kept the prices firm despite the peak arrival season. Additionally, this year's maize rail rake traffic is still robust.

In Telangana, during yasangi (rabi) 2022-23 area under maize was 0.72 lakh hectares (1.78 lakh acres) as against 0.44 lakh hectares (1.09 lakh acres) during rabi 2021-22. Major maize growing districts in Telangana include Nirmal 16232 ha (0.40 lakh acres), Kamareddy 10076 ha (0.25 lakh acres), Nizamabad 8792 ha (0.22 lakh acres), Khammam 7169 ha (0.18 lakh acres), Jagityal 5416 ha (0.13 lakh acres), Gadwal 4673 ha (0.11 lakh acres), and Mahabubabad 4777 ha (0.12 lakh acres), contributing nearly 70% of total maize production. According to 1st Advance Estimates of Production of Food grains for 2022-23, Maize production estimate was 10.11 lakh tonnes in Telangana State.

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 yasangi (rabi) pre-harvest price forecast of maize. Under normal weather and crop condition, it is predicted that the maize price per quintal will be around **Rs.1962-2350** at the time of harvesting (Jan to Mar 2023). 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.