

## **VANAKALAM ( KHARIF) 2020-21 PRE-SOWING PRICE FORECAST OF MAIZE**

### **Maize Price per Quintal will be around Rs. 1650-1850 at the Time of Harvesting (October to November 2020)**

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 about 165 countries having wider diversity of soil, climate, biodiversity and management practices that contribute 36% (782 metric tonnes) of the global grain production. 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 2018-19, about 1937 lakh ha (4786 lakh acres) area was covered under maize with a production of 11477 lakh tonnes and yield 5925 Kg/ha (2397 Kg/acre). Top most cultivating countries of maize in the world are china 421.59 lakh ha (1041.74 lakh acres), United States of America 330.79 lakh ha (817.39 lakh acres), Brazil 161.21 lakh ha (398.35 lakh acres), India 92 lakh ha (227.33 lakh acres), Argentina 71.39 lakh ha (176.39 lakh acres), Mexico 71.23 lakh ha (176.00 lakh acres), Indonesia 56.80 lakh ha (140.36 lakh acres) and Ukraine 45.60 lakh ha (112.78 lakh acres).

World's maize production forecast has increased from 11186 lakh tonnes (2019-20) to 11578 lakh tonnes in new season (2020-21). Accordingly total supply would increase from 14419 to 14533 lakh tonnes, export would increase from 1685 to 1725 lakh tonnes and consumption would increase from 11453 to 11734 lakh tonnes in 2020-21. In World's carryout stocks at the end of 2019-20 was estimated at 2966 lakh tonnes down by 9.3% from 3233 lakh tonnes recorded during the corresponding period of last year.

In India, during vanakalam (kharif) 2019-20, area under maize was 81.91 lakh hectares (202.39 lakh acres) as compared to 79.94 lakh hectares (197.53 lakh acres) during vanakalam (kharif) 2018-19. Major maize growing states in India are Madhya Pradesh 15.42 lakh ha (38.10 lakh acres), Karnataka 12.15 lakh ha (30.02 lakh acres), Maharashtra 8.71 lakh ha (21.52 lakh acres), Rajasthan 8.84 lakh ha (21.84 lakh acres), Bihar 3.98 lakh ha ( 9.83 lakh acres), Uttar Pradesh 7.38 lakh ha (18.3 lakh acres), Telangana 3.92 lakh ha ( 9.6 lakh acres), Gujarat 3.01 lakh ha (7.43 lakh acres) and Chhattisgarh 2.14 lakh ha (5.28 lakh acres).

As per 3<sup>rd</sup> advance estimates India's maize production is likely to increase by 27.5% from 227.2 in 2018-19 to 289.8 lakh tonnes in 2019-20. Total supply would increase from 254.3 to 307.4 lakh tonnes, export would decrease from 5.8 to 4.7 lakh tonnes and consumption would decrease from 234.3 to 226.3 lakh tonnes in 2019-20. Maize ending stock is at 76.4 lakh tonnes in 2019-20 as compared to 14.2 lakh tonnes in 2018-19. This higher ending stock is due to increase in production.

In Telangana, during vanakalam (kharif) 2019-20 area under maize was 3.92 lakh hectares (9.6 lakh acres) as against 4.61 lakh hectares (11.39 lakh acres) during vanakalam (kharif) 2018-19. Major maize growing districts in Telangana include Siddipet 0.58 lakh ha (1.45 lakh acres), Rangareddy 0.39 lakh ha (0.96 lakh acres), Nagarkurnool 0.31 lakh ha (0.76 lakh acres), Vikarabad 0.27 lakh ha (0.66 lakh acres), Mahabubnagar 0.279 lakh ha (0.689 lakh acres), Kamareddy 0.299 lakh ha (0.738 lakh acres), Nizamabad 0.243 ha (0.60 lakh acres), Warangal 0.16 lakh ha (0.40 lakh acres) and Jagtial 0.22 lakh ha (0.56 lakh 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 2020-21 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.1650-1850** at the time of harvesting (Oct to Nov 2020). This price forecast is based on the monthly modal price of maize obtained for 18 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.*