

STUDY OF COMBINING ABILITY AND GENE ACTION OF FLAG LEAF AREA IN WHEAT

M.R. Naroui Rad[†], Sh. Kuhkan, H. Akbari Moghaddam, H. Fanaei, A.R. Arjmandi Nejad,
M. Farzanju

Agriculture and Natural Resources Research Center of Sistan, Iran

[†] E-mail: *narouirad@yahoo.com*

In order to evaluation of flag leaf area inheritance and specific and general combining ability in five wheat cultivars as half diallel were conducted. parents and f1 generation planted in randomized complete block design after complete of growth , flag leaf area evaluated in each treatments .analysis of variance showed there are different among genotypes . GCA and SCA variances for this trait was significant but MSGCA/MSSCA ratio wasnt significant and this indicated to non additive effect has the mor importance in this trait control , amount of narrow and broad heritability were respectively 0.43 and 0.97 and compare means showed cultivar bulani had the most flag leaf area and graphical analysis showed recessive genes in this parent was more to ratio other parents.