

The Study of the Mutual Effect of Genotype in Environment by Percent of Oil Criterion in Sunflower

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Abstract : In order to study the Mutual effect of genotype \times environment for the percent of oil index in sunflower items, an experiment was accomplished in form of complete random block designs in four iteration in four diverse researching station comprising Esfahan, Birjand, Sari, and Karaj. Complex variance analysis showed that there is an important diversity between the items under investigation. The results pertaining the coefficient variation of items Azargol and Vidoc has respectively allocated the minimum coefficient of variations. According to the results extrapolated from Shokla stability variance, the Items Brocar, Allison and Fabiola, are among the stable genotypes for oil percent respectively. in the biplot GGE, the location under investigations divided in two super-environment, first one comprised of locations naming Esfahan, Karaj, and Birjand, and second one were such a location as Sari. By this point of view, in the first super-environment, the Item Fabiola and in the second Almanzor item was among the best items and crops.

Keywords : sunflower, stability, GGE bipilot, super-environment

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