Wisconsin

BUMBLE BEES

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Bumble bees are one of the most recognizable and important pollinating insects in the world. The dense, fuzzy hair that covers their bodies as well as their unmistakable, helicopter-like buzz makes them a delight to observe. Wisconsin is home to 20 of the 250 known species of bumble bee. This guide will help you identify the 10 most important bumble bees in Wisconsin in addition to sharing some of the most important and fascinating biology about these lovely creatures.

Bumble bee life cycle

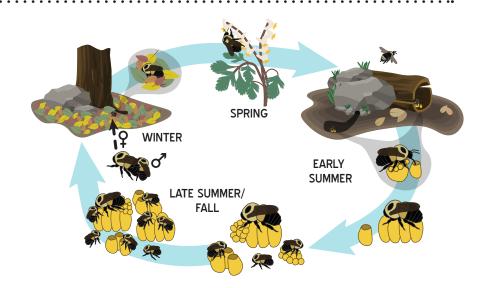
Bumble bees, like honey bees, are social insects - living together in a colony.

Spring: Queen emerges and locates nest, raises first round of female workers.

Early Summer: Queen stays inside laying eggs, workers forage for pollen and nectar.

Late Summer: Males and new queens emerge and mate. All but new queens die.

Fall/Winter: Newly mated queens dig underground to hibernate until spring.



The endangered bumble bee

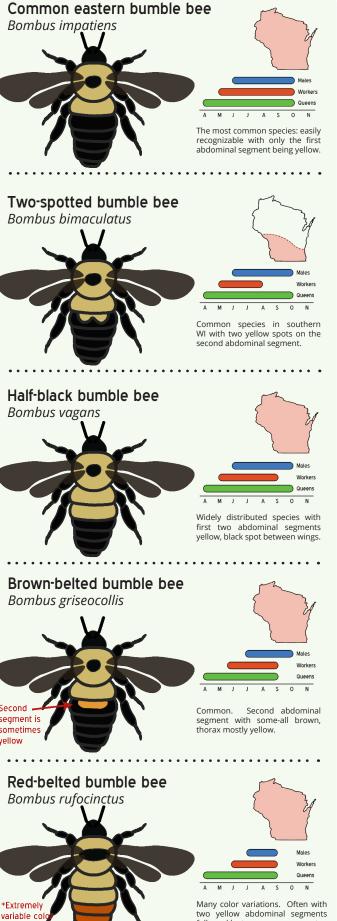
In March of 2017, the rusty-patched bumble bee (*Bombus affinis*) became the first federally protected bumble bee species. This once common bee has all but disappeared over 90% of its range and is now rarely encountered.

Habitat loss, disease, and increased insecticide use are all thought to be reasons for the decline of rusty-patched and several other once common species. A few small sanctuaries (such as UW Arboretum) still host the rusty-patch. Other species, including *Bombus terricola*, are also in decline.



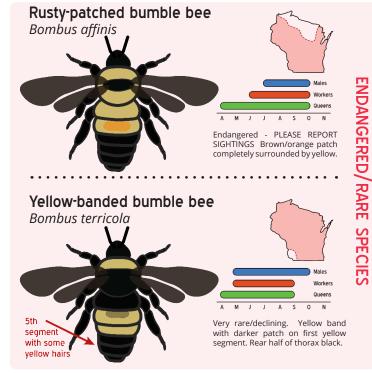
Using this guide What to look for... Face coloration Thorax coloration Thorax coloration Two pairs of wings Abdomen coloration Abdomen coloration

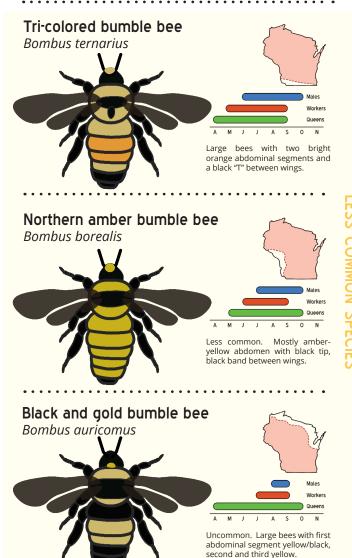




COMMON SPECIES

patterns





followed by two orange segments.