ABSTRACT

The main objective of this study was to determine the factor which affecting the production of maize and predict the production of maize by checking over-all significance of all variables. For this particular study, secondary data is used taking from an Agriculture department, Government of Punjab, "Crop Reporting Services", (CRS) Lahore. Data has been collected from districts of Punjab of the Pakistan i-e Sahiwal, Okara, Kasur and Pakpattan. Study period includes both season's spring and autumn of 2009-2012.

There are sixteen variables used in this study. Three are reference variables, one is dependent variable and explanatory variables are eleven, including five categorical and six quantitative variables. There are 1176 cases. One questionnaire covers six cases. Production of Maize (kg) is used as dependent variable and some factors affecting the production are used as explanatory variables. Statistical techniques of Multiple Linear regression, ANOVA and Descriptive study have been carried out. Out of eleven variables last crop, No.of water, urea, seed source and No.of plough have been identified to be significant. Data has been split in to spring and autumn, to calculate descriptive and interpreted individually to estimate the season wise production and over-all production of maize.