

# **Study of Response on Greengram Genotypes for Water Stress Conditions**

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## **ABSTRACT**

A Laboratory experiment was conducted at Department of Crop Physiology, Agricultural College, Bapatla during 2011-2012 to study the greengram genotypes for water stress conditions. The results revealed that as the water stress increases from -0.3 M.Pa to 1.2 M.Pa, the percentage of germination, root, shoot length and seedling vigour index decreased in all the genotypes. Among the greengram genotypes tested, GG450 and PM112 withstand the water even upto -1.2M.Pa followed by WGG37, TM96-2 and LGG486.

**Key words :** Greengram, Seed germination, Seedling vigour index and Water Stress.