ACKNOWLEDGEMENT

The author records with deep sense of gratitude and regards, his appreciation to Prof. B.N. Chatterjee, Ph.D. (Reading, U.K.), M.I.Biol. (Lond.), Professor and Head of the Department of Agronomy, University of Kalyani, for his constant guidance in the planning and conduct of this investigation and valuable suggestions in the preparation of the manuscript.

The author expresses his deep sense of gratitude to Prof. S. Sen, Ex-Dean, Faculty of Agriculture, for painstaking trouble in going through the manuscript and making necessary corrections.

The author is grateful to Dr. S. B. Chattopadhyay, Dean, Faculty of Agriculture, for providing necessary facilities for work.

Thanks are also due to Dr. T. K. Gupta, Lecturer in Statistics, for sparing his time to outline statistical procedures, and to Sri M. Das, Assistant Agronomist, Model Agronomic Experiments Scheme, Sri M. A. Roquib, Assistant Botanist, Soybean Scheme, and Sri P. K. Das, Farm Superintendent, for sparing the laboratory and field equipment of their sections.

Sincere thanks are extended to Sri A. N. Dasmahapatra, Lecturer in Agronomy, and Sri G. S. N. Raju, Research Scholar in Soil Science, for their personal help during the author's stay at Kalyani. Generous help of Sri D. N. Roy, Field Assistant, Soybean Scheme, and Sri Phani Bhushan Nandi, Field Worker, is duly acknowledged.

Helps extended by my colleagues Sarvashri S. Maiti, A. K. Mukherjee, K. K. Bhattacharya, B. K. Mondal, A. Kundu, and a large number of friends are gratefully acknowledged.

The author is grateful to the Indian Council of Agricultural Research for providing Senior Research Fellowship for conducting this investigation.

(M. NAGESWARA REDDY)