Abstract

Drought stress is one of the most important environmental stresses that limit the growth and agricultural production To do this the right program for precision irrigation is required Multivariate analysis for yield and yield components of melon in normal and stress conditions, The research in Sistan area in crop year 1394-1395 at the Agricultural Research Station and Natural Resources Zehak In the form of a split (split) in normal and drought conditions with twenty genotypes for drought irrigation melon fruit since the beginning of the season was performed in triplicate The results indicate that the positive and negative correlations between traits there. Among the agronomic characteristics, fruit weight, fruit length, fruit width and diameter of the holes have an impact on increasing yield fruit weight showed the highest correlation with performance. According to both normal and drought conditions also can be concluded The choice of plants in stress and non-stress environments first had to traits related to fruit properties Given the level of photosynthesis and seed quality and are in second grade.

Keywords: Water stress, genotype, regression, melons

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Yeild and its components moltivariate analysis

for normal and stress conditions in melon

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