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Effect of growing media, structures and sowing dates on seed germination and seedling growth of custard apple cv. 'BALANAGAR'

■ VANRAJSINH J. PARMAR, H.H. SITAPARA¹ AND J.S. PATEL¹

Members of the Research Forum

Associated Authors:

¹Department of Horticulture,
B.A.College of Agriculture, Anand
Agricultural University, ANAND
(GUJARAT) INDIA
Email : hhsitapara@rocketmail.com;
gabanijs@gmail.com

Author for correspondence :

VANRAJSINH J. PARMAR
Department of Horticulture,
B.A.College of Agriculture, Anand
Agricultural University, ANAND
(GUJARAT) INDIA
Email : vanaraj1988@gmail.com

ABSTRACT : The treatment of soil : vermicompost : paddy husk (1:2:1) had significant influence by recording maximum seed germination at 30 DAS, seedling length, number of leaves per seedling, number of primary roots per seedling, length of tap root per seedling, number of secondary roots per seedling at 30, 60 and 90 days after sowing. It also recorded the maximum fresh and dry weight of seedling at 90 DAS. The condition of net house with 70 per cent mesh size recorded maximum seed germination at 30 DAS, seedling length, number of leaves per seedling at 30 and 90 DAS, number of primary roots per seedling at 30, 60 and 90 DAS, length of tap root per seedling at 30 and 60 DAS, maximum seedling girth at 30 and 60 DAS as well as maximum fresh and dry weight of seedling at 90 DAS. The sowing of seeds on 15th April, 2012 gave maximum germination at 30 DAS and recorded maximum seedling length, number of leaves per seedling, number of primary roots per seedling, length of tap root per seedling, number of secondary roots per seedling and maximum seedlings girth at 30, 60 and 90 DAS. At 90 DAS, maximum fresh and dry weight of seedling was obtained with sowing on 15th April, 2012.

KEY WORDS : Media, Growing structure, Germination, Seedling growth, Dry weight

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