

## CONTENT

	Page
1. Factors Affecting Plant Growth	1
2. Nitrogen and Mineral Requirements of Crops	13
3. Water Requirements of Plants	25
4. Origin and Classification of soils	38
5. Chemical Composition of Soils	51
6. Some Biological Processes in Soils	64
7. Some Physical Properties of Soils	79
8. Soil Water	93
9. Soil Air	107
10. Soil Solutions	121
11. Control of Soil Water	135
12. Plowing and Cultivating	152
13. Organic Matter	165
14. Soil Conservation	181
15. Animal Agriculture	196
16. Nitrogen Resources	212
17. Phosphorus Resources	230
18. Potassium Resources	249
19. Calcium Resources	265
20. Magnesium Resources	282
21. Sodium Resources	296
22. Sulfur Resources	309
23. Trace Elements	321
24. Mixed Fertilizers	340
25. Selection and use of Fertilizers	352
26. Yield Potentialities of Crop Plants	367
27. Miscellaneous Topics	382
Index	407