# Influence of Brassinosteroid (BR) on Photosynthetic Pigments of Groundnut under Water Stress at Pod development Stage

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**ABSTRACT**

The influence of brassi no steroid (BR) (3µ M) as seed treatment, foliar spray (at 55 and 65 DAS) and seed treatment + foliar spray on photosynthetic pigments of groundnut under water stress was studied in pot culture in a completely randomized block design. The observations on concentration of photosynthetic pigments revealed that under water stress BR application had no effect on chl-a content but increased the level of Chl-b and it was found 44.0 percent high with BR foliar spray at 55 DAS over stressed plants.The influence of BR on chl-a / chl-b ratio and Carotenoid content of stressed plants was not noticed. Application of BR enhanced the total chlorophyll content and also retained it for longer period.

**Key words:** Brassinosteroid (BR), Groundnut ,Photosynthetic pigments, Water stress