

## **VANAKALAM( KHARIF) 2021-22 PRE-SOWING PRICE FORECAST OF MAIZE**

### **Maize Price per Quintal will be around Rs. 1500-1700 at the Time of Harvesting (October to November 2021)**

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 2019-20, about 1972 lakh ha (4872 lakh acres) area was covered under maize with a production of 11484 lakh tonnes and yield 5823 Kg/ha (2356 Kg/acre). Maize area coverage in top most cultivating countries of the world is as follows i.e., China 413 lakh ha (1020.7 lakh acres), United States of America 329.5 lakh ha (814.22 lakh acres), Brazil 175.1 lakh ha (432.87 lakh acres), India 90.27 lakh ha (223.06 lakh acres), Argentina 72.32 lakh ha (178.72 lakh acres), Mexico 66.90 lakh ha (165.32 lakh acres), Indonesia 56.44 lakh ha (139.48 lakh acres) and Ukraine 49.86 lakh ha (123.22 lakh acres).

World's maize production forecast has increased from 11401 lakh tonnes (2020-21) to 11923 lakh tonnes in new season (2021-22). Accordingly total supply would increase from 14368 to 14635 lakh tonnes, export would decrease from 1853 to 1839 lakh tonnes and consumption would increase from 11656 to 11993 lakh tonnes in 2020-21. World's carryout stocks at the end of 2020-21 was estimated at 2712 lakh tonnes down by 8.62% from 2968 lakh tonnes recorded during the corresponding period of last year 2019-20.

In India, during vanakalam (kharif) 2020-21, area under maize was 82.71 lakh hectares (204.37 lakh acres) as compared to 81.19 lakh hectares (200.62 lakh acres) during vanakalam (kharif) 2019-20. Major maize growing states in India are Madhya Pradesh 15.38 lakh ha (38.00 lakh acres), Karnataka 13.91 lakh ha (34.37 lakh acres), Maharashtra 8.81 lakh ha (21.77 lakh acres), Rajasthan 9.34 lakh ha (23.08 lakh acres), Bihar 3.99 lakh ha (9.86 lakh acres), Uttar Pradesh 7.41 lakh ha (18.31 lakh acres) and Telangana 0.89 lakh ha (2.20 lakh acres).

As per 2<sup>nd</sup> advance estimates India's maize production is likely to increase by 4.83% from 287.7 lakh tonnes in 2019-20 to 301.6 lakh tonnes in 2020-21. Total supply would increase from 355.3 to 363.3 lakh tonnes, export would increase from 1.11 to 2.68 lakh tonnes and consumption would decrease from 226.2 to 225.2 lakh tonnes in 2020-21. Maize ending stock is at 113.6 lakh tonnes in 2020-21 as compared to 118.0 lakh tonnes in 2019-20. This lower ending stock is due to decrease in production.

In Telangana, during vanakalam (kharif) 2020-21 area under maize was 0.91 lakh hectares (2.25 lakh acres) as against 4.09 lakh hectares (10.11 lakh acres) during vanakalam (kharif) 2019-20. Major maize growing districts in Telangana include Siddipet 4477 ha (11063 acres), Rangareddy 9020 ha (22290 acres), Nagarkurnool 5161 ha (12753 acres), Vikarabad 3361 ha (8304 acres), Kamareddy 13550 ha (33358 acres), Nizamabad 8673 ha (21431 acres) and Mahbubabad 9726 ha (24034 acres) contributing nearly 85% 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 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. 1500-1700** at the time of harvesting (Oct to Nov 2021). 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.*