

## CONTENT

	Page
Preface	ix
1. Introduction	1
2. Chemical Aspects of Some Bioregulators	9
3. Laboratory and Field Evaluation of Bioregulators	23
4. Plant Bioregulators in Cereal Crops : Action and Use	29
5. Tetcyclacis ; A New Bioregulator for Improving the Development of Young Rice Plants	45
6. Chemical Manipulation of Soybean ( <i>Glycin max L.</i> ) Oil Quality	65
7. Trigonelline and Promotion of Cell Arrest in G2 of Various Legumes	75
8. Properties of Peanuts ( <i>Arachis hypogaea L.</i> ) from Bioregulator-Treated Plants	83
9. Use of Bioregulators to Control Vegetative Growth of Fruit Trees and Improve Fruiting Efficiency	93
10. Sucrose Increases with Bioregulators	101
11. Plant Growth Regulator Uses on Citrus	113
12. [ <sup>14</sup> C]Abscisic Acid Transport and Metabolism in Source and Sink Tissues of <i>Beta Vulgaris</i>	127
13. Effects of Bioregulators on Growth and Toxin Formation in Fungi	141
14. Biologically Active Natural Products from Fungi : Templates for Tomorrow's Pesticides	153
15. Effect of 1,1-Dimethylpiperidinium Chloride on the Pests and Allelochemicals of Cotton and Pecan	171
16. Bioregulation of Host Plant Resistant to Insects	193
17. Effects of 1,1-Dimethylpiperidinium Chloride on Growth and Water Relations of Cotton in a Semiarid Environment	205
18. Use of Leaf Optical Properties in Plant Stress Research	215
19. Chemical Modification of Plant Response to Temperature Extremes	235
20. Bioregulators and Rubber Synthesis in the Guayule Plant	245
21. Induction of Phytoalexin Synthesis in Plants Following Microbial Infection or Treatment with Elicitors	257
Author Index	275
Subject Index	275