

# Honey Bee-Collected Pollen

Identify Whether Honey Bees Use Pollen From Shelterbelt Tree and Shrub Species in Early Season

- Methods:**
- Pollen traps installed at 24 apiary sites
  - Pollen collected weekly during May and June, 2020
  - Pollen identified with DNA metabarcoding

Numerous plant species including trees and shrubs provide early-season pollen resources for honey bees.

Late May

Early June

Late June

**Oleaceae family** (ash and lilac)

**Rosaceae family** (chokecherry, apple and plum)

**Salicaceae family** (willow)

TREES

**Caprifoliaceae family** (honeysuckle)

**Rhamnaceae family** (buckthorn)

**Sapindaceae family** (boxelder)

**Elaeagnaceae family** (Russian-olive)

**Asteraceae family** (dandelion)

**Brassicaceae family** (brassica and mustard)

**Fabaceae family** (sweet clover and clover)

OTHER SPECIES

Sweet clover

Russian-olive

Apple

Plum

Willow

Chokecherry

Boxelder

Pollen Trap

Honeysuckle

Lilac

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