

Response of Drill Sown Chilli (*Capsicum annum* L.) to Different Spacings and Fertilizer Levels Under Rainfed Condition

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ABSTRACT

A field experiment was carried out during *kharif* 2005-06 and 2006-07 at Agricultural Research Station, Annigeri, University of Agricultural Sciences, Dharwad to study the response of drill-sown chilli (cv. Annigeri Deluxe) to spacings (60 cm x 30 cm, 75 cm x 15 cm, 75 cm x 30 cm, 90 cm x 15 cm and 90 cm x 30 cm) and fertilizer levels (75-32.5-32.5, 100-50-50 and 125-62.5-62.5 kg ha⁻¹) in vertisols under rainfed conditions. The pooled results revealed that the crop sown at 75 cm X 15 cm spacing recorded significantly higher dry chilli yield (1444 kg ha⁻¹) which was 7.6, 4.5, 16.1 and 8.4% higher over 60 cm x 30 cm, 75 cm x 30 cm, 90 cm x 15 cm and 90 cm x 30 cm spacings, respectively. Application of 125-62.5-62.5 kg NPK ha⁻¹ recorded significantly higher dry chilli yield (1473 kg ha⁻¹) which was 17.6 and 9.9 % higher over 75-32.5-32.5 and 100-50-50 kg NPK ha⁻¹, respectively.

Key words : Benefit Cost Ratio, Drill Sown Chilli, Fertilizer Levels, Net Returns, Spacings