

Tomato mosaic virus - Ghana

Tomato mosaic virus (ToMV)

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
 Tomato mosaic virus symptoms on tomato leaf. (Source: RosalieScienceGal, Wikimedia Commons)	<ul style="list-style-type: none"> Use certified disease-free seed. Purchase seedlings from reputable sources. Inspect seedlings prior to purchase and select those with no clear symptoms of the disease. Regularly sanitize your hands with soap and water (not alcohol) and disinfect tools regularly (dipping them in milk) as the virus is mechanically transmitted. Avoid planting in fields where tomato root debris is present, as the virus can survive long-term in roots. Remove and burn all crop debris from the previous cropping before planting new ones. Rotate with non-solanaceous crops e.g. maize. 	<ul style="list-style-type: none"> Examine plants for vein lightening followed by marked mottling or mosaic yellow mottling of leaves and fruits. Look for embossing and wrinkling of the leaflets and leaves that are curved, reduced in size and deformed. Observe plants for leaf distortion (fan shape), leaf curling, veinal and leaf necrosis, wilting and defoliation. Examine fruits for internal necrosis of vascular tissues (internal browning). Check fruits for mottling and discolouration with the occasional presence of rings. 	<ul style="list-style-type: none"> Completely pull up and burn infected plants. 	<ul style="list-style-type: none"> When using a pesticide, always wear protective clothing and follow the instructions on the product label. 	
 Tomato mosaic virus on tomato plant. (Source: Mary Ann Hansen, Virginia Polytechnic Institute and State University, Bugwood.org)				<ul style="list-style-type: none"> Do not use chemicals with the same mode of action year after year as this can lead to resistance. 	
 Tomato fruit affected by ToMV. (Source: Texas A&M University Extension)				<ul style="list-style-type: none"> Always consult the most recent list of registered pesticides (PCPB). 	<ul style="list-style-type: none"> There are currently no chemical options that are effective against viruses. It is not insect-transmitted so insecticides will not help.



Ghana

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