

STATEMENT - I

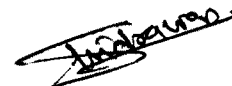
The present investigation deals with influence of presowing soaking treatment of plant growth regulators on germination physiology of soybean. Although it is very well established that seed pretreatment improves germination performance of various crops, the physiological basis of their stimulation is not completely understood. Hence an attempt is made to study the effect of presowing soaking treatment with four plant growth regulators namely ascorbic acid, ethephon, chlorocholine chloride and salicylic acid on some biochemical changes during germination of soybean seeds. Thus this work represents an original contribution to soybean physiology. Further this work has not been submitted for the award of any degree in any institute.

■■■■ STATEMENT - II ■■■■

The present investigation embodies germination studies in soybean with presowing soaking treatments. 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. C. D. Chidrawar)
Candidate

Dr. PRAKASH D. CHAVAN
Reader, Botany Department
Shivaji University, Kolhapur
416004 (S. INDIA)