



RESEARCH PAPER

Laboratory test of a seed metering device of manually operated multi-crop planter for red gram (*C. cajan*)

Kalay Khan*, S. C. Moses¹ and Padam Singh²

College of Agricultural Engineering and Technology (SKUAST), Shalimar, Srinagar (J&K) India
(Email: khan.kalay93@gmail.com)

Abstract : Seed metering device is the most important part of planter which distribute seeds uniformly at the desired application rates. Manual method of seed planting, results in low seed placement, more consuming time, non uniform seed spacing and serious back ache for the farmer and decrease the production. The objective of this study was to design a new seed metering device sowing for red gram to overcome seed damage, missing rate, seed loss and non-uniform distribution of seed.

Key Words : Metering device, Red gram, Seed uniformity

View Point Article : Khan, Kalay, Moses, S.C. and Singh, Padam (2020). Laboratory test of a seed metering device of manually operated multi-crop planter for red gram (*C. cajan*). *Internat. J. agric. Sci.*, **16** (1) : 52-56, DOI:10.15740/HAS/IJAS/16.1/52-56. Copyright@2020: Hind Agri-Horticultural Society.

Article History : Received : 20.10.2019; Revised : 11.11.2019; Accepted : 13.12.2019

*** Author for correspondence:**

¹Sam Higginbottom Institute of Science and Technology, Allahabad (U.P.) India

²College of Forestry, Veer Chandra Singh Garhwali Uttarakhand University of Horticulture and Forestry, Ranichauri, Tehri Garhwal (Uttarakhand) India