



# BEWARE OF ASIAN CITRUS PSYLLID (ACP) AND CITRUS GREENING (HLB)

# What is Asian Citrus Psyllid (ACP)?

- A tiny insect pest, 3-4mm long, mottled brown, with wings (A).
- Attacks citrus types: grapefruit, kumquat, lemon, lime, mandarin, orange.
- Feeds on leaves and shoots, causes curled leaves, stunned growth, dieback, and poor fruit.

# What is Citrus Greening (HLB)?

- A serious bacterial disease of citrus.
- No cure exists.
- Infected trees usually die within 5 years.
- All citrus varieties are at risk.
- Only way to protect citrus is to stop ACP and remove infected trees.

#### **How to Spot ACP?**

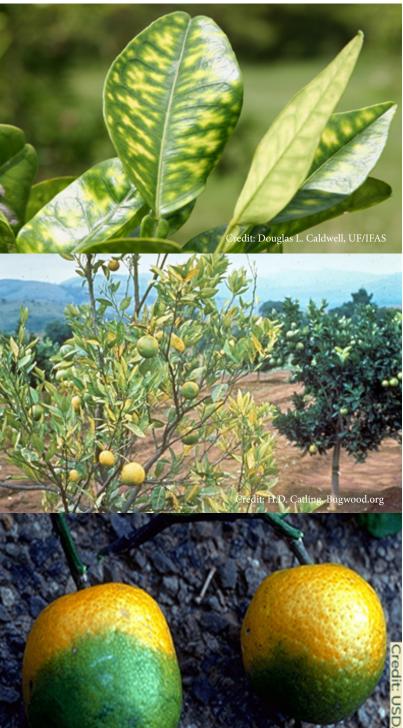
- Look for small, brown insects sitting at a 45° angle on leaves.
- Nymphs are yellow-orange and produce white wax (B).



#### Signs of damage:

- · Curled leaves (C)
- Deformed shoots (C)
- Stunted growth
- Flower and fruit drop







Report ACP or Citrus Greening BAF - HQ (Suva) Ph: 3312512 / 5994 or MoAW - HQ (Suva) Ph: 3383583 / 1523 or visit your nearest BAF or MoAW office





Early detection saves our citrus trees! Protect your farm, protect Fiji.

# **SYMPTOMS OF Citrus Greening (HLB)**

- Leaves and shoots:
- Yellow shoots
- Irregular yellow-green patches (D)
- Leaf drop and branch dieback (E)
- Flowers and fruits:
- Unseasonal flowering
- Excessive flower drop before fruit sets
- Fruits: small, misshaped, bitter-tasting
- Brown, deformed seeds
- Yellow-green rind when ripe (F)
- Early/excessive fruit drop

### What Should You Do (Management)

- Inspect citrus trees every month for ACP or HLB symptoms.
- Report immediately to Biosecurity Authority of Fiji (BAF) or Ministy of Agriculture and Waterways (MoAW) if you see ACP or unusal citrus symptoms.
- Do not move infested citrus plants, leaves, or fruits between villages, towns, or farms.
- 4. Work with authorities (BAF & MoAW) when traps are placed, inspections are done, or treatments are recommended.
- 5. Remove neglected trees old or uncared trees can harbour pests.
- 6. Control ants they protect ACP from natural enemies.
- 7. Use insecticides wisely sprays such as Bifenthrin, Malathion, or Spinosad may be used during citrus flush periods. Rotate products to avoid resistance. (Ask agriculture officer for advice.)