

Abstract

Abstract: Pretreatment of seeds of cowpea (*Vigna sinensis* End L.) with indole 3- acetic acid and indole butyric acid had beneficial effects on their germination, dry matter production, flowering and yield. Treatment with Gibberellic acid resulted to increased rate of germination and plant height while the plants raised from seeds treated with distilled water were the same as the untreated plants (control) in terms of measured parameters. Maleic hydrazide on the other hand, had inhibitory effects on the rate of germination, dry matter production, flowering and yield. Neither indole 3-acetic acid nor gibberellic nullified the inhibitory effects of maleic hydrazide. Key words: Flowering, Germination, Gibberellic acid, Indole butyric acid, Indole 3-acetic acid, Maleic hydrazide, *Vigna sinensis* End L, Yield.

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