

# Physical properties of seeds and its effect on seed drill performance

■ P.K. GURU, P.S. TIWARI AND R.K. NAIK

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See end of the Paper for authors' affiliation

Correspondence to :

**P.K. GURU**

Indira Gandhi Krishi  
Vishwavidyalaya, RAIPUR (C.G.)  
INDIA  
Email : prabhatkumarguru@  
gmail.com

■ **ABSTRACT** : The site specific application of seed to maintain crop growth is an essential part of precision agriculture and is required to minimize the cost of production. In this study database of selected seed was generated, which used to further development of precision seed will drill to enable variable-rate application with a significant reduced error compared to current seed applicators. The laboratory setup was designed and fabricated. The experiment conducted for three different exposures, two crops, six varieties, and their different seed sizes. The result showed the significant difference in seed delivery rate of seed drill at 1 % level of significance.

■ **KEY WORDS** : Seed drill, Fluted roller, Physical properties of seeds

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