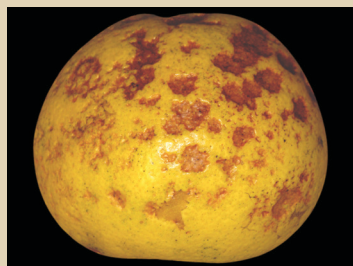


# Citrus Fruit Disorders and Physical/Chemical Injuries<sup>1</sup>

HS1290

Mark A. Ritenour, Jamie D. Burrow,  
Megan M. Dewdney, and John Zhang



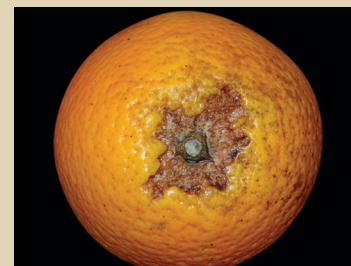
**Chilling injury**



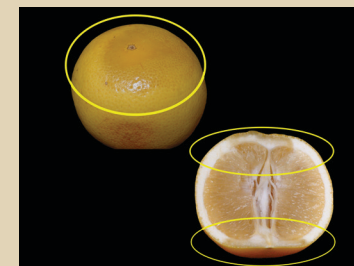
**Postharvest pitting**



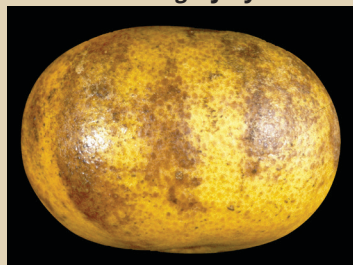
**Stem-end rind breakdown**



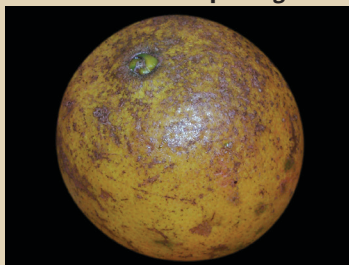
**Aging**



**Blossom-end clearing**



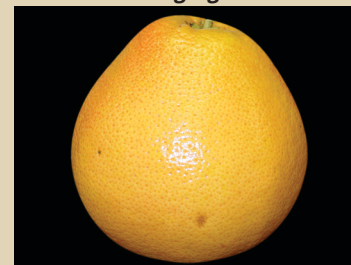
**Zebra-skin**



**Styler-end russetting**



**Granulation**



**Sheepnosing**



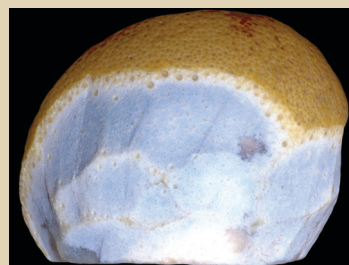
**Creasing**



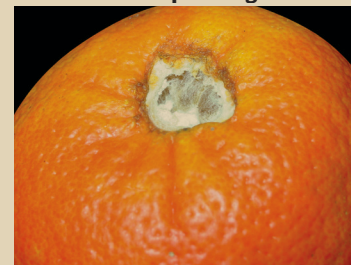
**Seed germination**



**Boron deficiency**



**Blue albedo**



**Plugging**



**Oleocellosis (Oil spotting)**



**Windscar**



**Chemical burn**



**Chalking**



**Punctures**

1. This document is HS1290, one of a series of the Horticultural Sciences Department, UF/IFAS Extension. Original publication date March 2017. Reviewed May 2020. Visit the EDIS website at <http://edis.ifas.ufl.edu>.

2. Mark A. Ritenour, professor, Horticultural Sciences Department, UF/IFAS Indian River Research and Education Center; Jamie D. Burrow, Extension program manager, UF/IFAS Citrus Research and Education Center; Megan M. Dewdney, associate professor, Plant Pathology Department, UF/IFAS Citrus Research and Education Center; and Jiuxu Zhang, research associate, UF/IFAS Indian River Research and Education Center; UF/IFAS Extension, Gainesville, FL 32611.

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