Attracting Hummingbirds to Your Garden Using Native Plants

Black-chinned Hummingbird feeding on mountain larkspur, fireweed, and wild bergamot (clockwise from top)
Many of us enjoy the beauty of flowers in our backyard and community gardens. Growing native plants adds important habitat for hummingbirds and other wildlife – especially pollinators. Even small backyard gardens can make a difference.

Gardening connects us to nature and helps us better understand how nature works. This guide will help you create a hummingbird-friendly garden.

Hummingbird garden guide

Why use native plants in your garden?

Hummingbirds have evolved with native plants, which are best adapted to local growing seasons, climate, and soil. They prefer large, tubular flowers that are often (but not always) red in color. In this guide, we feature seven hummingbirds that breed in the U.S. For each one, we also highlight two native plants found in its breeding range. These native plants are easy to grow, need little water once established, and offer hummingbirds abundant nectar.
What is pollination?

Pollination is the process of moving pollen (male gamete) from one flower to the ovary of another flower of the same species, which produces fertile seeds. Almost all flowering plants need to be pollinated. Some plants are pollinated by wind or water, and some are even self-pollinating. However, most flowering plants depend on bees, hummingbirds, and other animals for pollination.

Keystone species

We call hummingbirds, and other pollinators, *keystone species* because they are species upon which others depend. For example, when a hummingbird feeds on the nectar and pollen of blueberry flowers, it pollinates the flowers, which will produce fruit eaten by songbirds, black bears, and dozens of other animals, including humans.

Pollinators are vital to maintaining healthy ecosystems. They are essential for plant reproduction, and produce genetic diversity in the plants they pollinate. The more diverse plants are, the better they can adapt to changes in the environment.
Ruby-throated Hummingbird
Archilochus colubris

The Ruby-throated is the only hummingbird to breed east of the Mississippi River. They nest in deciduous woodlands adjacent to old fields, forest edges, meadows, orchards, stream borders, and backyards. In the fall, they migrate non-stop day and night over the Gulf of Mexico to winter in Central America—a 500-mile journey.

♂ Male:
• 3¼-3¾ inches
• ruby-red gorget
• distinctively forked tail

GARDENING
Trumpet honeysuckle (right) fits in any garden space; the more sun this vine gets, the more flowers it produces.

Most hummingbirds of the U.S. and Canada migrate south in fall to spend winter in Mexico or Central America.

red cardinal flower
Lobelia cardinalis

trumpet honeysuckle
Lonicera sempervirens
**Black-chinned Hummingbird**
*Archilocus alexandri*

This abundant hummingbird can best be identified by the way it pumps its tail almost constantly in hovering flight while feeding. One of our most adaptable hummingbird species, the Black-chinned breeds in urban gardens and recently disturbed habitat as well as in pristine natural canyons and riparian areas.

**Male:**
- 3⅓-3¾ inches
- black head and chin with band of metallic purple on bottom edge

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**GARDENING**
Fireweed naturally colonizes disturbed areas, so it grows quickly and can spread.

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No other bird can hover like a helicopter for as long as hummers do.

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Fireweed
*Chamerion angustifolium*

Mountain larkspur
*Delphinium glaucum*
Anna’s Hummingbird
Calypte anna

A year-round resident along the Pacific Coast, the breeding range of Anna’s Hummingbird has greatly expanded because eucalyptus trees they feed upon and nest in have spread north. Males have a distinctive song that is long for a hummingbird—a series of buzzes, a whistle, followed by sharp chip notes. They are commonly found in urban and suburban settings as well as wilder places such as chaparral, coastal scrub, oak savannahs, and open woodland.

Male:
• 3½-4 inches
• rose-red head and gorget
• white spot behind eye

GARDENING
Drought tolerant and evergreen, manzanita always looks green and healthy even in the hottest, driest part of the summer. Don’t overwater, and be sure to plant local species.

To attract females, males conduct elaborate courtship.
flight displays—climb, dive, swoop and climb again. Each hummer species has a distinct aerial display.

manzanita
Arctostaphylos spp.

hummingbird trumpet
Zauschneria californica
Hummingbird food

Hummingbird flowers

Although hummingbirds prefer red flowers, they often feed on flowers of other colors. In fact, hummers arriving in late April in the western interior mountains must feed on flowers of many different colors since few native red flowers bloom before June. So, for your garden, choose flowers in a variety of colors and with lots of nectar.

Hummers can hover; therefore, they have little need for flattened flowers with landing platforms (sunflowers). They prefer long, tubular flowers (penstemon or honeysuckle). Flowers use scents to attract insect pollinators. Since hummingbirds don’t have a good sense of smell, hummingbird flowers are often unscented.

Hummingbird feeding tips

Use hummingbird feeders that:
• are easy and quick to clean;
• have no hidden parts where mold can grow;
• have a built-in ant moat if possible;
• have no yellow parts (yellow attracts bees and wasps).

For the nectar solution, be sure to use a ratio of 1:4 cane sugar to water. In hot weather, clean feeders and replace nectar solution often. It’s best to set up several feeders rather than one large feeder to support more hummers in your yard. Some hummingbirds, especially Rufous and Ruby-throated, will aggressively defend a feeder from other hummers.

Sap wells and insects

Sap wells created by sapsuckers supply many animals with a quick energy boost. Hummingbirds need lots of insects (protein) in their diet and will nab insects stuck in sap wells.
Planning your garden – think like a hummingbird.

Think native. Hummers are best adapted to local, native plants, which often need less water than ornamentals.

Think perches. Hummingbirds spend much of their time perched on dead branches and dead tree tops—resting or surveying their territory.

Think patience. It takes time for native plants to grow and for hummers to find your garden, especially if you live far from wild lands.

Think bountiful. Plant big patches of each plant species for better foraging efficiency.

Think water. Hummingbirds will bathe in dripping water, shallow creeks and even garden sprinklers.
Think tall. Hummingbirds nest on the branches of tall shrubs and trees, which provide cover and escape from predators.

Think diverse. Plant a diversity of flowering species with abundant pollen and nectar.

Think chemical free. Pesticides and insecticides kill insect pollinators and can harm hummingbirds.

Think aware. Observe hummingbirds when you walk outside in nature. Notice which flowers attract them.

Think friendly. Create hummingbird-friendly gardens both at home, at schools and in public parks. Help people learn more about hummingbirds and native plants.

Think showy. Flowers should bloom in your garden throughout the growing season. Plant willow, currant, and columbine for spring, and aster, salvia, and goldenrod for fall flowers.

Think a little messy. Most insects nest underground or in leafy debris so avoid using weed cloth or heavy mulch. More insects mean more food for hummingbirds.

Think safe harbor. Domestic cats can kill hummingbirds. Please keep them indoors.
Costa’s Hummingbird
Calypte costae

This tiny, desert hummingbird occurs in the Sonoran and Mojave deserts of Arizona and California. Where their ranges overlap, Costa’s are less likely to use urban habitats than Anna’s. They breed in rocky, thorny shrublands and cactus-covered hillsides along desert washes of Arizona, and in chaparral and coastal scrub of California.

♂
Male:
• 3-3½ inches
• violet-purple crown and gorget
• short tail

GARDENING
These beautiful plants (right) are a little finicky, but well worth the effort. All penstemon species attract hummingbirds.

Hummers can consume more than half their weight in nectar each day, plus insects.

bearded penstemon
Penstemon barbatus

ocotillo
Fouquieria splendens

bearded penstemon Penstemon barbatus

ocotillo Fouquieria splendens

GARDENING
These beautiful plants (right) are a little finicky, but well worth the effort. All penstemon species attract hummingbirds.

Summer
Winter
Resident
Calliope Hummingbird
Selasphorus calliope

The smallest bird in the U.S., the Calliope weighs only as much as two paper clips, yet migrates annually between Canada and Mexico. Calliope males make a bumble bee-like buzz when courting females or displaying at other animals that invade their territory. They breed in mixed coniferous and deciduous forests near streams and in shrub-sapling forests with openings caused by timber harvest or fire.

♂ Male:
- 2¾-3¼ inches
- iridescent reddish-purple gorget, which he can display outward like “calliope pipes”

Actual size
Hummers lay the smallest eggs of any birds.

GARDENING
One of the first plants to flower in the spring in the Rockies, golden currant (right) attracts lots of pollinators, including hummingbirds and native bees.

golden currant
Ribes aureum

wild bergamot
Monarda fistulosa
Broad-tailed Hummingbird
Selasphorus platycercus

A hummingbird of subalpine meadows, the male Broad-tailed Hummingbird is often heard before he’s seen. He makes a buzzing whistle as air rushes through his outer primary wing feathers. Broad-tailed Hummingbirds breed in California, the southern and central Rocky Mountains at high elevations in subalpine meadows and shrubby areas with nearby forests of willow, pine, fir or spruce.

Male:
• 3⅜-4¼ inches
• rosy-red gorget

GARDENING
Hummingbirds do love cactus flowers. Scarlet hedgehog cactus needs full sun and little water.

Hummer's small size and relatively large flight muscles allow them to beat their wings 80 times a second.

scarlet gilia
Ipomopsis aggregata

scarlet hedgehog cactus
Echinocereus coccineus
Rufous Hummingbird
Selasphorus rufus

Pugnacious and fiercely territorial, the Rufous Hummingbird male takes on hummingbirds or other birds twice its size. Rufous have the longest migration route of any hummingbird in the U.S., some migrate over 2,000 miles every year—from Alaska to Mexico. They breed in open, shrubby areas, forest openings after severe fire, and willow flats from sea level to about 6,000 feet.

♂

Male:
• 3½-4 inches
• reddish orange iridescent gorget
• orange back and belly

GARDENING
Easy to grow, lovely columbine (right) likes shade and water.

Tiny hummer nests contain lichen, feathers, bark, leaves, moss, and plant pieces glued together with spider webs.

Columbia lily
Lilium columbianum

Western columbine
Aquilegia formosa
Why hummingbirds need our help...

Hummingbird hurdles

Migration is risky business. Most hummingbirds that breed in the U.S. migrate to Mexico (Ruby-throated migrate to Central America) to winter—an amazing and dangerous journey.

Biologists also worry that the populations of some hummingbird species are declining—Rufous, Calliope, and Costa’s in particular. Other pollinators such as bumble bees and honey bees are in trouble too. It appears that habitat loss, invasive species, and pesticide poisoning account for many of the declines.

Yet perhaps the greatest threat to hummingbird survival is the effect of changing climates on flowering phenology (when flowers bloom) because even minor changes in climate can produce large changes in nectar availability and in blooming dates.

Helping hummingbirds

You can help hummingbirds by participating in citizen-science efforts like Project Budburst, Hummingbirds at Home, and Journey North—programs that depend on you to record your observations. Scientists can then analyze this data to better understand the needs of hummingbirds and other wildlife.

For more information, check out these websites:

- budburst.org
- hummingbirdsathome.org
- learner.org/jnorth
- pollinator.org
- westernhummingbird.org
How do I find hummingbird-friendly native plants for my garden?

Gardening for hummingbirds

Best of all, we can do our part to support hummingbirds by creating beautiful hummingbird-friendly gardens, by providing safe havens for migrating birds and by protecting wildlife habitat.

The Pollinator Partnership offers 31 different planting guides tailored to specific ecoregions in the United States. Each guide is chock-full of native plant and pollinator information.

To get the guide specific to your ecoregion:

1. Visit the Pollinator Partnership website: www.pollinator.org
2. Click on Planting Guides.
3. Enter your 5-digit zip code.

You’ll find the Selecting Plants for Pollinators guide that fits your region. Check out the charts that list which native plants grow best in your area so that you can attract more hummingbirds to your garden.
Calliope Hummingbird
feeding on scarlet paintbrush

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