

ESTIMATE OF HERITABILITIES AND GENOTYPE BY ENVIRONMENT INTERACTIONS FOR 100-SEED WEIGHT, DAYS TO FLOWERING AND PLANT HEIGHT IN KABULI CHICKPEAS (*Cicer arietinum* L.)

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ABSTRACT

Eight kabuli chickpea (*Cicer arietinum* L.) genotypes were grown at low- and high-lands of the West-Mediterranean region of Turkey in order to estimate the broad-sense heritabilities and to determine the genotype by environment interaction for seed weight, plant height and days to flowering. Significant differences between the genotypes were found for all the characters. The genotype by location interactions were also significant. The heritabilities for 100-seed weight, days to flowering and plant height were estimated as 93%, 60% and 43%, respectively.