

## Fertilizer requirements of drumstick cv. PKM-1

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### ABSTRACT

The experiment was conducted in Factorial Randomized Block Design (FRBD) with three replications at Horticulture Research Farm under middle Gujarat agro-climatic zone –III (AES-II) during the year 2005, 2007 and 2008. Treatment involved three levels of nitrogen and two levels of potash. Pruning was done on first week of May and planting was done at distance of 2.5 x 2.5 meter distance. Treatment involved three levels of nitrogen and one level of potash. The nitrogen fertilizer @ 25 g/ plant gave significantly maximum plant height, number of branches, length of branches (cm), diameter of branches (cm), weight of pod (g), length of pod (cm), diameter of pod (cm), number of pods per tree, yield of pods per tree (kg), yield of pods (t/ha) and total soluble solids. From the experiment and conclusion, the farmers are advised to apply 100 g nitrogen, 25 g potash and 10 Kg FYM per plant. Among them the half dose of nitrogen, full dose of potash and FYM should be given in first week of May after pruning and remaining half dose of nitrogen in the month of October to drumstick cv. PKM-1 for obtaining higher yield (46.79 t/ ha.) with net return (Rs.1,21,926) and higher CBR (1 : 7.61).

**Key words :** Drumestick, Fertilizer management, Nitrogen, Potash

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