Storm Damaged Onions

Allium cepa L.
**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