

1. Record Nr.	UNINA9910446342803321
Titolo	Heat treatments for postharvest pest control : theory and practice // edited by Juming Tang ... [et al.]
Pubbl/distr/stampa	Wallingford, Oxfordshire, UK ; ; Cambridge, MA, : CABI Pub., 2007
ISBN	1-280-95303-9 9786610953035 1-84593-253-6
Edizione	[1st ed.]
Descrizione fisica	1 online resource (363 p.)
Altri autori (Persone)	TangJuming <1959->
Disciplina	631.5/68
Soggetti	Insect pests - Control Insect pests - Effect of temperature on Food storage pests - Control
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	Contents; Preface; Contributors; Reviewers; 1 Introduction; 2 Fundamental Heat Transfer Theory for Thermal Treatments; 3 Temperature Measurement; 4 Physiological Responses of Agricultural Commodities to Heat Treatments; 5 Experimental and Simulation Methods of Insect Thermal Death Kinetics; 6 Biology and Thermal Death Kinetics of Selected Insects; 7 Thermal Control of Fungi in the Reduction of Postharvest Decay; 8 Disinfestation of Stored Products and Associated Structures Using Heat; 9 Considerations for Phytosanitary Heat Treatment Research; 10 Heat with Controlled Atmospheres 11 The Influence of Heat Shock Proteins on Insect Pests and Fruits in Thermal Treatments12 Thermal Treatment Protocol Development and Scale-up; 13 Commercial Quarantine Heat Treatments; Index
Sommario/riassunto	Due to the nature of agricultural commodities as carriers of exotic pests, importing countries have employed varying methods of pest control for postharvest products. Thermal treatments are emerging as effective alternatives to traditional methods. This book provides information of these increasingly important treatments.