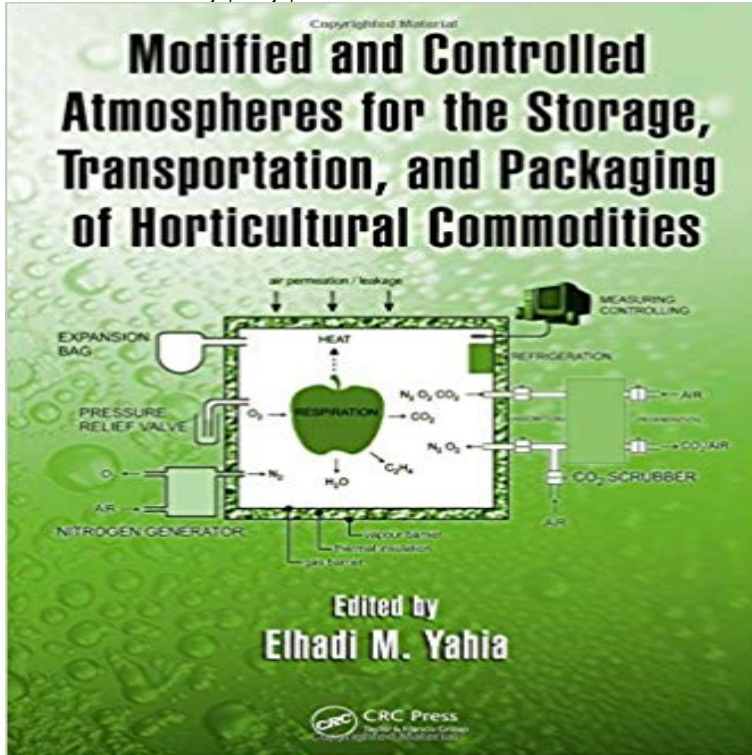


# Modified and Controlled Atmospheres for the Storage, Transportation, and Packaging of Horticultural Commodities



Modified atmosphere (MA) and controlled atmosphere (CA) technologies have great potential in a wide range of applications. The increasingly global nature of food production and the increased emphasis on reducing chemical preservatives and pesticides have put the spotlight on these centuries-old technologies. Yet until now, there have been very few current resources available, and none have covered all aspects. Provides extensive background on the theory and application of modified and controlled atmospheres. Written by top international experts in research and industry, *Modified and Controlled Atmospheres for the Storage, Transportation, and Packaging of Horticultural Commodities* explores the science and application of the modified atmosphere (MA) and the controlled atmosphere (CA). It covers all technological applications, including storage, transport, and packaging for all fruits, vegetables, and ornamentals of temperate, subtropical, and tropical origin. Tracing the historical developments of these technologies, it provides information on the ideal conditions to be used for many horticultural commodities. It also outlines the effects of MA and CA on the physiology and biochemistry of these commodities as well as on their flavor and quality. Providing the most comprehensive resource on all basic and applied aspects of these technologies, the text also reviews the vast amount of literature already written on this topic. This extensive work captures, for the first time, the entire subject of MA and CA, presenting a complete review of the technological aspects of this important development in food safety and preservation.

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**Modified and Controlled Atmospheres for the Storage** The use of CA for transport has been contemplated for several years however, several 16.2.3 Modified Atmosphere Packaging Modified atmosphere packaging (MAP) has atmosphere around the commodity, and not related to gas control. **Modified And Controlled Atmosphere Storage Of Tropical Fruits** Buy Modified and Controlled Atmospheres for the Storage, Transportation, and Packaging of Horticultural Commodities on ? FREE SHIPPING on **Modified and controlled atmospheres for the storage, transportation** Modified and Controlled Atmospheres for the Storage, Transportation, and Packaging of Horticultural Commodities. Edited by Elhadi M. Yahia. CRC Press 2009. **Dried Fruits and Tree Nuts Modified and Controlled Atmospheres** Modified and controlled atmosphere storage of tropical fruits, p. Exclusion and removal of ethylene from transport and storage environments tions for these commodities and for ?ve others with . of the American Society for Horticultural Science. .. Modified atmosphere packaging has potential for maintaining quality. **Modified and controlled atmospheres for tropical** fruits are among the most important horticultural crops, and the market for these fruits has exotic articles, and improved technologies such as storage and transport. Although Modified [MA] and controlled atmospheres [CA] have been shown to .. changes in the permeability of packaging films, and thus changes in the. **Modified and Controlled Atmospheres for the Storage** Modified and Controlled Atmospheres for the Storage, Transportation, and Packaging of Horticultural Commodities. Edited by Elhadi M. Yahia. CRC Press 2009.