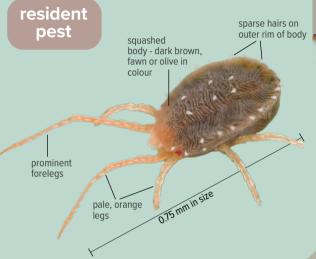
## **Invertebrate Knowledge Card** Pasture/clover mite Bryobia spp.

April to June is a key monitoring period due to high damage potential to emerging crops.

## Visual inspection

- · Look for feeding damage and for mites on leaves.
- Use a hand lens.
- Prefers warm conditions may be difficult to detect in the early morning or when wet.







May

Canola Vetch Clover Lucerne Lupin Cereals



Aug

Stippling & trails of whitish-grey dots

- There are multiple species of Bryobia mite, and most have not been researched.
- Bryobia species found in pastures and grain crops tend to have a natural tolerance to insecticides.
- This mite is easy to confuse with other pest mites, especially the brown wheat mite (Petrobia latens), which is smaller and has a more globular-shaped body.

Prefers Mediterranean climate. Found in most of southern mainland Australia. Also recorded in Tasmania and Queensland.



Feeds on the upper surfaces of leaves and cotyledons.

Cotyledons become shrivelled or cupped in severe cases.



This research initiative is a GRDC investment that seeks to deliver new knowledge to improve the timing of pest management decisions in grain crops to grain growers: CSE00059. This project is being undertaken by the CSIRO in partnership with cesar, NSW DPI, SARDI, the University of Melbourne, and WA DPIRD. This card was developed by cesar, with support from project partners. Technical input provided by Dr Paul Umina. Photo by David Heaton-Jones (2017), Graphics: Elia Pirtle & Jessica Lye.