



## Pacific Pests and Pathogens - Mini Fact Sheet Edition

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### Kava dieback (160)



Photo 1. Kava leaf showing yellow-green mosaic patterns and distortions typical of infection from *Cucumber mosaic virus*.



Photo 2. Kava leaf showing vein-banding symptom of *Cucumber mosaic virus* infection.



Photo 3. Kava plant with blackened stem that has collapsed at the node, typical of kava dieback caused by *Cucumber mosaic virus*.

#### Summary

- Worldwide distribution. A virus with a large host range. It is especially common in the cucumber, legume and potato families. Common on kava, banana, cantaloupe melon, capsicum, chilli, pumpkin, snake gourd, tomato and watermelon, and in weeds.
- Spread is by aphids.
- On kava, look for crinkled leaves, with patches of yellow or white along the veins; cut stems to find brown lines inside, and black rotten stems that break.
- Cultural control: plant away from other kava in well-drained fertile soil under shade; surround plots with e.g., bananas, beles, cassava, citrus, papaya, sugarcane; plant cuttings in nursery to check if free from disease; weed; if disease occurs break off diseased stem just above ground level. If the plant is less than 1-year-old, replace the plant.
- Chemical control: none recommended.

#### Common Name

Kava dieback

#### Scientific Name

*Cucumber mosaic virus* causes kava dieback; the abbreviation is CMV.

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Information (and Photos 1-3) from Davis RI (2005) *Kava dieback*. Plant Advisory Leaflet No. 47. Secretariat of the Pacific Community. Quality Print, Suva, Fiji Islands. 4pp.; and from Mereia Fong-Lomavatu *et al.* (2006) *Yaqona dieback disease management: A package of practice*. Koronivia Research Station, Ministry of Primary Industries, Fiji Islands. 4pp.

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