

# Dwarf field pea (*Pisum sativum* L.) as influenced by new varieties and row spacings

SANJAI CHAUDHRY, V.K. VERMA, VISHRAM SINGH, RAM PYARE AND AVDESH KUMAR

Department of Agronomy, Chandra Shekhar Azad University of Agriculture and Technology, KANPUR (U.P.) INDIA

A field experiment was conducted at Kanpur (Uttar Pradesh) during *Rabi* 2010-11 to evaluate the performance of 3 field pea varieties at different row spacings with uniform plant spacing 10 cm within row. The results revealed that variety 'indra' gave highest of 18.84 q/ha grain yield, 20.70 q/ha straw yield, Rs. 18008/ha net return and 0.76 B:C ratio. It was followed by variety 'Sapna', while variety 'Jai' remained at bottom. Among row spacings, 15 cm recorded highest values of 19.20 q/ha grain yield, 20.89 q/ha straw yield and Rs. 17695/ha net return. Benefit : cost ratio was computed highest of 0.75 in 20 cm row spacing. The row spacing of 15 cm and 20 cm were found at par in all respect, but 25 cm row spacing performed significantly poorest. Varieties x row spacing interaction was not found significant. However, the combination of variety 'indra' and 15 cm row spacing gave highest seed yield of 19.68 q/ha and earned maximum net return of rs. 18749/ha.

**Key words :** Field pea, Varieties, Row spacing, Yield, Economics

**How to cite this paper :** Chaudhry, Sanjai, Verma, V.K., Singh, Vishram, Pyare, Ram and Kumar, Avdesh (2014). Dwarf field pea (*Pisum sativum* L.) as influenced by new varieties and row spacings. *Asian J. Bio. Sci.*, 9 (1) : 101-103.