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## RESEARCH PAPER

# Effect of nitrogen, phosphorus and potassium on growth and yield of golden rod (*Solidago canadensis* L.) cv. LOCAL

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**Abstract :** An experiment was conducted to study the effect of nitrogen, phosphorus and potassium on growth and yield of golden rod (*Solidago canadensis* L.) cv. LOCAL using twelve treatment combinations consisting of three levels of nitrogen viz., 150, 200 and 250 kg/ha, two levels of phosphorus i.e., 100 and 150 kg/ha, two levels of potassium 50 and 100 kg/ha were tried in Randomized Block Design with factorial concept (FRBD) with three replications. The results revealed that the application of nitrogen @ 250 kg/ha, phosphorus 150 kg/ha and potassium 100 kg/ha (half dose of nitrogen and full dose of phosphorus and potash at the time of planting and remaining half dose of nitrogen at 30 days after planting) significantly increased growth parameters viz., plant height, plant spread, fresh and dry weight of plant, number of suckers per plant and yield attributes like fresh and dry weight of panicles, number of panicles per plant and number of panicles per hectare.

**Key Words :** Golden rod, *Solidago canadensis*, Nutrients, Cut flower

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