Mites found on adult large carpenter bees (genus *Xylocopa*)

**Acariformes**

mites on bee at lower magnification

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

- Tarsonemus
- Sennertia
- Sennertia
- Horstia
- Horstia
- Tortonia
- Histiostoma
- Aeroglyphus
- Cheletophyes

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

- Sennertia (phoretic deutonymph)
- Horstia (phoretic deutonymph)
- Tortonia (phoretic deutonymph)
- Histiostoma (phoretic deutonymph)
- Aeroglyphus (♀)
- Cheletophyes (♀)
- Tarsonemus (♀)
- Neotrombidium (♀)

Associated exclusively with bees

- Some life stages associated with bees, while others are not
- Can complete entire life cycle without bees
- Harmful to bee
- Not harmful to bee
- Unknown

Bee Mite ID
http://idtools.org/id/mites/beemites
Mites found on adult large carpenter bees (genus *Xylocopa*)

*Parasitiformes*

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

mites usually in internal pocket (metasomal acarinarium)

mites on bee at lower magnification

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

- **Dinogamasus** (♀)
- **Xylocolaelps** (♀)
- **Stigmatolaelaps** (♀)
- **Neoclypholaelaps** (♀)
- **Ameroseius** (♀)

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