

windy weather and short growing

Pollination, or the process of moving pollen grains to the stigma of a plant, allows flowers and plants we love to reproduce. A short description of a few Wyoming pollinators is below; visit wyomingbiodiversity.org/pollinators to learn more!

a flower with such vigor that the pollen is both shaken and sucked out of the flower by gravity and static electricity. Buzz pollination also self-pollinates flowers such as tomatoes. This process makes that classic loud buzz noise for which

bees are so well known. There

are 22 known species of bumble

bees in Wyoming and can often be

(oftentimes lilacs, roses, and alfalfa). They carry these leaf pieces back to their nests to build walls around and between egg chambers, which are created in long, narrow crevices or tubes. The damage to the plant is minimal and mostly aesthetic; however, one should note that a root weevil can cause similar





White-shouldered bumble bee (Bombus apositus).

Leafcutter bee (Megachile spp.)

looking damage to leaves (but triangular, not round-shaped) but have a very negative impact on the plant. Be sure to check with a local entomologist or a University of Wyoming Extension office to find what is cutting holes in the leaves. Leafcutter bees are commonly used in commercial alfalfa seed production in northern Wyoming.

Mason Bees (Osmia spp.)

Mason bees are small-bodied with metallic black, green, or blue bodies. They are also solitary and build nests in crevices or tubes and use mud to seal each egg chamber. They're extremely efficient pollinators, in part because they can be active in rather cold weather and on cloudy days, which means they can collect pollen for longer in a single day and more frequently than other types of insects. You can encourage

them in your garden by providing flowering plants and hollow chambers for the female to lay eggs in.

Sweat Bees

This group of tiny bees is known for landing on one's arm during the heat of the summer to lick the salt and water in perspiration. They are commonly metallic green but can also be black, gray, or other colors. Scientists suspect there is huge diversity in this group of bees, but because they're so small and difficult to identify (many require a microscope), not much is known about their numbers and species diversity.

Brush-footed Butterflies

Brushfoots refer to a group of butterflies that use their two front legs not for walking or standing but rather for tasting and smelling. These legs are somewhat shorter and have little hairs, hence this group's name. There are over 4,000 species of brush-footed butterflies across the globe. In Wyoming, there are approximately 60 species. These include fritillaries, monarchs, checkerspots (see photo page 10), and admirals. Caterpillars of butterflies are voracious eaters and consume lots of plant material, but as adults they drink nectar and accidentally collect pollen along the way.

Parnassian and Swallowtail Butterflies

This group of butterflies is less diverse than the brushfoots. There are 11 species in this group found in Wyoming, including the Rocky Mountain Parnassian, the Anise Swallowtail, and the Western Tiger Swallowtail.



Mason bee (Osmia spp.).



Photo by Dorothy Tuthill

Sweat bee



Photo by John Nordin

Anicia Checkerspot (Euphydryas anicia)

Shutterstock photo by Kenneth Rush



Western Tiger Swallowtail (Papillo rutulus)



White-lined Sphinx Moth (Hyles lineata)



Calliope hummingbird

Sphinx Moths

This moth has earned three different nicknames: hawk moth, sphinx moth, or hummingbird moth. It is mostly brown, gray, and white with a streak of orange, pink, or peach on its hindwings. This bright coloring is unusual for moths, and indicates it is active during daylight hours - usually at dusk. This caterpillar is the

well-known gardening pest - the tomato hornworm. However, if one can tolerate some damage to garden plants, it's worth the outcome with this beautiful pollinator.

Hummingbirds

One of the most charismatic, vertebrate pollinators is the hummingbird. Wyoming is home to three

species (rufus, broad-tailed, and calliope). These incredible birds use long tongues and beaks to drink nectar from flowers - commonly long, tubular shaped, and red. Hummingbirds can easily maneuver in many directions and can hover by a flower by beating their wings approximately 50 beats per second.

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