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RESEARCH ARTICLE

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Evaluation of wheat sowing technologies under paddy residue conditions

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ABSTRACT : Evaluation of different wheat sowing technologies under paddy residue conditions were conducted in a combine harvested paddy field. Field of paddy variety PR-121 was harvested with combine. The straw load was 8.22 t/ha at moisture content of 20.2 per cent. Wheat variety (HD 2967) was sown with different farm machines viz., T₁: Happy seeder, T₂: Spatially modified no till drill and T₃: Roto till drill in combine harvested paddy fields. In T₁, all the paddy straw was remained in the field itself but spreaded uniformly manually/stubble shaver, in T₂, 40 per cent of loose paddy straw removed manually/chopping of paddy straw with paddy straw chopper cum spreader while in T₃, there was a partial collection of loose paddy straw manually for better operation of the machines. The grain yield was maximum in treatment T₂ (5395.9 kg/ha).

KEY WORDS : Happy seeder, Spatially modified no till drill, Roto till drill, Paddy straw chopper cum spreader, Stubble shaver

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