

Weed hosts of Cucumber Green Mottle Mosaic Virus

Cucumber green mottle mosaic virus (CGMMV) is a plant disease that is found in cucurbits (e.g. watermelon, cucumber and pumpkin) and a number of common weed species.

A number of weeds and grasses have been identified as hosts of CGMMV following diagnostic surveys between 2015 and 2017. Weeds common to cucurbit growing areas have been opportunistically collected close to previously infested properties and tested for the virus. These surveys have detected the virus in weeds and grasses not tested before, indicating a potentially larger weed host range than first reported.

SUSPECTED WEED HOSTS OF CGMMV

From continued surveys conducted since the initial detections of CGMMV in the Northern Territory, a number of weeds and grasses have been identified as potential hosts. Unlike crop hosts, identified weeds and grasses are not reported to show any symptoms, making it more difficult to determine if CGMMV is present.

Weed species commonly found in cucurbit growing areas are currently being investigated further to determine if the selected weeds and grasses are true hosts of the virus and to identify if any host reactions are identifiable.

Common Name	Scientific Name
Amaranth	<i>Amaranthus viridis</i>
Black Nightshade	<i>Solanum nigrum</i>
Caltrop	<i>Tribulus terrestris</i>
Crowfoot Grass	<i>Eleusine indica</i>
Pigweed	<i>Portulaca oleracea</i>
Sabi Grass	<i>Urochloa mosambicensis</i>
Wild Gooseberry	<i>Physalis minima</i>



Amaranth

Black Nightshade

Caltrop

Pigweed

Sabi Grass

Wild Gooseberry

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