

Influence of Organic Inputs on Growth and Yield Attributes of *Aloe vera* (L.)

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ABSTRACT

The experiment on "Influence of organic inputs on the growth and yield of *Aloe vera* L." was conducted at the Department of Horticulture, Annamalai University., Annamalai Nagar, Chidambaram. Application of organics as per treatments viz., FYM @ 1.25, 2.50 and 3.75 kg per plant; press mud @ 1.25, 2.50 and 3.75 kg per plant; decomposed coir pith @ 1.25, 2.50 and 3.75 kg per plant and vermicompost @ 0.50 and 1.0 kg per plant were made before planting of *Aloe vera* suckers. Among the organics, FYM @ 2.5 kg per plant significantly increased the growth of *Aloe vera*. Maximum number of suckers per plant was recorded in FYM @1.25 kg per plant . FYM @2.50 kg/plant significantly increased the yield attributes viz., total juice and gel weight, where as vermicompost @0.5 kg/plant had shown maximum gel weight. Maximum latex content with aloin in the leaves was significantly increased by the application of FYM @1.25 kg/plant. It was concluded that FYM @ 2.5 kg per plant is the best treatment in improving the growth and yield (30.43 tonnes/ha) of *Aloe vera*, to be grown with organic inputs.

Key words : *Aloe vera*, Growth, Organics, Yield.