Turkish Journal

of

Agriculture and Forestry

Keywords
Authors

agric@tubitak.gov.tr

Scientific Journals Home Page

Turkish Journal of Agriculture and Forestry

Determination of Maize Genotypes Tolerates to Low Temperature at Early Developing Stages

Engin KINACI
Bahri Dağdaş Milletlerarası Kışlık Hububat Arst. Merk., Konya-TÜRKİYE
Ekrem KÜN
Ankara Üniversitesi, Ziraat Fakültesi Tarla Bitkileri Bölümü, Ankara-TÜRKİYE

Abstract: This research has been carried to identify maize genotypes which germinate and emerge under the temperature commonly known as minimum and tolerate to low degrees of temparatures at early developing stages. Samples have been used were collected from regions or locations where early planting of maize is risky and/or growing period is not sufficient. Variations were determined for germination rate, number of 50% germination days, number of 50% emergence days, number of primary roots and their total length and coleoptile length. These samples were germinated at 9 o C and showed resistance to 4.8 o C air temperature at early developing stage. According to the results obtained, genotypes which will select from these samples can be use as variety deve-lopment source for the region.

Turk. J. Agric. For., **23**, (1999), 191-196.
Full text: pdf
Other articles published in the same issue: Turk. J. Agric. For.,vol.23,iss.2.