



Surveillance Update

Virginia (and surrounds), SA
10–16 February 2022

Legend:
Light green = Very low incidence
Green = Low incidence
Yellow = Low-moderate incidence
Orange = Moderate incidence
Red = High incidence

			
Powdery mildew	Orange	Orange	Orange
Aphids	Green	White	Orange
Mites	Orange	Green	Orange
Thrips	Orange	Green	Orange
Whitefly	Orange	Orange	Green

Crops in order of appearance: Cucumber, Tomato, Capsicum

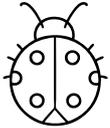
What's in the crop?



Aphids: Constant low levels observed in tomatoes (zero reports this week).

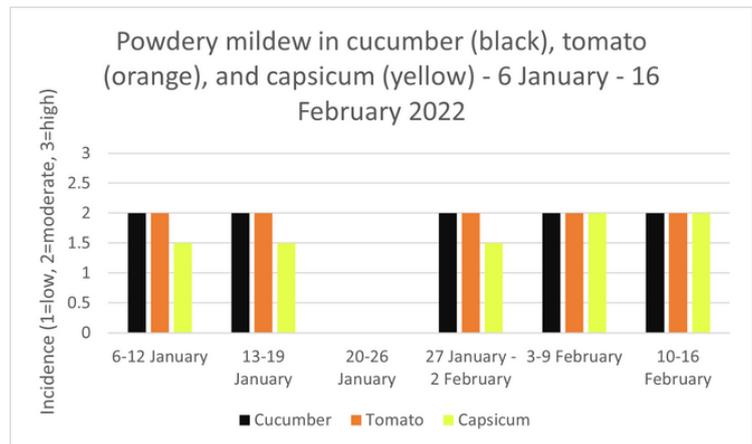


Powdery mildew: Moderate across all crops this week. See below trends across January and February 2022.



Beneficials:

Ladybirds, lacewings, hoverflies, native predatory mites, Nesidiocoris



Please note: No reports were received for eggplant this week. This does not indicate that there was '0' pest pressure in that crop.

CASE STUDY of the week: Black bean aphid (*Aphis fabae*) - Not present in Australia

- 1 Widespread throughout Europe, Asia, the Americas and Africa.
- 2 Wide host range, including many important vegetable crops.
- 3 Can infect crops with a range of harmful viruses.
- 4 Has high entry and establishment potential into Australia.

It can be spread:

- 1 Via plant material.
- 2 Via wind - a major means of aphid spread.

It could potentially arrive in Australia through wind-assisted flights.

If this pest were to arrive in Australia via airborne pathways, early detection is the best means possible for eradication efforts before it negatively impacts plant industries.



Black bean aphids. Credit: Ansel Oommen, Bugwood.org.

[Access the AUSVEG Pest and Disease Preparedness resource here](#)

Unsure whether you are correctly diagnosing a pest or disease?

Send in a sample to PIRSA-SARDI

[Click here](#) for more information or call Maddy Quirk on 0437 004 174

Past Surveillance Updates

[CLICK HERE](#)



Remember: Pest and disease pressure varies from farm to farm. Always monitor your crops and consult your consultant/agronomist for advice on control.