

1. Record Nr.	UNINA9910311938803321
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Titolo	Satellite Farming : An Information and Technology Based Agriculture / / by Latief Ahmad, Syed Sheraz Mahdi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-030-03448-8
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XVII, 190 p. 76 illus., 52 illus. in color.)
Disciplina	630 631
Soggetti	Agriculture Sustainability Environmental management Soil science Environmental health Environmental Management Soil Science Environmental Health
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	General Introduction -- Introduction to Precision Agriculture -- Components of Precision Agriculture -- Tool and Technologies in Precision Agriculture -- Precision Soil Sampling -- Variable Rate Technology and Variable Rate Application -- Precision Tillage -- Laser Land Leveler -- Site-Specific Nutrient Management -- Precision Water Management -- Precision Pest Management -- Recent Advances in Precision Agriculture -- Yield Monitoring and Mapping -- Feasibility of Precision Farming in India -- Economic and Environmental Evaluation of Precision Farming -- Crop Simulation Modelling. .
Sommario/riassunto	This book focuses on the recent advances in precision agriculture and satellite farming, detailing applications for sensing, data handling, modeling, and control. In addition, the book reviews its history - establishing the background on the various processes and applications – describes the current status, and offers insight into the future

technology of satellite farming in India. Introducing processes and applications based on a global scale, the book reveals how precision agriculture can be used in large-scale agriculture, community agriculture, and diversified farming. It includes site-specific information from a variety of information sources for planning, planting, growing, and harvesting agricultural crops. It also presents a new concept based on the control system theory that can be used to formulate systematic methods for more effective precision crop production. Precision agriculture when properly integrated into the crop production process, can greatly improve overall production and sustainability. .
