




Tomato mosaic virus - Ghana

Tomato mosaic virus (ToMV)

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
 <p>Tomato mosaic virus symptoms on tomato leaf. (Source: RosieScienceGal, Wikimedia Commons)</p>  <p>Tomato mosaic virus on tomato plant. (Source: Mary Ann Hansen, Virginia Polytechnic Institute and State University, Bugwood.org)</p>  <p>Tomato fruit affected by ToMV. (Source: Texas A&M University Extension)</p>	<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. • Do not use chemicals with the same mode of action year after year as this can lead to resistance. • Always consult the most recent list of registered pesticides (PCPB). • 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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