

(revision date:6/3/2014)

## ***Cucumber, Pumpkin, Squash: Cucumber mosaic virus***

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

### ***Biology***

Cucumber mosaic is a viral disease of cucumbers, melons, squash, and other plants. It is spread primarily by aphids, but can also be transmitted by mechanical means, infected seed, and by cucumber beetles. The early symptoms may be limited to downward leaf curling, yellow and green mosaic patterns on leaves, and reduced leaf size. Other typical symptoms include plant stunting, leaves that are yellow, mottled, and wrinkled, and deformed plant parts. Fruit produced by affected plants may have warty bumps and blotchy coloration. These fruit are usually bitter in flavor. This virus has a very wide host range, including many vegetables, ornamental flowers, woody plants, and weeds. Other viruses, such as Zucchini Yellows Mosaic Virus and Watermelon Mosaic Virus, can also cause mosaic symptoms in squash.

### ***Management Options***

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

- ~ Plant resistant or tolerant varieties. 'Niagara' cucumber is resistant, while the cucumber varieties 'Burpee', 'Dasher II', 'Gemini', 'Marketmore', 'Multipik', 'Pioneer', and 'Surecrop', among others, are tolerant. The pickling cucumber 'Pioneer' has high tolerance.
- ~ Control aphids and cucumber beetles.
- ~ Control weed hosts such as wild cucumber, milkweed, and others in and around the garden.
- ~ Remove and destroy infected plants.

*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