Stinging Insects: Bumble Bees

Common name: Bumble bees

Scientific name: Bombus spp.

Also known as: humble bees

Size: 3/8 to 3/4 inch long

Commonly confused with: carpenter bees

Distinguishing marks:
- large and robust
- very hairy, generally black and yellow, but often with white or orange bands

Distribution: throughout North America

Habitat: woods, open fields

Life cycle: Bumble bees are social insects with annual nests. A mated queen emerges from hibernation in early spring and starts a colony on her own. Nests are often found in old rodent burrows, compost piles, woodpiles, discarded sofas or cavities underneath sidewalks. Small workers develop first and collect nectar and pollen for subsequent generations of developing brood. Unlike wasps and hornets, which feed on insects, bumble bees consume only nectar and pollen. They do not produce large amounts of honey, only enough to feed the developing young. At its peak, a bumble bee nest may contain 300-500 individuals. Towards the end of summer, males and new queens develop. After mating, the new queens burrow into the ground where they spend the winter in hibernation. The workers, males and old queen perish in the fall.

Damage: generally none, minimal structural damage if they nest in a wall cavity; normally docile and only sting if provoked.

Benefits: Bumble bees pollinate a wide variety of crop and ornamental plants, and many gardeners place nesting boxes in their garden to encourage bumble bees to nest. Active bumble bee colonies are commercially available.

Management: If the bumble bees do not pose a threat, let them be; they will die out in late summer and will not use the same nest the following year. If control is necessary, it is best to contact a professional. If you elect to destroy the nest yourself, wait until night and apply an approved insecticidal dust to the nest entrance. Be sure to dress appropriately. Wear eye protection, a long-sleeved shirt, trousers and boots, and secure your sleeves and pant legs. Establish an unobstructed escape route and be ready to move quickly away if any of the bees fly towards you. If you require illumination, use a flashlight covered with red cellophane for a light - bees cannot see red. Bumble bees that get in the house can easily be coaxed out an opened window or controlled with an approved aerosol insecticide.

Sting: Bumble bees are normally docile and will only sting if provoked or if their nest is in danger. Unlike honey bees, bumble bees have a smooth stinger and can sting repeatedly. If you are stung, cooling the area with ice may be soothing.

Remember! Insect stings can elicit a life-threatening, allergic reaction in some individuals. Check with your physician to determine what symptoms require a visit to the emergency room. Never attempt any control measure if you have a known allergy to insect stings.


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2006 Source: http://www.masterbeekeeper.org/stinging/bumblebees.htm