

Title Quality determination of red radish by nondestructive root color measurement.
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Abstract

A new approach for nondestructive quality assessment based on colour measurement was developed for red radishes (*Raphanus sativus*). Postharvest changes in hue angle corresponded with changes in soluble and insoluble pectic substances linked to textural characteristics in 'Nevadar' radishes. Changes in glucosinolates were related to changes in chroma and were associated with radish flavour. However, monosaccharides were not related to root colour during the 4 days of postharvest period. Nevertheless, the data suggest that root colour may be used as a rapid, inexpensive and reliable indicator of quality during the postharvest distribution of radish.