



Cucumber Green Mottle Mosaic Virus (CGMMV) SYMPTOMS AND DAMAGE

The hosts of CGMMV include cucumber, bottle gourd, melons, pumpkin, squash, watermelon, zucchini and other species. In 2014, discovery of CGMMV in Katherine prompted a biosecurity emergency response focused on eradication. Since this time, CGMMV was detected in Queensland in April 2015 and in Western Australia in July 2016. Nationally, it is accepted that CGMMV is endemic in NT and WA and still under quarantine in QLD.

Symptoms can vary between plant species and sometimes can be difficult to diagnose without laboratory testing. The most common symptoms can be observed on the leaves or fruit.

Symptoms on leaves

- Mottling and mosaic
- Blistering or bubbling
- Vein clearing
- Leaf distortion

Symptoms on fruit

- Often no external symptoms
- Spotted and distorted
- Internally discoloured and rotting
- Uneven ripening



Fruit with yellow patches in flesh.
(most extreme case observed)



Rotten/mushy flesh.



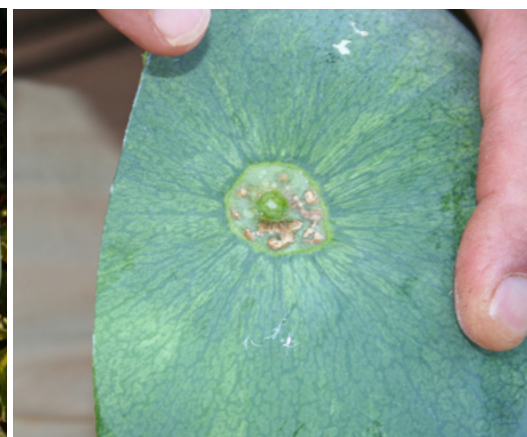
Fruit with internal breakdown and cavities.
Note the patch of rotten/mushy flesh, whilst the rest of the flesh is still relatively normal.



Leaf mottling.
Photo taken overseas © Monsanto



Fruit with necrotic patches on stalk.



Necrotic area on fruit peduncle.

This project has been funded by Horticulture Innovation Australia Limited using the research and development Australian vegetable levy and funds from the Australian Government.

