

Pest, disease and weed surveillance



Surveillance for your industry's priority unwanted pests should be incorporated into your normal passive surveillance/monitoring activities. These records may be important for export market access.

- Becoming familiar with common pests on your property means that your spray applications or alternative treatment methods can be used with maximum efficiency.
- Routine checking of crops is essential for maintaining crop health and gives you the best chance of identifying a new pest before it becomes established.
- It is important to know the common pests, diseases and weeds in your area and especially those that are often found on your property.
- Consult with other growers on anything suspicious.

Common symptoms of Pest infestation or plant disease include:

- Stem or leaf wilt
- Leaf chlorosis or mottling
- Puncture wounds, chew marks or tunnelling tracks in leaf tissue
- Reduced fruit or vegetable size and reduced crop yield
- Underdeveloped root systems
- Pale fuzzy or powdery growth on leaves, indicating mildew
- Decayed roots, leaves, stems, fruit

- ✓ Record the symptoms or weed and photograph
- ✓ Record the location and restrict access of site(s) workers and equipment to that zone
- ✓ Wash hands, clothes and boots that have been in contact with affected plant material or substrate
- ✓ Do not move the affected plant – incorrect handling could further spread the pest
- ✓ Identify equipment and machinery that have recently been used in the affected zone and decontaminate

For further information contact:
Tomatoes New Zealand Inc.
www.tomatoesnz.co.nz

If you see any unusual pests or plant symptoms, call the

MPI EXOTIC PEST AND DISEASE HOTLINE
0800 80 99 66

Routine Monitoring

Pest, disease and weed surveillance

What information should be recorded?

- Record the date and all observations, such as pests identified, growing area affected, the level of infestation and proposed treatment plans.
- Also record if no pests are detected.
- A list of biosecurity pests that may impact tomato growers if they appear in New Zealand can be found at Tomatoes New Zealand Inc. www.tomatoesnz.co.nz/industry/biosecurity

Pest Surveillance Record Sheet

Name	Growing Area	Site Number	Date	Pest/ Weed/ Disease	Level of infestation/ infection	Treatment Plan	Comments

NB: Level of infestation or infection may be estimated (e.g. low/med/high) or quantitatively (e.g. % plants affected per block/ number plant affected per block). When treatment is commenced, include date of initiation and duration of plan. If a pest, disease or weed cannot be identified, record the symptoms and treat the detection as an unwanted pest.

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