

Agronomic Interventions for Enhancing Productivity of Mustard in Rice-Fallows

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ABSTRACT

Afield experiment was conducted during *rabi*, 2017-2018 on clay soils of Agricultural College Farm, Bapatla. The treatments comprised of four seed rates (6 kg ha⁻¹, 8 kg ha⁻¹, 10 kg ha⁻¹ and 12 kg ha⁻¹) allotted to factor-A and three varieties (NPJ-112, PM-28, Pusa bold) allotted to factor-B and laid out in factorial randomized block design and replicated thrice. The experimental results revealed that significantly the highest plant height (113.0 cm), more drymatter accumulation (2059 kg ha⁻¹), seed yield (650 kg ha⁻¹), stalk yield (1450 kg ha⁻¹) was recorded in seed rate treatment 12 kg ha⁻¹. More number of branches per plant (7), siliquae per plant (44), seeds per siliquae (11) was recorded with the seed rate 6 kg ha⁻¹. Variety PM-28 significantly recorded tallest plants (110.1 cm), more drymatter accumulation(1992 kg ha⁻¹), more number of branches (6), seed yield (665 kg ha⁻¹) and stalk yield (1652 kg ha⁻¹).

Key words: *Mustard, Seed rates, Varieties*