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Effect of sowing dates and foliar spray with algae extract on cluster bean (*Cyamopsis tetragonoloba* L.)

*Khater, Rania M. R.

Medicinal plants and aromatic Department - Desert Research Center - El- Matareya,-
Cairo, Egypt.

Abstract : This research was conducted at El-Qantara Sharq station, North Sinai, Egypt for Desert Research Center during the two successive seasons of 2013 and 2014. The main objective was to study the effect of different planting dates (1st May, 15th May and 1st June), the concentrations of various algae extract (0, 1, 2 cm³/l) and the interaction on the vegetative growth, production of seed yield and Guaran content in *Cyamopsis tetragonoloba* L. plant. The obtained results indicated the possibility of obtaining the highest values of the vegetative growth, seed yield, guaran content and chemical components in Guar plant, when the plants are cultivated on 1st May and sprayed with algae extract at a rate of 2 cm³/ L under the conditions of the experiment.

Keywords: Cluster bean- sowing dates - extract algae - *Cyamopsis tetragonoloba* L.-Guar.

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