

Preface

Weather is the most important entity in agricultural production. Sustainable agricultural production is dependent to a large extent on the precise knowledge of the weather resources. Precise measurements of weather elements are required to understand the proper interpretation in relation to crop growth and development.

The manual “Experimental Agrometeorology” provides some of that necessary information using practical description of the “microclimate” or “crop environment”. The manual contains practical assignments that deal with the measurement of weather parameters, instruments used and computation of various weather variables, crop simulation models and agro-met advisories. The manual also contains the description of agro-climatic and agro-ecological zones of India and the state of Jammu and Kashmir. The related information through glossary on the subject and tabulated Saturation Vapour Pressure, Maximum Possible Sun Shine Hours, Mean Solar Radiation and Standard Meteorological Weeks has also been included.

We hope that the manual will be helpful for undergraduate and postgraduate students of agriculture, horticulture, animal science, forestry, fisheries and other related subjects.

Nineteen chapters have been included in the manual with the aim to provide a convenient form information regarding the practices and procedures that are of the greatest importance in agricultural meteorology. The authors would be grateful to receive suggestions from readers for further improvement of this manual.

Special gratitude is expressed to Dr. Nazeer Ahmed, Hon’ble Vice Chancellor, SKUAST-K, for his able guidance and encouragement for preparation of this manual. The authors are also grateful to Prof. Sheikh Bilal Ahmad, Dean, Faculty of Agriculture, Wadura for his valuable suggestions during the preparation of the manual.

Srinagar, Jammu and Kashmir, India
August 2017

Latief Ahmad
Raihana Habib Kanth
Sabah Parvaze
Syed Sheraz Mahdi

Experimental Agrometeorology: A Practical Manual

Ahmad, L.; Habib Kanth, R.; Parvaze, S.; Sheraz Mahdi, S.

2017, XV, 159 p. 53 illus., 38 illus. in color., Hardcover

ISBN: 978-3-319-69184-8