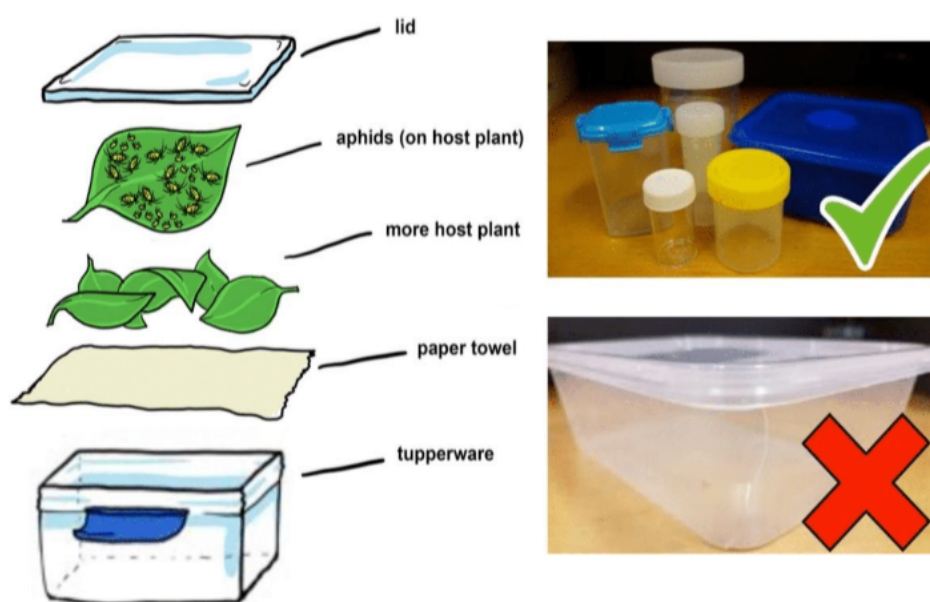


Collecting & sending aphids for resistance testing

Collecting Aphid Samples

- Aphids are often unevenly distributed across a paddock, and these patches can represent different clones (biotypes) that differ in levels of resistance. It is therefore important to **collect a representative sample of aphids from across a paddock** to accurately determine the resistance status of your population.
- If possible, collect **a bulk of >50 individual aphids per paddock**. Try and randomly select **5 sampling points at least 20 meters apart**. Collect aphids from 3-5 plants at each sampling point. Where possible, collect **>20 aphids at each sampling point**.
- At each plant, directly remove (cut) leaves that contain aphids, leaving the aphids undisturbed.
- Place the aphids and leaves in a **non-crushable plastic container**. Please do not use a take-away container as these break. Also, **place a piece of tissue paper or paper towel into the container to absorb excess moisture** (do not send samples in zip lock bags or in a way where aphids can be squashed in the post).





- Adequate collection data is essential for successful resistance testing. To assist us, **please print the below ‘Cesar aphid resistance testing field record sheet’**, fill out all the details and include this when posting your sample.

Sending Aphid samples

- Samples should be sent via overnight express post on Monday (most preferably) – Wednesday (latest possible). Do not send sample toward the end of the week or over the weekend.
- Once samples have been posted, please notify us via email at sward@cesaraustralia.com. This will ensure samples are processed in a timely manner.
- Samples should be addressed to:

**Aphid resistance testing
service**

**Samantha Ward
Cesar Australia
Level 1, 95 Albert St
Brunswick VIC 3056**

Note: Samples sent for resistance testing will require a minimum 3-week quarantine period before testing can proceed and will likely take a minimum 5 weeks.



Cesar Aphid Resistance Testing Field Record Sheet

Collection date:

Collector name:

Mobile:

Email:

| | |
|----------------------------|------------|
| Grower name: | |
| Paddock name: | |
| GPS details/ Road address: | |
| Latitude: | Longitude: |

Paddock Details – Circle answer

Canola, Lupins, Field Peas, Wheat, Barley, Other:

Crop growth stage:

Paddock History – Circle answer

Last year – Pasture, Wheat, Barley, Lupins, Canola , Field peas, Other:

(2021)

Insecticide history – Fill in information and then circle any treatments that failed

| | Pre-sowing | Seed treatment | Bare earth (PSPE) | Seedling emergence | Other sprays |
|-----------|-------------------------------|---|-------------------------------|---------------------------------------|---------------------------------------|
| | Chemical / rate / target pest | Chemical / commercial or famer treated / rate / target pest | Chemical / rate / target pest | Chemical / rate / target pest /timing | Chemical / rate / target pest /timing |
| This year | | | | | |
| 2021 | | | | | |
| 2020 | | | | | |

Other notes and details of any sulfoxaflor (Transform) or spirotetramat (Movento) control failures:

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