# Central Pennsylvania Pocket Guides

# Plants for Hummingbirds



# **Hummingbird Gardens**

#### **Class Aves, Order Apodiformes**

A SIGN OF spring arrives in Pennsylvania during the first week of May- the Ruby-throated Hummingbird. Despite only weighing 3-4 g, these birds migrate between Central and North America every spring and fall. Some individuals choose to take the safer but longer land route through Mexico and Texas while others opt to travel over the Gulf of Mexico, flying 600 miles non-stop.

Although there are over 300 species of hummingbird in the Americas, the Ruby-throated Hummingbird is the only species found in northeast region of North America. The species is sexually dimorphic, with males sporting a ruby-colored throat. Females are more subdued, with an iridescent green back and pale breast. Hummingbirds have a specialized long, slender beak for reaching into tubular flowers to feed on nectar.

Hummingbirds are in the order Apodiformes which means "footless" in Greek. They do have feet, but they cannot walk or hop like other birds. When not perched on a branch, a hummingbird is in flight even when feeding. Hummingbird flight is more similar to the flight of insects than birds.

THIS IS A wonderful example of convergent evolution. Birds and insects are not closely related. Rather, they have similar diets that require flight behaviors to access flowers, such as hovering, backward flight, and precise turns.

Many of the flowers visited by hummingbirds are red. Despite popular belief, preference for red flowers has less to do with color vision and more to do with resource competition between humming-birds and insects such as bees. Bees are insensitive to the red end of the visible light spectrum, making it difficult for them to differentiate red flowers from green leaves. Therefore, bees tend to visit other colored flowers resulting in humming-birds having less competition for nectar at red flowers.

Hummingbirds do not feed on pollen like bees. However, hummingbirds inadvertently collect pollen on their head feathers as they drink nectar from tubular flowers. In this way they are the best bird pollinators of the New World. Although hummingbirds are small birds, they are relatively large when compared to insect pollinators.

BECAUSE OF THIS, they need relatively large amounts of nectar with high concentrations of sugars for energy. Hummingbird-specialized flowers have coevolved to have just the right color and nectar.

To attract Ruby-throated hummingbirds to your garden, choose plants from our recommended list. A hummingbird feeder can be an additional source of nectar. Hummingbirds are omnivores, eating insects as well as nectar. Plants in your garden that support insects such as ants, spiders, and flies will also support hummingbirds. Owners of hummingbird-attracting gardens will enjoy the acrobatic flight of visiting Ruby-throated Hummingbirds. They may also get quite nice views of hovering hummingbirds feeding from flowers or feeders, one of the few times a hummingbird stays relatively still.

#### **Plant Symbols Key**

☆ Full Shade	○ Dry
🌞 Part Sun	Moist
★ Full Sun	<b>♦</b> Wet

# **Eastern Columbine**

Aquilegia canadensis



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J	$\mathbf{F}$	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	<b>*</b> *
Water	•
Size	2' to 3' Tall 1' to 1.5' Spread
Soil	Neutral Alkaline
Tolerances	Rabbit Deer Drought

# American Fly Honeysuckle

### Lonicera canadensis



-	J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	*
Water	$\Diamond$ $lack$
Size	2' to 5' Tall
Soil	Slightly Acidic to Neutral
Tolerances	Drought

Trumpet Honeysuckle

Lonicera sempervirens



J	F	M	A	M	J	J	A	S	O	N	D

Type	Vine
Sun	* *
Water	•
Size	8' to 20' Tall 5' to 10' Spread
Soil	Slightly Acidic to Neutral
Tolerances	Flooding

# **Fire Pink**

# Silene virginica



J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	* *
Water	<b>○                                    </b>
Size	1' to 1.5' Tall 1' to 1.5' Spread
Soil	Neutral to Acidic
Tolerances	Drought

# **Black Locust**

# Robinia pseudoacacia



J	$\mathbf{F}$	M	A	M	J	J	A	S	O	N	D

Туре	Deciduous Tree
Sun	*
Water	◊ ◊
Size	30' to 40' Tall 25' Spread
Soil	Neutral to Acidic
Tolerances	Deer Drought Clay

# Eastern Smooth Beardtongue

Penstemon laevigatus



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J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	*
Water	<b>♦</b>
Size	1' to 8' Tall 1' to 2' Spread
Soil	Neutral to Acidic
Tolerances	Drought

# **Kentucky Coffeetree**

# Gymnocladus dioicus



J	$\mathbf{F}$	M	A	M	J	J	A	S	O	N	D

Type	Deciduous Tree
Sun	*
Water	$\Diamond \bullet \Diamond$
Size	65' to 75' Tall 45' Spread
Soil	Acidic Neutral Alkaline
Tolerances	Flooding Drought

# **Purple Milkweed**

### Asclepias purpurascens



J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	*
Water	•
Size	3' to 5' Tall 2' to 3' Spread
Soil	Acidic Neutral Alkaline
Tolerances	Deer Drought Erosion

# **Obedient Plant**

Physostegia virginiana 'Pink Manners'



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J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	* *
Water	•
Size	3' to 4' Tall 2' to 3' Spread
Soil	Slightly Acidic
Tolerances	Drought

# **Swamp Milkweed**

# Asclepias incarnata



J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	*
Water	•
Size	3' to 5' Tall 2' to 3' Spread
Soil	Acidic Neutral Alkaline
Tolerances	Deer

# Wild Bergamont

### Monarda fistulosa



								100			
J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	* *
Water	$\Diamond$ $\bullet$
Size	2' to $4'$ Tall $1'$ to $2'$ Spread
Soil	Acidic Neutral Alkaline
Tolerances	Drought

# **Cardinal Flower**

### Lobelia cardinalis



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J	F	M	A	M	J	J	A	S	O	N	D

Type	Herbaceous Perennial
Sun	* *
Water	<b>4</b>
Size	3' to 4' Tall 1' to 2' Spread
Soil	Slightly Acidic to Neutral
Tolerances	Flooding

NOTES FROM THE GARDEN				

NOTES FROM THE GARDEN			

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Plants in this guide were selected for a high degree of attraction in most temperate North American landscapes.



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