

Influence of Season and Manuring on Physiological and Growth Parameters of Aloe Vera (*Aloe barbadensis* Miller.)

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ABSTRACT

A field experiment was conducted at College of Agriculture, Rajendranagar during kharif and rabi 2003-2004 to know the influence of season and manuring on physiological and growth parameters of Aloe Vera. Among various treatments vermicompost ($5t\ ha^{-1}$) recorded significantly high number of leaves, leaf area, plant height, SPAD chlorophyll meter readings and shoot fresh weight. Irrespective of treatment, CGR was maximum at 120-150 DAP during kharif. However, in rabi CGR showed two peaks *i.e* at 150-180 DAP and at 210-240 DAP which signified the indeterminate growth habit of Aloe vera. A significant influence of season was also observed in growth and physiological characters of Aloe vera. There was a 15, 16, and 13 per cent increase in shoot fresh weight, leaf area and plant height respectively in kharif planted Aloe vera over rabi planted crop.

Key words : Aloe vera, Growth parameters, Manure, Physiological parameters, Season.