

EFFECT OF NURSERY MEDIA ON SEED GERMINATION PERCENTAGE, VIGOUR INDEX, GERMINATION INDEX AND RATE OF EMERGENCE OF PIGEONPEA SEEDLINGS UNDER OPEN AND SHADE NET CONDITIONS

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ABSTRACT

Pot culture Experiment was conducted at Agricultural College and Research Institute, Madurai during 2013-14 for the consecutive three months of October, November and January 2014 to evaluate the performance of pigeonpea seedlings grown with different rooting media under open and shade net conditions suitable for transplanting under delayed condition. The experiments were carried out in a randomized block design having six treatments with four replications. Among the treatments viz., composted coir pith alone had recorded the higher value for germination percentage, germination index, rate of emergence at 25 Days after sowing in the nursery than other media for the seedlings grown in poly bags both under open and shade net condition. Soil, sand and composted coir pith at a ratio of 1:1:1 which recorded higher value of vigour index.

KEYWORDS: Pigeon Pea, Poly Bags, Protrays, Germination (%), Vigour Index, FYM, Vermicompost, Cocopeat