Mites found on adult orchard mason bees (genus *Osmia*)

All mites without magnification signs (e.g., “2x”) are approximately to scale.

mites on bee at lower magnification

- **Chaetodactylus**
- **Parapygmephorus**
- **Tortonia**

slide-mounted mites at higher magnification (can be distinguished by shape)

- **Chaetodactylus 1** (phoretic deutonymph) - 3 long setae
- **Chaetodactylus 2** (phoretic deutonymph) - 1 long setae
- **Tortonia** (phoretic deutonymph)
- **Saprophyphus** (phoretic deutonymph)
- **Parapygmephorus** (♀)
- **Imparipes** (♀)

**Legend:**
- Green circle: associated exclusively with bees
- Orange circle: harmful to bee
- Yellow circle: some life stages associated with bees, while others are not
- Blue circle: not harmful to bee
- Green square: can complete entire life cycle without bees
- Black circle: unknown