

Non-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 range of vegetable species and cover crops have been identified as non-hosts of the virus.

Research on the survival of CGMMV in soil, free from host plants and weeds, has indicated that the virus can survive for at least 12 months. With this knowledge and in consultation from Northern Territory Farmers Association, a range of vegetable species and cover crops were selected for testing to identify whether they could be hosts of CGMMV. As there are two distinct seasons in the Northern Territory (NT), dry (d) and wet (w), crops for each of the seasons were investigated. These crops included; sweetcorn (d), snake bean (d), okra (w), capsicum (d), peanuts (w) and sorghum (w). Research identified that these crops are not hosts of the virus, nor do they harbour it for further spread. This may offer an alternative crop for affected growers in the NT and nationally.

Capsicum



Okra



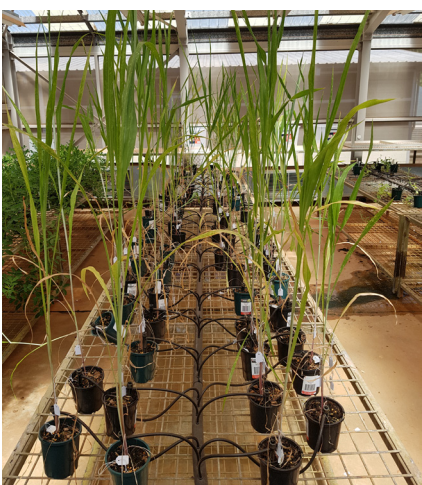
Peanuts



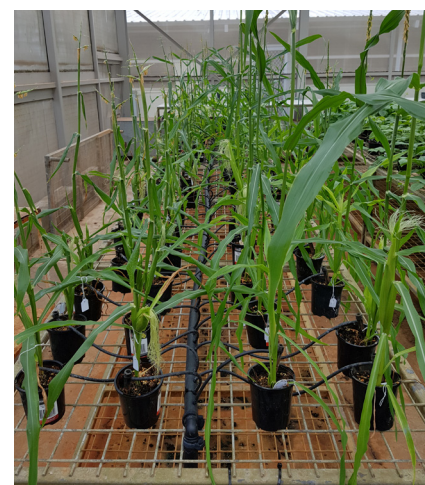
Snake bean



Sorghum



Sweetcorn



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