

WILDFLOWER BLOOM GUIDE

Species	Apr	May	Jun	Jul	Aug	Sep	Oct
Alexander, Golden							
Aster, Heath							
Aster, New England							
Aster, Sky Blue							
Aster, Smooth Blue							
Beardtongue, Foxglove							
Beardtongue, Pale							
Bergamot, Wild							
Blazingstar, Marsh							
Blazingstar, Prairie							
Blazingstar, Rough							
Boneset, Common							
Boneset, False							
Brown-eyed Susan							
Cardinal Flower							
Clover, Crimson							
Clover, Purple Prairie							
Clover, White Prairie							
Compass Plant							
Coneflower, Yellow							
Coneflower, Pale Purple							
Coneflower, Purple							
Coreopsis, Lanceleaf							
Culver's Root							
Cup Plant							
Evening primrose							
Goldenrod, Gray							
Goldenrod, Riddell							
Goldenrod, Showy							
Goldenrod, Stiff							
Great Angelica							
Great Blue Lobelia							
Illinois Bundleflower							
Indigo, Blue False							
Indigo, Cream Wild							
Joe Pye Weed							
Leadplant							
Lobelia, Pale Spike							
Milkweed, Butterfly							
Milkweed, Common							
Milkweed, Swamp							
Mint, Dotted							
Mint, Mountain							
Mint, Narrowleaf Mountain							
Mint, Ohio Horse							
Monkey Flower							
Obedient Plant							
Partridge Pea							
Prairie cinquefoil							
Purple Meadow Rue							
Seedbox							
Senna, Wild							
Sneezeweed							
Spiderwort							
Sunflower, False							
Susan, Black-eyed							
Sweet black-eyed susan							
Vervain, Blue							
Vervain, Hoary							



Pheasants & Quail Forever CONSERVATION SEED PROGRAM



RIGHTS-OF-WAY

PROGRAM OVERVIEW

SIMPLY PUT, OUR MISSION IS HABITAT

Whether it is nesting or brood rearing cover for upland nesting birds, pollinator habitat, food plots, or herbaceous winter cover, all these habitats start with quality seed and thoughtful seed mixes.

With increasing demands on the land, there are fewer acres available for wildlife and it is imperative we make those remaining acres the best possible. Pheasants Forever & Quail Forever recognizes rights-of-ways can provide important habitat for pollinators, upland birds, and other wildlife species.

Proudly recognized as "The Habitat Organization", we have restored and improved habitat on more than 14 million acres through 502,000 habitat projects since 1982. This success is largely the result of our 750 chapters and thousands of volunteers.

PURCHASE WITH A PURPOSE

All proceeds from seed sales go directly toward our mission of putting more habitat on the ground, youth in our fields, and birds in the air. So you're not only a customer, you're a supporter of our conservation mission.

We are excited to work with transportation authorities, energy companies, and communities to put high quality habitat on the ground benefiting a wide variety of wildlife while reducing long term maintenance costs.

ORDERING INFORMATION

ONLINE at: www.pfhabitatstore.com

- Real time pricing and availability of mixes
- Major Credit Cards Accepted (VISA, Mastercard, American Express and Discover)
- Normal shipping and handling included
- Orders typically delivered within 10 business days after payment
- Orders shipped directly to address provided
- Invoices and PLS documents emailed at time of order
- Custom mixes are available

OR call Kristi at: 866-914-7373

HIGH QUALITY HABITAT

Establishment: Year 1, Year 2, Year 3



**PATIENCE
IS A VIRTUE**



OTHER SPECIALTY MIXES

Reclamation Site Mix

Milestone, Stinger, Transline, Plateau, Imazapyr—Tolerant Mix

6.964 PLS #s. 31 Species.

Grasses: Big Bluestem (0.5), Indiangrass (0.25), Little Bluestem (1.5), Sideoats Grama (1.25), Switchgrass (0.5) **Wildflowers/Legumes:** Alsike Clover (0.05), Blackeyed Susan (0.105), Brown-eyed Susan (0.07), Butter-fly Milkweed (0.03), Evening Primrose (0.04), Common Milkweed (0.03), Crimson Clover (0.4), Culvers Root (0.002), Cup Plant (0.02), False Sunflower (0.2), Foxglove Beardtongue (0.01), Golden Alexanders (0.025), Grayhead coneflower (0.06), Hoary Vervain (0.025), IL Bundleflower (0.5), Korean Lespedeza (0.1), Ladino Clover (0.03), Lanceleaf Coreopsis (0.4), New England Aster (0.032), Partridge Pea (0.5), Purple Coneflower (0.2), Smooth Blue Aster (0.015), Stiff Goldenrod (0.03), Swamp Milkweed (0.03), Mountain Mint (0.01), Wild Bergamot (0.05).

Monarch Mayhem Mix

3.05 PLS #s. 27 Species.

Grasses: Little Bluestem (0.65), Prairie Dropseed (0.05) **Wildflowers/Legumes:** Golden Alexander (0.07), Heath Aster (0.005), New England Aster (0.025), Smooth Blue Aster (0.019), Foxglove Beardtongue (0.017), Wild Bergamot (0.056), Prairie Blazingstar (0.01), Yellow Coneflower (0.1), Purple Coneflower (0.375), Cul-vers Root (0.0055), Showy Goldenrod (0.01), Stiff Goldenrod (0.04), IL Bundleflower (0.363), Purple Joe Pye Weed (0.0375), Butterfly Milkweed (0.18), Common Milkweed (0.18), Showy Milkweed (0.031), Mountain Mint (0.005), Narrowleaf Mountain Mint (0.0045), Partridge Pea (0.5), Purple Prairie Clover (0.16), White Prairie Clover (0.05), Rosinweed (0.01), Ohio Spiderwort (0.03), Blackeyed Susan (0.0625).

Wildflower Inter-seeding Mix

1.5 PLS #s. 19 Species.

Wildflowers/Legumes: Foxglove Beardtongue (0.01), Wild Bergamot (0.02), Prairie Cinquefoil (0.01), Purple Coneflower (0.25), Lanceleaf Coreopsis (0.05), Evening Primrose (0.02), Gray Goldenrod (0.003), IL Bundleflower (0.5), Canada Milkvetch (0.05), Common Milkweed (0.02), Narrowleaf Mountain Mint (0.002), Partridge Pea (0.25), Purple Prairie Clover (0.1), White Prairie Clover (0.05), Seedbox (0.001), False Sunflower (0.1), Blackeyed Susan (0.063), Blue Vervain (0.02), Crimson Clover (0.2).

Logging Road—Shade Tolerant Mix

4.05 PLS #s. 11 Species.

Grasses: Timothy (0.2), Perennial Rye grass (0.3), Orchardgrass (0.3) **Wildflowers/Legumes:** Chickory (0.2), Alsike Clover (0.5), Arrowleaf Clover (0.6), Berseem Clover (0.6), Crimson Clover (0.3), Ladino Clover (0.5), Dutch White Clover (0.5), Brown-eyed Susan (0.05).

Wildlife Firebreak Mix

7.0 PLS #s. 6 Species.

Legumes: Alfalfa (1.5), Alsike Clover (0.5), Crimson Clover (3.0), Ladino Clover (0.5).

HIGH QUALITY HABITAT

Establishment and Management Guidelines

Step 1: Planning and Site Preparation

Step 2: Seeding Timing and Methods

Step 3: Management

STEP 1: PLANNING AND SITE PREPARATION

****SITE PREP IS THE MOST IMPORTANT ASPECT OF YOUR PROJECT****

What is currently growing on the site?

- Most rights-of-way conversion projects will need multiple applications of herbicide and potentially brush-clearing if grasses / weeds / brush currently exist in project area
- Spray in spring, summer, and/or fall when vegetation is green and actively growing
- Spray, spray, and spray again until existing vegetation completely eradicated
- Keep in mind, habitat seed mixes should be planted in areas with good sunlight
- Once area is cleared and sprayed, the excess litter must be removed
 - Must have 50% bare ground
 - Litter can be removed by burning or raking
 - If burning or raking isn't an option, ground can be lightly worked
 - Lightly work top 1" of soil
 - Working ground will cause vegetation flush – wait 2-4 weeks then spray again

STEP 1: SEEDING TIMING AND METHODS

- Best timing for planting seed mixes?
- November 15 – Ground Freeze (early December)
- Use a No-till Native Seed Drill for fall dormant seedings
 - Use filler / carrier (rice hulls, cracked corn, oats); filler should be mixed with the large fluffy seed. Do not mix filler with the small seed
 - Large seed goes in the agitator grass box on the drill
 - Small seed goes in the forb box on the drill
 - Set drill to reduced settings
 - Set drill to shallow depth settings; you should see some seed on top of ground during seeding

*All mixes subject to species market price
and availability at the time of order*

www.pfhabitatstore.com



NEED TECHNICAL ASSISTANCE

Our Mission is Habitat, so let us help you with yours.

If you're looking for help in designing high quality habitat mixes, give us a call at 866-914-7373.

Aaron Kuehl (Director of Seed Operations): ext 1.

akuehl@pheasantsforever.org

Jason Bleich (Conservation Specialist): ext 2.

jbleich@pheasantsforever.org

Additionally Pheasants Forever and Quail Forever Wildlife Biologists are available in many local areas to provide detailed technical assistance for your habitat project.

"Find a Biologist" at www.pheasantsforever.org/Biologist

ROADSIDE & RAILWAY MIXES

Looking for a showy mix designed to provide great habitat for pollinators, especially Monarchs, while reducing maintenance costs? Also great for bike paths, rest stops, and parking areas.

Eastern US Pollinator Mix

3.323 PLS #s. 21 Species.

Grasses: Switchgrass (0.1), Sideoats Grama (0.25), Little Bluestem (0.25) **Wildflowers/**

Legumes: New Eng-land Aster (0.016), Wild Bergamot (0.05), Alsike Clover (0.05), Crimson Clover (0.4), Ladino Clover (0.05), Grayhead Coneflower (0.06), Purple Coneflower (0.2), Lanceleaf Coreopsis (0.4), Culvers Root (0.002), Stiff Goldenrod (0.03), IL Bundleflower (0.5), Butterfly Milkweed (0.03), Common Milkweed (0.03), Swamp Milk-weed (0.03), Partridge Pea (0.5), False Sunflower (0.2), Black-eyed Susan (0.105), Brown-eyed Susan (0.07).

Midwest Pollinator Mix

3.19 PLS #s. 27 Species.

Grasses: Little Bluestem (0.35), Rough Dropseed (0.04), Sand Dropseed (0.002), Prairie Junegrass (0.01), Sideoats Grama (0.25) **Wildflowers/Legumes:** Smooth Blue Aster (0.02), Foxglove

Beardtongue (0.015), Wild Bergamot (0.04), Yellow Coneflower (0.03), Purple Coneflower (0.15), Lanceleaf Coreopsis (0.32), Even-ing Primrose (0.052), Gray Goldenrod (0.002), Stiff Goldenrod (0.02), IL Bundleflower (0.25), White Wild Indigo (0.01), Leadplant (0.05), Wild Lupine (0.6), Canada Milkvetch (0.24), Butterfly Milkweed (0.031), Com-mon Milkweed (0.05), Partridge Pea (0.26), Purple Prairie Clover (0.25), Blackeyed Susan (0.063), Browneyed Susan (0.05), Hoary Vervain (0.031), Crimson Clover (0.2).

Plateau Tolerant Mix

4.71 PLS #s. 17 Species.

Grasses: Little Bluestem (0.7), Sideoats grama (0.8), Wildrye, Canada (0.92) **Wildflowers/**

Legumes: Berga-mot, Wild (0.03), Clover, Purple Prairie (0.1), Clover, Crimson (0.5), Coneflower, Yellow (0.05), Milk vetch, Canada (0.1), Coneflower, Purple (0.2), Coreopsis, Lanceleaf (0.1), Illinois Bundleflower (0.4), Milkweed, Butterfly (0.03), Milkweed, Common (0.03), Partridge Pea (0.2), Susan, Black-eyed (0.063), Clover, White Prairie (0.04), Sunflower, False (0.05).



COMMUNITY & MARQUEE MIXES

Visually attractive mix of native grasses and wildflowers providing habitat for pollinators and upland wildlife while adding a splash of color to your marquee, business, park, schoolyard project or backyard.

Shortgrass Mix

2.28 PLS #s. 28 Species.

Grasses: Blue Grama (0.1), Little Bluestem (0.55), Rough Dropseed (0.04), Prairie Junegrass (0.05), Sideoats Grama (0.5) **Wildflowers/Legumes:** Heath Aster (0.003), Wild Bergamot (0.032), False Boneset (0.001), Prairie Cinquefoil (0.005), Yellow Coneflower (0.025), Purple Coneflower (0.1), Lanceleaf Coreopsis (0.15), Culvers Root (0.001), Evening Primrose (0.03), Gray Goldenrod (0.001), IL Bundleflower (0.15), Leadplant (0.01), Canada Milkvetch (0.05), Butterfly Milkweed (0.02), Common Milkweed (0.02), Narrowleaf Mountain Mint (0.001), Partridge Pea (0.2), Purple Prairie Clover (0.1), Seedbox (0.003), False Sunflower (0.05), Blackeyed Susan (0.063), Hoary Vervain (0.012), Crimson Clover (0.2).

Tallgrass Mix

2.33 PLS #s. 29 Species.

Grasses: Big Bluestem (0.3), Little Bluestem (0.51), Rough Dropseed (0.04), Indiangrass (0.1), Prairie Junegrass (0.05), Switchgrass (0.3) **Wildflowers/Legumes:** Heath Aster (0.003), Wild Bergamot (0.032), False Boneset (0.001), Prairie Cinquefoil (0.005), Yellow Coneflower (0.025), Purple Coneflower (0.1), Lance-leaf Coreopsis (0.15), Culvers Root (0.001), Evening Primrose (0.03), Gray Goldenrod (0.001), IL Bundleflow-er (0.15), Leadplant (0.01), Canada Milkvetch (0.05), Butterfly Milkweed (0.02), Common Milkweed (0.02), Narrowleaf Mountain Mint (0.001), Partridge Pea (0.2), Purple Prairie Clover (0.1), Seedbox (0.003), False Sunflower (0.05), Blackeyed Susan (0.063), Hoary Vervain (0.012),, Crimson Clover (0.2).

Pollinator Mix

3.19 PLS #s. 27 Species.

Grasses: Little Bluestem (0.35), Rough Dropseed (0.04), Sand Dropseed (0.002), Prairie Junegrass (0.01), Sideoats Grama (0.25) **Wildflowers/Legumes:** Smooth Blue Aster (0.02), Foxglove Beardtongue (0.015), Wild Bergamot (0.04), Yellow Coneflower (0.03), Purple Coneflower (0.15), Lanceleaf Coreopsis (0.32), Evening Primrose (0.052), Gray Goldenrod (0.002), Stiff Goldenrod (0.02), IL Bundleflower (0.25), White Wild Indigo (0.01), Leadplant (0.05), Wild Lupine (0.6), Canada Milkvetch (0.24), Butterfly Milkweed (0.031), Common Milkweed (0.05), Partridge Pea (0.26), Purple Prairie Clover (0.25), Blackeyed Susan (0.063), Browneyed Susan (0.05), Hoary Vervain (0.031), Crimson Clover (0.2).

HIGH QUALITY HABITAT

Establishment and Management Guidelines

GROUND FREEZE - EARLY MARCH

- Use an Airflow Seeder, Broadcast Seeder, Fertilizer Spreader
 - Use an Airflow Seeder, Broadcast Seeder, Fertilizer Spreader
 - Mix all seed with 100 - 150 lbs/acre of Potash
 - Must be mostly bare ground for seed-to-soil contact
 - Best times: Frozen morning with surface thaw in afternoon
- Frozen morning prior to light rain or snow

APRIL - EARLY JUNE

- No-till Native Seed Drill
 - Refer to drilled seeding directions on previous page
- Use an Airflow Seeder, Broadcast Seeder, Fertilizer Spreader
 - Mix all seed with 100 - 150 lbs/acre of Potash
 - Roll / cultipack / harrow field after broadcasting
 - Must be mostly bare ground for seed-to-soil contact

STEP 3 - MANAGEMENT

Year 1: Don't expect your pollinator seeding to look great in Year 1. During this time, native seedlings put most of their energy into root development and will most likely not grow more than a few inches. Some seed sits in the ground for a year before germinating

- During the first growing season, you may mow once or twice to suppress weed pressure
 - Mowing once in June and once in July pending weather
 - MOW AS HIGH AS POSSIBLE (12"-16")
 - Do not mow after the mid-August

Year 2 - 3: Pollinator establishment should be coming along. Once pollinator stand is well-established, start management

- Prescribed burning is the BEST management option. If burning is not feasible, use other IVM management techniques



TRANSMISSION LINE & PIPELINE MIXES

These mixes have been designed to provide quality habitat for pollinators and other wildlife while also enabling managers the flexibility for chemical control of potential weed pressure.

Pipeline Mix (applicable for transmission lines) - Meets FERC Standards

Plateau, Imazapyr—Tolerant Mix (but will kill cool season grass in mix)

6.65 PLS #s. 33 Species.

Grasses: Big Bluestem (0.1), Canada Wildrye (1.0), Little Bluestem (0.9), Orchardgrass (0.3), Purple Top (0.2), Sideoats Grama (0.8), Switchgrass (0.1), Timothy (0.2) **Wildflowers/Legumes:** Alsike Clover (0.05), Black-eyed Susan (0.105), Brown-eyed Susan (0.07), Butterfly Milkweed (0.03), Evening Primrose (0.04), Common Milkweed (0.03), Crimson Clover (0.4), Culvers Root (0.005), False Sunflower (0.2), Foxglove Beardtongue (0.02), Golden Alexander (0.03), Grayhead Coneflower (0.06), Hoary Vervain (0.03), IL Bundleflower (0.5), Ladino Clover (0.06), Lanceleaf Coreopsis (0.4), New England Aster (0.04), Partridge Pea (0.5), Purple Cone-flower (0.25), Purple Prairie Clover (0.1), Smooth Blue Aster (0.02), Stiff Goldenrod (0.03), Swamp Milkweed (0.03), Mountain Mint (0.01), Wild Bergamot (0.04).

IVM Transmission Line Mix (applicable for pipelines)

Milestone, Stinger, Transline, Plateau, Imazapyr—Tolerant Mix

6.964 PLS #s. 31 Species.

Grasses: Big Bluestem (0.5), Indiangrass (0.25), Little Bluestem (1.5), Sideoats Grama (1.25), Switchgrass (0.5) **Wildflowers/Legumes:** Alsike Clover (0.05), Blackeyed Susan (0.105), Browneyed Susan (0.07), Butter-fly Milkweed (0.03), Evening Primrose (0.04), Common Milkweed (0.03), Crimson Clover (0.4), Culvers Root (0.002), Cup Plant (0.02), False Sunflower (0.2), Foxglove Beardtongue (0.01), Golden Alexanders (0.025), Grayhead coneflower (0.06), Hoary Vervain (0.025), IL Bundleflower (0.5), Korean Lespedeza (0.1), Ladino Clover (0.03), Lanceleaf Coreopsis (0.4), New England Aster (0.032), Partridge Pea (0.5), Purple Coneflower (0.2), Smooth Blue Aster (0.015), Stiff Goldenrod (0.03), Swamp Milkweed (0.03), Mountain Mint (0.01), Wild Bergamot (0.05).

IVM Transmission Line Wet Soils Mix (applicable for pipelines)

9.616 PLS #s. 29 Species.

Grasses: Big Bluestem (0.5), Indiangrass (0.25), Canada Wildrye (3.0), Virginia Wildrye (3.0), Switchgrass (0.5) **Wildflowers/Legumes:** Alsike Clover (0.05), Blackeyed Susan (0.105), Browneyed Susan (0.1), Wild Senna (0.5), Cardinal Flower (0.01), Common Milkweed (0.03), Crimson Clover (0.4), Culvers Root (0.002), Cup Plant (0.02), Foxglove Beardtongue (0.01), Golden Alexanders (0.025), Blue Vervain (0.03), Great Blue Lobelia (0.004), Korean Lespedeza (0.1), Ladino Clover (0.03), Joe Pyeweed (0.02), New England Aster (0.04), Partridge Pea (0.5), Purple Coneflower (0.3), Smooth Blue Aster (0.015), Riddells Goldenrod (0.015), Swamp Milkweed (0.03), Mountain Mint (0.01), Sneezeweed (0.02).

Order by phone: 866-914-7373
or visit (24/7) www.pfhabitatstore.com

SOLAR FARM MIXES

Designed to provide pollinator-friendly habitat with a short structure which does not reduce solar array potential and reduces long term maintenance requirements.

Solar Farm Array-Area Mix (24" - 30" Average Height)

6.085 PLS #s. 19 Species.

Grasses: Blue Grama (0.1), Little Bluestem (0.55), Rough Dropseed (0.04), Prairie Junegrass (0.05), Sideoats Grama (0.5) **Wildflowers/Legumes:** Golden Alexanders (0.1), Lanceleaf Coreopsis (0.4), Canada Milkvech (0.1), Butterfly Milkweed (0.3), Common Milk-weed (0.2), Virginia Mountain Mint (0.02), Plains Coreopsis (0.15), Purple Prairie Clover (0.4), White Prairie Clover (0.3), Ohio Spiderwort (0.1), Upright Prairie Coneflower (0.025), Alfalfa (0.5), Alsike Clover (0.25), Crimson Clover (1.5), Ladino White Clover (0.25), Korean Lespedeza (0.25)

Solar Farm Array-Area Short Mix (16" - 24" Average Height)

4.62 PLS #s. 29 Species.

Grasses: Blue Grama (0.3), Prairie Junegrass (0.22) **Wildflowers/Legumes:** Golden Alexanders (0.1), Purple Prairie Clover (0.4), White Prairie Clover (0.3), Butterfly (0.3), Ladino Clover (1.0), Korean Lespedeza (2.0).

Solar Farm Array Perimeter Buffer Mix

2.33 PLS #s. 29 Species.

Grasses: Big Bluestem (0.3), Little Bluestem (0.51), Rough Dropseed (0.04), Indiangrass (0.1), Prairie Junegrass (0.05), Switchgrass (0.3) **Wildflowers/Legumes:** Heath Aster (0.003), Wild Bergamot (0.032), False Boneset (0.001), Prairie Cinquefoil (0.005), Yellow Coneflower (0.025), Purple Coneflower (0.1), Lance-leaf Coreopsis (0.15), Culvers Root (0.001), Evening Primrose (0.03), Gray Goldenrod (0.001), IL Bundleflower (0.15), Leadplant (0.01), Canada Milkvech (0.05), Butterfly Milkweed (0.02), Common Milkweed (0.02), Narrowleaf Mountain Mint (0.001), Partridge Pea (0.2), Purple Prairie Clover (0.1), Seedbox (0.003), False Sunflower (0.05), Blackeyed Susan (0.063), Hoary Vervain (0.012),., Crimson Clover (0.2).

