

ABSTRACT

THE DETERMINATION OF YIELD AND YIELD COMPONENTS OF SOME HYBRID MAIZE VARIETIES UNDER SECOND CROPS CONDITIONS IN MANISA

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Master Thesis, Department of Crop Science

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2009, 54 pages

This study was conducted at in Beydere Manisa. The purpose of this research was to determine yield and yield components of some hybrid maize under second crop conditions in Manisa.

Twelve hybrid maize varieties were used as a research material. Hybrid maize varieties were grown in a randomized block design with 4 replications.

In this study, 13 traits were investigated including yield and the moisture ratios at harvesting which are the most important traits in term of earliness the differences among varieties were found to be significant for all investigated characters based on the results of variance analyses.

The moisture ratios at harvesting ranged between 22,3-29,1 %, and the average moisture value was 26,8 %. The average yield of maize varieties was found to be between 742 kg/da and 1208 kg/da, and the average yield was determined as a 975 kg/da.

Key Words

Maize, second crop, seed yield, harvesting moisture, tasseling time, the number of rows in a cob, the number of seeds in a row.