Common pollinators in Minnesota landscapes

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Bees

Bee characteristics

- · Usually hairy; especially on legs or abdomen
- Usually robust with a thin waist
- Four wings
- Moderate long, elbowed antennae
- Pollen on legs or abdomen
- 1/8 inch 1 inch long

Honey bee characteristics

- Moderate sized (1/2")
- Golden brown abdomen with black stripes
- But color is variable!
- Pollen packed into balls on back legs





Bumble bee characteristics

- Moderate to large (up to 1")
- Yellow (sometimes red) and black hair
- Pollen packed into balls on back legs





Bee characteristics

Size and color variable
Pollen collected on brushes on back legs or under abdomen

Yellow faced bee

Small resin bee





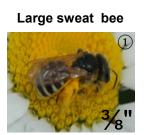




Small sweat bee











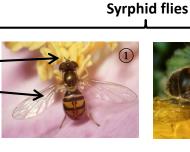
Cuckoo bee

Blow fly

True Flies

True fly characteristics

- Short antennae
- Two wings
- No visible waist Typically less hairy
- Syrphid flies are bee and wasp mimics
- Most between 1/8" 1"















Wasps

Wasp characteristics

- Four wings
- Generally visible waist
- More slender than bees
- Antennae medium length
- Mostly hairless
- Some with obvious color patterns
- Many between $\frac{1}{4}$ " 1+"



Paper wasps

Great black wasp

Beetles

Beetle characteristics

Wing covers present



Soldier beetle

Butterflies/Moths

Butterfly/Moth characteristics

· Four wings covered with scales



Clouded sulphur

Resources

Upper Midwest Citizen Science Monitoring Guide Native Bees: http://xerces.org/xerces-bee-monitoring-tools/ Bee Lab: http://beelab.umn.edu/ BugGuide: http://bugguide.net/ Discover Life: http://discoverlife.org/

Photo Credits

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