



Principles of Agricultural Meteorology

B.M. Mote & D.D. Sahu

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FOREWORD

Agrometeorology is an important branch of agricultural sciences. As the growth, development and yield of plants basically depend on the weather and climate of a region and season, every agricultural scientist should have knowledge of the basic principles of agricultural meteorology. Many books on meteorology and agrometeorology are available, but most of them are written by foreign author's with reference to their own countries. The syllabus of any subject is being revised from time to time to include modern concepts and technologies. Accordingly, the text books have to be devised to facilitate the students to get all contents in one book.

Prof. B.M. Mote and Dr. D.D. Sahu have made a sincere attempt to publish this book on Agricultural Meteorology that will be useful for undergraduate and post-graduate students in agriculture and allied sciences. I compliment their efforts and congratulate them for bringing out this book for the teachers and students interested in the subject of Agricultural Meteorology.



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Agrometeorology is an applied meteorological science with interdisciplinary approach and multidisciplinary characteristics. The syllabus of the subject at the undergraduate level covers the aspects of meteorology and its applications in the field of agriculture. The course curriculum is designed by the Indian Council of Agricultural Research (ICAR) from time to time and is followed in all the State Agricultural Universities for the graduate students of Agriculture, Horticulture, Forestry, Fishery, Animal Husbandry etc.

The text book “Principles of Agricultural Meteorology” contains 24 chapters, collected and compiled in accordance with the syllabus. Such type of publication is needed for the students, for their reference and reading from the examination point of view.

The book contains the information from the basics of meteorology to the applications of agrometeorology, including chapters on remote sensing, global warming and climate change. ‘Weather Forecasting’ and ‘Agromet Advisory Services’, the popular areas of agrometeorology, are also included in this book. A separate chapter on measurement of meteorological parameters is also given to cover the practical aspects of the subject.

We thank all the authors and publishers of various books, journals, reports that have been referred during the preparation of this book. We hope that this book will be a valuable guide to the students, teachers and scientists in the field of agricultural meteorology. We welcome all the readers to give their valuable

suggestions for improving the quality of this book (amarmote4141@gmail.com).

We express our deep sense of gratitude to our teachers and colleagues for their blessings and support during the preparation of this book.

B.M. Mote
Dr. D.D. Sahu

CONTENTS

1.	Meteorology	1-31
1.1.	Meaning and definition	1
1.2.	Scope and importance	2
1.3.	Atmosphere	3
1.4.	Agroclimatic regions of India	25
2.	Agricultural Meteorology	32-41
2.1.	Definitions of agro-meteorology	32
2.2.	Scope and importance of agricultural meteorology	32
2.3.	Relationship of agro-meteorology with other branches of science	33
2.4.	Effects of weather parameters on crop growth, development and yield	34
3.	Solar Radiation	42-55
3.1.	Introduction	42
3.2.	Processes of heat transfer	43
3.3.	Factors affecting solar radiation	43
3.4.	Factors affecting radiation profile	44
3.5.	Radiation balance	45
3.6.	Instruments for measuring solar radiation	46
3.7.	Net radiation	46

3.8.	Energy balance/ heat budget	47
3.9.	Laws of radiation	49
3.10.	Radiation balance in the Earth–Atmosphere system	51
3.11.	Global energy system	52
3.12.	Greenhouse effects	53
4.	Air Temperature	56-60
4.1.	Units of temperature	56
4.2.	Factors affecting air temperature	57
4.3.	Temperature variation	59
5.	Wind and Pressure	61-74
5.1.	Atmospheric pressure	61
5.2.	Wind	64
5.3.	General air circulation in the atmosphere	67
5.4.	Pressure belts	68
5.5.	Classification of wind movement	69
6.	Condensation	75-82
6.1.	Introduction	75
6.2.	Necessary conditions for condensation	75
6.3.	Forms of condensation	76
6.4.	Cloud formation	78
6.5.	WMO cloud classification	79
6.6.	Cloud observation	80
6.7.	Humidity	80
7.	Precipitation	83-88
7.1.	Introduction	83
7.2.	Three states of water	83
7.3.	Forms of precipitation	84
7.4.	Processes and mechanism of precipitation formation	84
7.5.	Hydrological cycle	87

8.	Indian Monsoon	89-94
8.1.	Introduction	89
8.2.	South–West monsoon	90
8.3.	North-East monsoon (winter monsoon)	92
9.	Drought	95-98
9.1.	Introduction	95
9.2.	Drought	95
9.3.	Types of drought	96
9.4.	Types of agricultural drought	97
9.5.	Agricultural practices to be taken under drought conditions	98
10.	Weather Forecasting and Agromet Advisory Services	99-102
10.1.	Introduction	99
10.2.	Observational network	99
10.3.	Types of weather forecast	100
10.4.	Methods of weather forecasting	101
10.5.	Importance of weather forecasting	101
10.6.	Agromet advisory services	102
11.	Micrometeorology	103-109
11.1.	Definitions	103
11.2.	Microclimatology	104
11.3.	Micrometeorological studies	106
11.4.	Artificial modification of microclimate	106
12.	Remote Sensing	110-116
12.1.	Introduction	110
12.2.	Types of remote sensing	110
12.3.	Importance of remote sensing	111
12.4.	Applications of remote sensing	111
12.5.	Advantages of remote sensing	113

12.6.	Disadvantages of remote sensing	113
12.7.	Methods of identification of objects	114
13.	Crop Modelling	117-123
13.1.	Introduction	117
13.2.	Significance of crop modelling	117
13.3.	Uses of crop growth models in agricultural meteorology	121
13.4.	Types of models	122
14.	Global Warming and Climate Change	124-130
14.1.	Introduction	124
14.2.	Effect of global climate change on agriculture	125
14.3.	Causes of climate change	128
14.4.	Adaptation or mitigation action	129
15.	Agrometeorological Observatory	131-136
15.1.	Introduction	131
15.2.	Types or classes of meteorological observatories	131
15.3.	Selection of site for agrometeorological observatory	132
15.4.	Exercise	134
15.5.	Meteorological elements, their units and instruments	135
16.	Measurement of Air and Soil Temperature	137-142
16.1.	Introduction	137
16.2.	Aim	137
16.3.	Description of the instruments	137
16.4.	Formula to convert temperature	140
16.5.	Precautions	141
16.6.	Calculations of mean temperatures	141
16.7.	Hour of observation	142
17.	Measurement of Rainfall	143-145
17.1.	Aim	143
17.2.	Description of the instruments	143

17.3.	Installation	144
17.4.	Exposure	144
17.5.	Measurement of rainfall	144
17.6.	Self-recording rain gauge	144
17.7.	Intensity of rainfall spell	145
18.	Measurement of Evaporation Rate	146-149
18.1.	Aim	146
18.2.	Units	146
18.3.	Pan evaporimeter	147
18.4.	Procedure	148
18.5.	Observations to be recorded	148
18.6.	Installation	149
18.7.	Time of observation	149
19.	Measurement of Wind	150-153
19.1.	Introduction	150
19.2.	Aim	150
19.3.	Instruments required	150
19.4.	Measurement of wind direction	150
19.5.	Units	151
19.6.	Observation	151
19.7.	Measurement of wind speed	151
19.8.	Observations	152
19.9.	Installation	152
19.10.	Care and maintenance	152
19.11.	Units	153
20.	Measurement of Bright Sunshine Hours and Radiation	154-158
20.1.	Introduction	154
20.2.	Instruments	154
20.3.	Procedure	155
20.4.	Measurement of sunshine	155

20.5.	Installation	156
20.6.	Precautions	156
20.7.	Radiation instruments	157
20.8.	Units of measurement	157
20.9.	Precautions	157
21.	Measurement of Atmospheric Pressure	159-161
21.1.	Introduction	159
21.3.	Working principle	159
21.4.	Other instruments	159
22.	Measurement of Relative Humidity	162-166
22.1.	Introduction	162
22.2.	Objectives	162
22.3.	Psychrometer	162
22.4.	Different measures of humidity parameters	162
22.5.	Description of Dry-bulb and Wet-bulb thermometers	163
22.6.	Relative humidity	164
22.7.	Hygrograph	165
22.8.	Micro-Climatic Pole (MCP)	165
22.9.	Artificial ventilated psychrometer	165
22.10.	Hour of observation	166
23.	Study of Automatic Weather Station	167-170
23.1.	Introduction	167
23.2.	Working principle of automatic weather station	167
23.3.	Precautions	169
24.	Preparation of Synoptic Charts	171-175
24.1.	Meaning of synoptic charts	171
24.2.	Synoptic codes	172
	Selected References	176
	Objective Questions	177-197