



## Pacific Pests, Pathogens & Weeds - Mini Fact Sheet Edition

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### Banana aphid (103)



Photo 1. Colony of banana aphids, *Pentalonia nigronervosa*. Note the dark colour of the adults and the nymphs. The dark veins of the winged adults can just be seen on the insect at the top left corner.



Photo 2. Banana of different ages showing symptoms of *Banana bunchy top virus* disease. Notice the stunted plants and the yellow leaves, which are pale yellow at the margins.



Photo 3. Banana plant with *Banana bunchy top virus*. Notice the leaves are upright, stunted and tend to cluster in the "throat" of the plant; leaves like these are said to be "choked" and typical of the disease.



Photo 4. Underside of a banana leaf showing the dark and light - dots and dashes - along the veins. Also, the veins near the midrib bend down, "hooking" into it. These are characteristics symptoms of *Banana bunchy top virus*.

### Summary

- Worldwide. On banana and plantains, and relatives, e.g., *Heliconia*. Also, on *Canna*, ginger species, and aroids.
- Damage is done by the aphid spreading *Banana bunchy top virus*, after 18 hours' feeding. Once aphid is infected, it stays infected until death.
- Natural enemies: beetles, lacewings, syrphids, parasitoid wasps.
- Cultural control: weed – remove alternate hosts; prune mats of unwanted suckers; plantains are tolerant, and Gros Michel is more tolerant than Dwarf Cavendish.
- Chemical control: if plant has BBTV, remove old leaves, then kill aphids by (i) soap, white or horticultural oils; (ii) derris or pyrethrum; (iii) synthetic pyrethroids; or (v) kerosene or diesel. Spray glyphosate, and after 1 week, remove plant and burn.

### Common Name

Banana aphid

## Scientific Name

*Pentalonia nigronervosa*

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Information from Waterhouse DF, Norris KR (1987) *Biological Control Pacific Prospects*. Inkata Press. Photo 2 Richard Markham, ACIAR, Canberra.

Produced with support from the Australian Centre for International Agricultural Research under project PC2010/090: Strengthening *integrated crop management research in the Pacific Islands in support of sustainable intensification of high-value crop production*, implemented by the University of Queensland and the Secretariat of the Pacific Community

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