

STATEMENT I

The present work is based on the discovery of facts which are new for *Amaranthus*. Scrutiny of available literature on *Amaranthus* indicates that very little work on potassium nutrition of *Amaranthus* has been carried out. Hence an attempt is made to study the physiological responses of this crop to potassium deficiency. Therefore, the present work represents an original contribution to the physiology of *Amaranthus*. This work has not been previously submitted for the award of any Degree to any institute.

STATEMENT II

The present investigation embodies physiological studies of *Amaranthus* under the conditions of potassium deficiency. This work reports a new investigation. The source from which the information is gathered have been listed in the 'Bibliography' part of the thesis. The current journals, reviews, articles, textbooks and monographs have been extensively referred and correlated. Every attempt has been made to keep the reference work as upto date as possible.



(Dr. P.D. Chavan)

Guide



(Mr. S. B. Patil)

Candidate