

YASANGI (RABI)2021-22 PRE-SOWING PRICE FORECAST OF MAIZE

Maize Price per Quintal will be around Rs. 1650-1900 at the Time of Harvesting (January to March 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.

World's maize production forecast has increased from 11269 lakh tonnes (2020-21) to 12021 lakh tonne in new season (2021-22). Accordingly, the total supply would increase from 14246 to 14709 lakh tonnes, export would decrease from 1892 to 1792 lakh tonnes and consumption would increase from 11557 to 12007 lakh tonnes in 2021-22. The World's carryout stocks at the end of 2020-21 was estimated at 2688 lakh tonnes, down by 10.75% from 2977 lakh tonnes recorded during the corresponding period of last year.

In India, during Rabi 2020-21, area under maize was 16.93 lakh hectares as compared to 17.48 lakh hectares during Rabi 2019-20. Major maize growing states in India are Bihar 5.27 lakh ha (13.02 lakh acres), Maharashtra 2.72 lakh ha (6.72 lakh acres), Telangana 1.88 lakh ha (4.66 lakh acres), Tamil Nadu 1.57 lakh ha (3.88 lakh acres), Andhra Pradesh 1.28 lakh ha (3.16 lakh acres), Gujarat 0.97 lakh ha (2.40 lakh acres) and West Bengal 1.52 lakh ha (3.76 lakh acres).

As per the advance estimates of international grain council, India's maize production is likely to decrease by 5.03% from 315.1 in 2020-21 to 300 lakh tonnes in 2021-22. Total supply would decrease from 334 to 328 lakh tonnes, export would decrease from 28 to 13 lakh tonnes and consumption would increase from 282 to 294 lakh tonnes in 2021-22. Maize ending stock is at 21 lakh tonnes in 2021-22 as compared to 25 lakh tonnes in 2020-21. This lower ending stock and increasing demand from poultry industry would support to maize prices.

In Telangana, during rabi 2020-21 area under maize was 1.88 lakh hectares (4.66 lakh acres) as against 2.34 lakh hectares (5.79 lakh acres) during rabi 2019-20. Major maize growing districts in Telangana include Warangal 44157 ha (1.09 lakh acres), Khammam 32597 ha (0.80 lakh acres), Nirmal 19656 ha (0.48 lakh acres), Kamareddy 7851 ha (0.19 lakh acres) and Mahabubabad 14285 ha (0.35 lakh acres), contributing nearly 70% of total maize production.

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 2021-22 yasangi (rabi) pre-sowing price forecast of maize. Under expected normal weather and crop coverage, it is predicted that the maize price per quintal will be around **Rs.1650-1900** at the time of harvesting (Jan to Mar 2022). This price forecast is based on the monthly modal price of maize obtained for 19 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.