

1. Record Nr.	UNISA996213210203316
Titolo	Principles and practice [[electronic resource] /] / edited by Peter Golob, Graham Farrell and John E. Orchard
Pubbl/distr/stampa	Oxford, UK ; ; Malden, MA, : Blackwell Science, 2002-
ISBN	1-280-74776-5 9786610747764 0-470-70894-8 1-4051-2334-6 0-470-75101-0 1-4051-7210-X
Descrizione fisica	1 online resource (582 p.)
Collana	Crop post-harvest: science and technology ; ; 1
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Disciplina	631.56
Soggetti	Crops - Postharvest technology Agricultural processing
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 index.
Nota di contenuto	Crop Post-Harvest: Science and Technology; Contents; Contributors; Foreword; Preface; 1 Post-Harvest Systems in Agriculture; 2 Biology of Plant Commodities; 3 Physical Factors in Post-Harvest Quality; Properties of stored products; The principal physical factors; Water; Measurement of physical factors; Moisture content; 4 Biological Factors in Post-Harvest Quality; Post-harvest pests and the damage they cause; Pests of durable crops - insects and arachnids; Pests of durable crops - vertebrates; Pests of durable crops - moulds; Diseases and pests of perishable crops 5 Technology and Management of StorageStorage losses; Storage structures; Storage of horticultural produce; Selection of stores for durable commodities; Small-scale farm storage in the developing world; Transit or trader storage; Medium and large-scale storage; Storage management; 6 Pest Management; Safety; Insect control; Inert dusts; Botanicals; Rodent control; Bird control; Moulds and bacteria;

Approaches to pest management in stored grain; 7 Remedial Treatments in Pest Management; Fumigation; Radiation disinfestation; Other methods of disinfestation and protection
8 Food Processing and Preservation Food preservation; Packaging; Flour; Oilseeds, oils and fats; Weaning foods; Animal feeds; 9 Food Systems; Access to food; Credit and storage; The case for food security reserves; Market access; Seed security; Food aid; 10 Applied Research and Dissemination; Extension methods and technology transfer in less developed countries; Farmer participation in assessing post-harvest needs; A methodological framework for combining quantitative and qualitative survey methods; Monitoring investment and the evaluation of impact
The impact of post-harvest research on household food security
11 Trade and International Agreements; The WTO and other international and regional organisations; International commodity agreements; Trade associations; Commercial practices; Ethical trade; Phytosanitary agreements, requirements and standards; Food safety and HACCP; Glossary; Appendix 1: Some Important Post-harvest Pests; Appendix 2: Some Important Post-harvest Pathogens; Appendix 3: Some Plants of Post-harvest Concern; Index; Colour Plates

Sommario/riassunto

World-wide losses of crops, post-harvest, through microbial action, pests, diseases and other types of spoilage amount to millions of tons every year. This essential handbook is the first in a three-volume series which covers all factors affecting post-harvest quality of all major fruits, vegetables, cereals and other crops. Compiled by members of the world-renowned Natural Resources Institute at the University of Greenwich, Chatham, UK, the comprehensive contents of this landmark publication encourage interactions between each sector of the agricultural community in order to improve food secu
