

# Storm Damaged Onions

*Allium cepa* L.



FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4

# Storm Damaged Onions

*Allium cepa* L.

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**PHOTOGRAPHS:** Courtesy of H. F. Schwartz [01/2011]

**ALLIUM TYPE:** Fresh Market and Storage Onion; protocols based on National Crop Insurance Standards; compare damaged and non-damaged portions of field or fields of the same variety, plant age

\_\_\_\_\_ Record Stage of Plant Growth (V1 to R9)

\_\_\_\_\_ Record Dates of planting, storm event(s), evaluation

\_\_\_\_\_ **ESTIMATE PLANT STAND LOSS** (NUMBER/ACRE)  
[FIG. 1]

Measure number of plants between furrows (bed width) by 10–20 ft [3–6 m] = 1/1000 Acre [Hectare] at 5 to 6 representative sites in the affected area or field

\_\_\_\_\_ **ESTIMATE DEFOLIATION** (PERCENT LOSS)  
[FIG. 2 & 3]

Estimate percent of foliage damaged (bruised) or removed by the storm activity (10–20 ft [3–6 m] x 1 bed wide at 5 to 6 sites)

\_\_\_\_\_ **ESTIMATE BULB DAMAGE** (PERCENT AFFECTED)  
[FIG. 4]

Evaluate percent of 50–100 bulbs at 5 to 6 sites for evidence of storm damage (as cuts, nicks, dents, bruises) on exposed outer 2–3 fleshy scales

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**ADDITIONAL RESOURCES AVAILABLE AT:**

<http://onion.ipmpipe.org>

<http://wiki.bugwood.org/PIPE:Onion>

<http://www.apsnet.org/> — Compendium of Onion & Garlic Diseases and Pests, 2nd Ed.