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Postharvest Oxidative Stress in Horticultural Crops

By D. Mark Hodges, D. Mark Hodges

Taylor & Francis Ltd. Hardback. Book Condition: new. BRAND NEW, Postharvest Oxidative Stress in Horticultural Crops, D. Mark Hodges, D. Mark Hodges, Learn how oxidative stress affects fresh fruits and vegetables--and how to inhibit this process! This vital book brings together internationally respected authorities who share their experiences, insights, and approaches to postharvest oxidative stress. It examines the factors that induce oxidative stress and the processes by which oxidative stress affects the quality, shelf life, and nutritional value of fruits and vegetables after harvest. Postharvest Oxidative Stress in Horticultural Crops also explores regulation of oxygen species production and the function of antioxidants, and examines technologies that can enhance the resistance of fruits and vegetables to oxidative stress. With Postharvest Oxidative Stress in Horticultural Crops, you'll examine: * the impact of various storage temperatures and atmospheres * senescence dynamics * superficial scald and other symptoms of postharvest oxidative stress * antioxidants and their role in inhibiting oxidative stress * regulation of superoxide, hydroxyl radical, and hydrogen peroxide production * physical treatments and chemical treatments that can reduce oxidative stress * genetic engineering techniques designed to combat the tendency toward postharvest oxidative stress Essential for researchers, teachers, and advanced students in plant physiology,...



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