

EFFECT OF COWDUNG MANURE, GIBBERELIC ACID, UREA AND DIFFERENT SOIL SAMPLES ON GROWTH AND TOTAL ALKALOID CONTENT IN ROOTS OF *DESMODIUM GANGETICUM* (L.) DC.

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Abstract

*Pot experiments were conducted to evaluate the effect of cowdung manure, urea, GA3 and different soil samples on growth and total alkaloid contents in roots of *Desmodium gangeticum* (L.) DC.. The cowdung manure @ 750gm/pot (plant), foliar application of GA3 300 ppm and urea 0.5% were found to be most suitable as they showed significant increase in overall growth and total alkaloid content in roots. Among different soil samples used, black cotton soil: river sand (1:1) was found to be better for growth of *Desmodium gangeticum* (L.) DC.*

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