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Effect of different organic nutrient management practices on growth and yield of pigeon pea (*Cajanus cajan* L. Millsp.)

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A field experiment was conducted during Kharif season of 2016 to study the effect of organic nutrient management practices on growth and yield of pigeon pea (*Cajanus cajan* (L.) Millsp.) in sandy loam soils of Zonal Agricultural and Horticultural Research Station, Navile Shivamogga, Karnataka. Among the different nutrient management treatments, application of recommended dose of FYM along with 100% N equivalent vermicompost has recorded significantly higher grain yield (10.89 q/ha) as compared to rest of the treatments. Similarly higher pods per plant (223.3 pods/plant) test weight (11.3 g/100 seeds) yield per plant (84 g/plant) also recorded with the same treatment and it was closely followed by application of recommended dose of FYM along with application of 100% N equivalent FYM. Maximum soil microbial population at different growth stages were also observed in the treatment which received recommended dose of FYM along with 100% N equivalent vermicompost.

Biography

Pradeep S is currently working at Organic Farming Research Station, Karnataka, India.

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