

Title Pre- and postharvest factors affecting nutraceutical properties of horticultural products

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Citation Stewart Postharvest Review, Volume 2, Number 2, April 2006, pp. 1-6(6)

Keyword phytochemicals; plant nutrients; bioactive plants

Abstract

Purpose of review: This manuscript examines the effect of preharvest (genotype, planting and cultural practices) as well as postharvest strategies that can be manipulated to affect the composition of horticultural products.

Recent findings: With greater access to robust bioassays and rapid screening tools, there is greater emphasis on understanding the effect of pre- and postharvest factors on the biological activity of botanical products.

Directions for future research: Significant increases in the concentration of phytochemicals and plant nutrients are certainly achievable. Research should be directed at understanding the human *in-vivo* responses to such plant composition alterations.