



# Impact of weather on performance of chickpea (*Cicer arietinum* L.) with organic manures and various levels of rock phosphate with PSB grown in vertisol of northern dry zone of Karnataka

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**Abstract :** A field experiment was conducted for two consecutive years to study the impact of weather on performance of chickpea (*Cicer arietinum* L.) with organic manures and various levels of rock phosphate with PSB grown in vertisol of northern dry zone of Karnataka, at Agricultural Research Station, Annigeri, UAS, Dharwad, Karnataka during *Rabi* season of 2009-10 and 2010-11. The experiment was laid out in RCBD with three replications. There were nine treatment combinations consisting of two organic manures *viz.*, compost and FYM with four levels of rock phosphate (50, 100, 150 and 200 kg ha<sup>-1</sup>) and an absolute control treatment for comparison. In both the years 2009-10 and 2010-11 the yield attributing parameters like number of pods per plant (67.76), number of seeds per pod (1.12), test weight (20.71 gram), grain yield (2130 kg/ha) and haulm yield (3300 kg/ha) were recorded with the treatment combination of compost 5 t along with rock phosphate 200 kg / ha compared to other treatment combination and absolute control.

**Key Words :** Chickpea, Organic manures, Compost, FYM, Rock Phosphate

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