Effect of nitrogen and phosphorus levels on growth, flowering and pod formation of fenugreek
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ABSTRACT
An experiment was carried out at the main Garden, University Department of Horticulture, Dr. PDKV, Akola (M.S.) with 25 treatments. The treatments comprised of five levels of nitrogen \( i.e. \) 0, 30, 60, 90 and 120 kg ha\(^{-1}\) and five levels of phosphorus \( i.e. \) 0, 15, 30, 45 and 60 kg ha\(^{-1}\). The experiment was laid out in Factorial Randomized Block Design with three replications. The result of present investigation indicated that, the vegetative growth in terms of plant height, number of leaves and number of branches was increased due to an application of 120 kg nitrogen and 60 kg phosphorus per ha. The maturity parameters like number of days required for first flower initiation, days required for 50% flowering, first pod formation, 50% pod formation and maturity of seed crop were found to be delayed with an increased level of 120 kg nitrogen and 60 kg phosphorus per ha.

Key words: Nitrogen, Phosphorus, Growth, Flowering, Fenugreek, Pod formation