CONTENTS

Page

Preface .......... 1
List of Maps .......... ix
List of Tables .......... xii
List of Appendices .......... xvii
Introduction .......... xix

PART I

CHAPTER

I Structure and Relief .......... 1
II Climate .......... 29
III Soils .......... 64

PART II

IV The Concept of Agricultural Productivity .......... 85
V Approaches to the Measurement of Agricultural Productivity .......... 93
VI Perspectives on Agriculture in Uttar Pradesh .......... 114
   A. The Problem of Wastelands .......... 114
   B. Ground Water Resources .......... 117
   C. Size and Number of Holdings .......... 124
   D. Intensive Cultivation Programmes .......... 129
   E. Land Use Profile .......... 134
   F. Cropping Pattern and Crop Production .......... 137
VII Food Crop Productivity Regions in Uttar Pradesh

A. Regional Differences in Food Crop Productivity—Based on Crop Yield Index

B. Regional Differences in Food Crop Productivity—Based on Standard Nutrition Unit

C. Regional Differences in Food Crop Productivity Based on Output per Hectare

D. Regional Differences in Food Crop Productivity Based on Output per Worker

PART III

VIII Water Use and Irrigation

A. Sources of Irrigation

B. Food Crops Area Under Irrigation

II. Resource Use in the State Agriculture

A. High-Yielding Varieties Programme

B. Distribution and Consumption Levels of Fertilizer

C. Farm Implements and Machinery in Use

D. Agricultural Credit

X Determinants of Crop Productivity

A. Nature of Variables

B. Factor Analysis

C. Choice of a Function

Conclusion and Suggestions

Bibliography