

IMPLEMENTATION OF ARIMA MODEL FOR CASHEW EXPORT FROM INDIA

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ABSTRACT

Commercial cultivation of cashew nut begins in the early 1960s and, over the years, cashew became a crop with high economic value and attained the status of an export-oriented commodity, earning considerable foreign exchange for the country. This research is a study model of forecasting cashew export from India for 1997-2017. ARIMA forecasting model is used in various fields like predicting the price of shares, production of agriculture products, sales, GDP etc. ARIMA model is used for forecasting cashew export from India. This paper covers time series analysis, Probability Plot, Trend Analysis, ACF, PACF, Residual Analysis. Using ARIMA Model it is forecasted that export of cashew nut from India will be 97655.1 (MT) in 2022. The results are numerically and graphically presented.

Keywords: Cashewnut Export, ARIMA, Forecasting and Residual Analysis