

(revision date:4/30/2013)

## ***Common Cultural: Oedema***

*Use Integrated Pest Management (IPM) for successful plant problem management.*

### ***Biology***

Oedema usually appears first on the lower leaf surface as watery blisters. As they age they become brown, yellow, or rust-colored and may resemble disease symptoms. It is very common on geranium but also occurs on many types of plants, particularly those having fleshy leaves. High soil moisture, high humidity, and soil temperature warmer than air temperature favor symptom development.

### ***Management Options***

#### **Non-Chemical Management**

- ~ Do not overwater.
- ~ Keep greenhouse humidity low, by heating if necessary.
- ~ Maintain higher greenhouse temperature.

*Select non-chemical management options as your first choice!*

#### **Chemical Management**

***IMPORTANT: Visit Home and Garden Fact Sheets for more information on using pesticides***

None recommended

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*Images*



~ Caption: *Oedema on hosta*  
~ Photo by: *R.S. Byther*



~ Caption: *Oedema on geranium*  
~ Photo by: *R.S. Byther*



~ Caption: *Oedema on geranium*  
~ Photo by: *R.S. Byther*



~ Caption: *Oedema on camellia*  
~ Photo by: *B.M. Johnson*