1. Record Nr. UNINA9910770266303321

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Titolo	Towards Unmanned Apple Orchard Production Cycle : Recent New Technologies / / edited by Zhao Zhang, Xufeng Wang
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2023
ISBN	9789819961245 9819961246
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (241 pages)
Collana	Smart Agriculture, , 2731-3484 ; ; 6
Altri autori (Persone)	WangXufeng
Disciplina	634.11
Soggetti	Robotics Automation Agronomy Robotic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Developments of the Automated Apple Equipment in the Orchard: A Comprehensive Review -- Apple Bagging Technology Review and Design of a New End-effector for Bagging Robot -- APPLE'S IN-FIELD GRADING AND SORTING TECHNOLOGY: A REVIEW -- A Review of Apple Bagging Technology and Commercial Products on the market -- Sensing and automation technologies applied in pollination -- An investigation into apple tree pruning and an automatic pruning manipulator -- Apple Harvesting Robotics Review -- Research advance on vision system of apple picking robot -- UAV-Based Apple Flowers Pollination System.
Sommario/riassunto	The book provides the most recent technology for sensing and automation in apple production cycle in terms of bagging robotics, flower pollination robotics, pruning robotics, and harvest robotics. It does not only summarize the development of technology progress, but also discuss the future trend for unmanned apple production cycle. Though apple production still mainly relies on manual labor, a huge number of innovative technologies emerge during the past years, which pave the road for unmanned apple orchard management. A book summarizing all these new and innovative technologies is needed, to

provide an easy approach to understand this field quickly and comprehensively, which drives the publication of this book. This book is a useful reference for students, researchers, and practitioners in the field of apple production.