

Performance evaluation of happy seeder for sowing wheat crop in combined harvested

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■ **ABSTRACT** : The present study was undertaken on happy seeder for wheat crop under rice-wheat the cropping system in Allahabad region. In this study evaluate the performance of the happy seeder with conventional method and show its effectiveness over the sowing technique. The performance evaluation was done from the basis of field capacity, field efficiency, actual field capacity, fuel consumption and cost of operation, the compression of economics of operation of happy seeder with conventional method of sowing wheat in combined harvested paddy field, to prove the effectiveness. The operating speed was varying from 2.5 to 3.5 kmph to evaluate the variables. The field efficiency of happy seeder was 43.4% and 65.04% for seed drill at operating speed of 3.5 kmph. The crop residue is heavy which was collected by sampling. The cost of operating per hectare by happy seeder was Rs. 2098.65 and cost of operation per hectare by seed drill + tillage operations was Rs. 3106.38. Therefore cost of operational with happy economical as compared to seed drill by Rs. 1008.38 per hectare. But happy seeder is unique technique for sowing wheat in combine harvested paddy field. It controls the weeds also.

■ **KEY WORDS** : Happy seeder, Rice, Wheat, Seed drill

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