

The electronic form of this issue, available as of May 11, 2006, at www.plantphysiol.org, is considered the journal of record.

On the Cover: Fruit from crop species display a variety of shapes and sizes. An understanding of the molecular mechanisms underlying differences in morphology may provide insight into pathways controlling fruit development. To make comparisons within and across species, consistent measurements of shape attributes and terms for these features need to be implemented. In this issue, Brewer et al. (pp. 15–25) describe a novel software program, Tomato Analyzer, which quickly, objectively, and accurately measures fruit shape attributes in a high-throughput manner. The terms for the attributes are introduced for future incorporation into a fruit trait ontology. Although the program is named Tomato Analyzer, the application can also accurately quantify attributes such as fruit area, length, and width, as well as complex attributes such as angles, blockiness, obovoid, and triangle shape, in all fruit shown on the cover. Cover design by Marin Talbot Brewer.

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Peter V. Minorsky

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^[W] Indicates Web-only data.

^[OA] Open Access articles can be viewed online without a subscription.