

Effect of seed release height on seed scattering at different Bt cotton seed category

VINEET KUMAR SHARMA AND DINESH KUMAR

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See end of the Paper for authors' affiliation

Correspondence to :

VINEET KUMAR SHARMA
Department of Farm Machinery
and Power Engineering, C.C.S.
Harayana Agricultural
University, HISAR (HARYANA)
INDIA
Email : sharmavineet9@gmail.
com

■ **ABSTRACT** : The purpose of this research was to examine the effect of different seed release height of planting cotton with reference to the precision planting. The planter was operated at a fixed tractor forward speed of 4 km/h. The seed uniformity (seed to seed distance in row), with in 10m sown by the planter and number of seeds per hill and hill to hill distance, distribution of seed and seed scattering were recorded. The minimum scattering of seeds within the hill was observed at seed release height of 30 cm in the entire seed category. The maximum scattering of seeds in hill distance was recorded at 90 cm seed release height. It is also clear that average hill to hill distance was sown within acceptable seed spacing (72.5 to 77.5 cm) in all combination. Minimum co-efficient of variation hill to hill spacing was observed at seed release height of 30 cm in all the seed size. The maximum co-efficient of variation of hill distance was recorded at 90 cm seed release height.

■ **KEY WORDS** : Distribution pattern, Seed scattering, Seed release height

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