

Evaluation of self propelled pneumatic planter for rain fed crops

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■ **ABSTRACT** : A proper placement of seed in field is most important operation in order to obtain optimum yield of crop. Considering limitation due to costly seed, traditional method of manual dibbling, labour and small marginal land holding pattern. A controlled seeding rate such as seeds per hectare is desired when planting in order to obtain the optimum yield of a crop. A study was conducted at Department of Farm Power and Machinery, Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola to evaluate performance of pneumatic planter. The objective of the study was to test and evaluate the performance of the self propelled pneumatic planter for various crops likes sunflower, seasamum and soybean etc. It was observed that the field efficiency in the range of 75.86 to 59.5 % during the various crops sown. Saving in cost of operation was observed in the range of 50 to 67 % over the traditional method. Saving in seed cost per hectare was up to Rs. 1350 in case of cotton and Rs. 1000 in case of sunflower.

■ **KEY WORDS** : Field test, Pneumaticplanter, Performance evaluation, Self propelled

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