

1. Record Nr.	UNINA9910144255803321
Titolo	Precision agriculture : spatial and temporal variability of environmental quality
Pubbl/distr/stampa	Chichester, [England] : , : John Wiley & Sons, , 1997 ©1997
ISBN	1-282-12248-7 9786612122484 0-470-51541-4 0-470-51542-2
Descrizione fisica	1 online resource (258 p.)
Collana	Ciba Foundation Symposium ; ; 210
Altri autori (Persone)	LakeJ. V BockGregory GoodeJamie
Disciplina	631 631.58
Soggetti	Precision farming Electronic books.
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	PRECISION AGRICULTURE: SPATIAL AND TEMPORAL VARIABILITY OF ENVIRONMENTAL QUALITY; Contents; Participants; Chairman's introduction; Precision agriculture: introduction to the spatial and temporal variability of environmental quality; Spatial variability of soil moisture regimes at different scales: implications in the context of precision agriculture; Modelling non-stationary spatial covariance structure from space-time monitoring data; Ecological constraints on the ability of precision agriculture to improve the environmental performance of agricultural production systems General discussion IPredicting wheat yields: the search for valid and precise models; Geostatistics, remote sensing and precision farming; General discussion I1; Variability and uncertainty in spatial, temporal and spatiotemporal cropl-yield and related data; Spatial sampling; GIS support for precision agriculture: problems and possibilities; Modelling for precision weed management; General discussion I11; Optimal

mapping of site-specific multivariate soil properties; Uncertainty in hydrogeological modelling; General reflections; Summary; Index of contributors; Subject index

---

**Sommario/riassunto**

This book investigates new agricultural systems such as organic and green manuring, as well as integrated pest management practices, and looks at how they can improve farm productivity against the enhancements for the environment. Much of the information presented focuses on microinvestigation of the soil, and on the effects of soil variability within fields on yields and nutrient flows.

---