

1. Record Nr.	UNINA9910876541003321
Titolo	Horticultural reviews . Volume 15 // edited by Jules Janick
Pubbl/distr/stampa	New York, : J. Wiley & Sons, Inc., 1993
ISBN	1-282-68637-2 9786612686375 0-470-65054-0 0-470-65053-2
Descrizione fisica	1 online resource (487 p.)
Collana	Horticultural reviews, , 0163-7851 ; ; v.15
Altri autori (Persone)	JanickJules <1931->
Disciplina	635 635/.05
Soggetti	Plant breeding
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	HORTICULTURAL REVIEWS: VOLUME 15; Contents; Contributors; Dedication: James Cummins; 1: North American Botanic Gardens; I. INTRODUCTION; II. CURRENT STATUS; III. FUTURE DIRECTIONS; LITERATURE CITED; 2: Approaches to Reduce Chilling Injury of Fruits and Vegetables; I. INTRODUCTION; II. TEMPERATURE CONDITIONING; III. INTERMITTENT WARMING; IV. CONTROLLED ATMOSPHERES; V. PLANT GROWTH REGULATORS; VI. OTHER CHEMICALS; VII. PACKAGING; VIII. WAXING AND OTHER COATINGS; IX. CONCLUDING REMARKS; LITERATURE CITED; 3: Bloom Delay in Deciduous Fruits; I. INTRODUCTION II. SELECTION OF LATE-BLOOMING CULTIVARS III. BIOREGULATORS THAT DELAY BLOOM; IV. TEMPERATURE CONTROL TO DELAY BLOSSOMING; V. MISCELLANEOUS EFFECTS ON BLOOM DELAY; VI. CONCLUSIONS; LITERATURE CITED; 4: Anatomical, Physiological, and Hormonal Aspects of Abscission in Citrus; I. INTRODUCTION; II. THE ANATOMY OF ABSCISSION; III. IN VITRO ABSCISSION; IV. HORMONAL CONTROL OF CELLULASE AND POLYGALACTURONASE (PG) ACTIVITY IN THE ABSCISSION PROCESS; V. CHEMICALS THAT PROMOTE ABSCISSION; VI. AUXIN AND ETHYLENE-INDUCED ABSCISSION; VII. CONCLUDING REMARKS; LITERATURE CITED; 5: Graft Incompatibility

I. INTRODUCTIONII. DEFINITIONS AND SYMPTOMS; III. TYPES; IV. MECHANISMS; V. PREDICTION; VI. FUTURE RESEARCH NEEDS; LITERATURE CITED; 6: Gravitropism: Changing Ideas; I. INTRODUCTION; II. PERCEPTION: THE STARCH-STATOLITH CONCEPT; III. PERCEPTION: ELECTRICAL FIELDS, CURRENTS, AND POTENTIALS; IV. TRANSDUCTION: IS AUXIN THE ONLY HORMONE INVOLVED?; V. TRANSDUCTION: IS AUXIN TRANSPORT ESSENTIAL?; VI. TRANSDUCTION: DOES SENSITIVITY TO AUXIN CHANGE?; VII. RESPONSE: TWO INTERESTING PARADOXES; VIII. SOME CONCLUSIONS; LITERATURE CITED; 7: Environmental, Chemical, and Genetic Control of Flowering  
I. INTRODUCTIONII. FLORAL INITIATION; III. FLOWER MORPHOGENESIS; IV. FLOWER DEVELOPMENT; V.CONCLUSIONS; LITERATURE CITED; 8: Whole Plant Senescence: Reproduction and Nutrient Partitioning; I. INTRODUCTION; II. HISTORICAL BACKGROUND; III. SOURCE-SINK RELATIONSHIPS; IV. MINERAL NUTRIENTS; V. PLANT HORMONES; VI. A SENESCENCE FACTOR FROM FRUITS?; VII. CARBOHYDRATE PARTITIONING DURING REPRODUCTIVE DEVELOPMENT IN PEA; VIII. PHOTOASSIMILATE PARTITIONING AND SENESCENCE IN SPINACH PLANTS; IX. SENESCENCE IN THE ABSENCE OF FLOWERS; X. CONCLUSION; LITERATURE CITED  
9: Potential Benefits and Risks of Herbicide-Resistant Crops Produced by BiotechnologyI. INTRODUCTION; II. THE TECHNOLOGY; III. ENVIRONMENTAL AND ECONOMIC CONCERNS; IV. SUMMARY-LONG- AND SHORT-RANGE PROSPECTS; LITERATURE CITED; 10: Limiting Factors, High Yields, and Law of the Maximum; I. INTRODUCTION; II. IMPROVING YIELDS; III. STRESSES AND YIELD; IV. LAW OF THE MAXIMUM; V. CONCLUSIONS AND RAMIFICATIONS; LITERATURE CITED; Subject Index; Cumulative Subject Index; Cumulative Contributor Index

---

Sommario/riassunto

Horticultural Reviews presents state-of-the-art reviews on topics in horticultural science and technology covering both basic and applied research. Topics covered include the horticulture of fruits, vegetables, nut crops, and ornamentals. These review articles, written by world authorities, bridge the gap between the specialized researcher and the broader community of horticultural scientists and teachers.

---