

NODULATION IN SESBANIA BISPINOSA AS AFFECTED BY NITROGEN APPLICATION

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ABSTRACT

Effect of nitrogen, in the form of urea @ 0, 10, 20, 30, 40, and 50 kg ha⁻¹, by broadcast application, on nodulation in Sesbania bispinosa (dhancha) was studied. Maximum increase in the number of nodules plant⁻¹, over control, at 15, 30, 45, and 60 days after germination was with 30 kg N ha⁻¹ and lower as well as higher doses of nitrogen had depressed nodulation. However, plant heights (cm) and dry matter yields (g plant⁻¹ & tons ha⁻¹), at every cutting, showed a linear increase with the increasing rates of nitrogen.