

## **ABSTRACT**

The main purpose of this thesis is to estimate the production and yield of Cotton in Punjab, Pakistan using the Co-integration approach. In this study, we examine the occurrence of “Stochastic Trend” in data series; the results of unit root is recommended that underlying data series were most probable non-stationary at level and stationary at first difference. We have afterward investigated the procedure of Long- Run relationship between Yield, Production and Area of Cotton in Punjab, Pakistan by using Co-integration analysis. We have also anticipated Short-Run dynamics of co integrated variables. For the analysis of data, statistical software E-views, has been used which is similar in temperament for time series data analysis.