

## EFFECT OF ORGANIC SOURCES OF NUTRIENTS ON GROWTH PARAMETERS AND SEED YIELD IN CHILLI CV.PKM 1

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### ABSTRACT

Studies were undertaken at Department of Seed Science and Technology, Tamil Nadu Agricultural University, Coimbatore in chilli cv. PKM 1 with an objective to evaluate the effect of organic sources of nutrients on growth parameters and seed yield. Seeds bioprimered with liquid Azospirillum 15% for 6 h, and the control seeds were sown in protray nursery and were transplanted in the main field 35 days after sowing. Seeds bioprimered with Azospirillum 15% for 6 h performed better in growth and yield contributing factors when compared to control. Organic cultivation of seed crop revealed the superiority of inorganic treatments in terms of plant height, number of flowers plant<sup>-1</sup>, number of fruits plant<sup>-1</sup>, conversion efficiency, fruit yield and seed yield. Among the organic treatments, 100% vermicompost was best followed by 100% poultry manure for chilli seed production.

**KEYWORDS:** Bioprimering, Chilli, Farmyard Manure, Vermicompost

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