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Altri autori (Persone)	SiddiqMuhammad <1957-> AleidSalah M KaderAdel A
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Date fruit; Fruit growth and development

Pollination; Fruit set and thinning; Fruit growth/maturity stages; Factors affecting fruit development and ripening; Bagging of fruit bunches; Compositional changes during fruit growth and maturity; Maturity and harvesting indices; Postharvest physiology of dates; Fruit quality disorders; Conclusions; References; 4 Insect Pests of Stored Dates and Their Management; Introduction; Storage of dates; Damage of stored dates due to insect infestation; Major insect pests attacking stored dates; Almond moth [*Ephesia cautella* (Walker)]; Raisin moth [*Ephesia figulilella* (Gregson)]

Sap beetles (nitidulids); Indian meal worm [*Plodia interpunctella* (Hubn)]; Carob moth [*Ectomyelois ceratoniae* (Zeller)]; Saw-toothed grain beetle [*Oryzaephilus surinamensis* (L.)]; Insect development in date storage facilities; Sampling detection of insects in stored dates; Insect management during dates storage; Fumigation of dates in storehouses; Modified atmosphere (MA); Biological control of stored-dates pests; Microwave energy to control postharvest date pests; Irradiation treatment; Ozonation (ozone treatment); Conclusion; References; 5 Harvesting and Postharvest Technology of Dates

Introduction; Fruit development; Harvesting; Artificial ripening; Drying (dehydration); Hydration; Preparation for market: postharvest operations; Transportation to the packinghouse; Quick initial sorting; Cleaning; Drying; Sorting; Sizing/grading; Metal detection; Surface coatings; Packaging; Cooling; Storage conditions; Responses to controlled atmospheres; Physical and physiological disorders; Pathological disorders; Disease control strategies; Insect pests and their control; Insect pests; Control methods; Processing; Food safety considerations; Conclusions; References

6 Packaging Technologies for Dates and Date Products

Sommario/riassunto

Dates are an important fruit, especially in many African, Middle-Eastern and Asian countries. In recent years this fruit has gained significant importance in terms of global commerce. During the period 1990-2009, global production of dates saw an increase of 219% and this trend is expected to continue as per FAO projections. Some of the major challenges confronting date fruit production and commerce are issues related to postharvest handling technologies, use of appropriate processing and packaging technologies, food safety aspects and quality assurance. This book provides contemporar
