



By Zoe Roane-Hopkins

SUNNY & DRY

This design focuses on planting in a rectangular lot that is predominantly sunny and dry with some surrounding trees. It aims to create privacy from adjacent neighbors and to attract butterflies. A central lawn space is kept in the back and smaller lawn is kept in the front.

WHAT'S IN THIS GUIDE, ANYWAY?

Existing Conditions

Before looking at the planting design, we need to see what that design may be responding to.
The existing conditions of the yard show problems and desires that may be remedied in the design.

Planting Template & Phasing

A suggested planting layout that can (and should be) modified for your own yard and a phasing diagram that breaks down the design into manageable phases that you can implement over time.

Species Suggestions

A list of all plants in the design and some of their characteristics are organized into a handy chart for you to reference. You can use these characteristics to search for similar plants if you want to change things up.

Planting & Maintenance

Additional tips for planting design and a four-season timeline for implementing and maintaining your new garden.

How to Read the Plant List

Common Name Bloom & Color This is the name most often used. Some Range of months when the flower is in bloom and Wildlife Value Use For species have multiple common names. Use the scientific name to see if two common color of the blooms. Environmental benefits of Best use for the species, names refer to the same plant. the plant these include: including: Scientific Name **Butterflies** Pollinator garden Seasonal Interest Shade garden Use the scientific name Mentions if there is Wet area to look up information on visual appeal during fall **Pollinators Erosion control** a specific species to make and/or winter and what part of the plant supplies Ground cover sure the facts you find Songbirds Fall interest match the plant you are the interest. Winter interest actually looking up. Hummingbirds Privacy screen **APPEARANCE ENVIRONMENT** USES **NOTES** Tolerates dry soil Threadleaved coreopsis Bloom May-Jun Light () and drought. Low maintenance. Will flop Coreopsis verti**d**ilata Color **Light** Water 💍 over in soil that is too rich. Orange Height 2-3' Pollinator garden, HZ **5-9** Seasonal Fall Spread 2-3' Soil C L S erosion control, For Interest texture accent Species Type Hardiness Zones Light Water Soil The temperature Shows the light Shows the wetness of the Describes the general zone(s) that plant is preferences of a plant. soil that the species prefers. texture of soil the plant likes. most well-adapted to. O Full sun **CLAY** Fine Less water PA's HZ range is 5-6. LOAM Average Partial sun/shade Average water SAND Gritty Grass/Grass-like Full shade Height & Spread Lots of water A range for how high the plant gets and how wide

the plant spreads over

the ground.

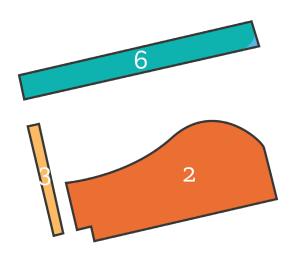
EXISTING CONDITIONS

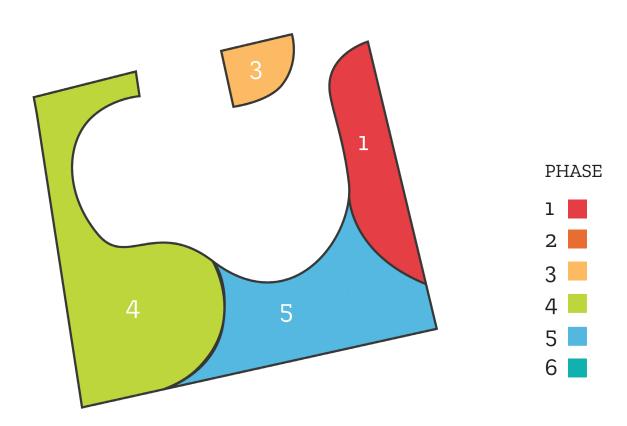


PLANTING TEMPLATE A LARELINE Wild blue phlox -Pennsylvania sedge ·Wild blue phlox Wild columbine ·Blue false indigo Threadleaved-coreopsis Christmas fern -Oxeye sunflowe -Wild lupine Eastern red cedar Arkansas bluestar -Prairie dropseed Threadleaved coreopsis Butterfly weed Butterfly weed Wild lupine Fragrant sumac Common coreopsis -Serviceberry

DESIGN PHASING

Breaking down the whole design into smaller, manageable planting beds allows costs and labor to be spread out over time. This diagram shows a suggested order of planting, starting with Phase 1. The idea of the order is to continue filling in your yard without leaving awkward spaces during installation of different phases. Of course, you can really do these in any order you choose. Or, if you're feeling ambitious and want to do it all at once, go right ahead! Just make sure you're planting in late spring (after the mud) or early fall (before the freeze).

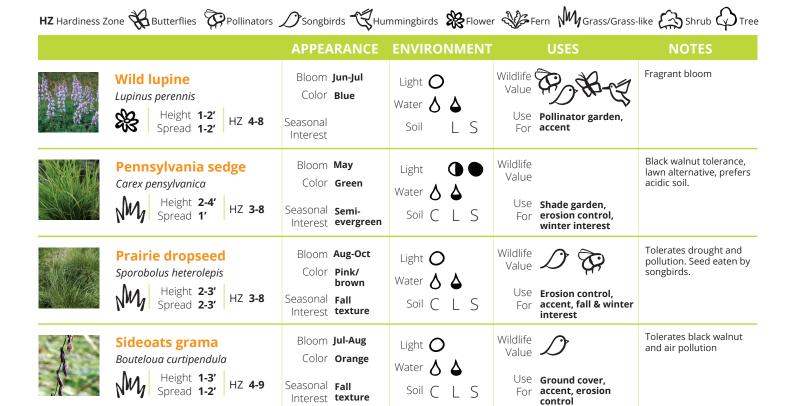




SPECIES LIST

Browse this list at your leisure but keep in mind that these are just suggestions! There are so many wonderful plants out there, and it's up to you to understand your yard's conditions and to pick the plants that work best with the soil and surrounding environment. Just remember to keep it native!

FLOWERS, FERNS, AND GRASSES/SEDGES									
		APPEARANCE	ENVIRONMENT	USES	NOTES				
	Anise hyssop Agastache foeniculum Height 2-4' Spread 2-3' HZ 4-8	Bloom Jul-Sep Color Purple Seasonal Interest	Light 🔿 🐧 Water 👌 🍐 Soil C L S	Wildlife Value Pollinator garden	Drought tolerant, requires good drainage, has aromatic foliage				
	Arkansas blue star Amsonia hubrichii Height 2-3' Spread 2-3' HZ 3-8	Bloom Apr-May Color Powdery blue Seasonal Golden leaf Interest in fall	Light 🔾 🗘 Water 👃 Soil L	Wildlife Value Use Pollinators, fall interest	Deer resistant				
	Blue false indigo Baptisia australis Height 3-4' HZ 3-9 Spread 3-4'	Bloom May-Jun Color Blue/ purple Seasonal Interest	Light 🔿 🐧 Water 🍐 Soil C L	Wildlife Value Use Pollinator garden, erosion control	Deep root system. Do not disturb once planted.				
	Asclepias tuberosa Height 1-3' Spread 1-2' HZ 3-9	Bloom Jun-Aug Color Orange Seasonal Interest	Light O Water \(\Delta \) Soil	Wildlife Value Use Pollinator garden, erosion control	Tolerates clay soil and drought				
	Common milkweed Asclepias syriaca Height 2-3' HZ 3-9 Spread 1-2'	Bloom Jul-Aug Color Pink Seasonal Seed pod Interest	Light O Water \(\Lambda \) Soil C L	Wildlife Value Use For Pollinator garden	Tolerates dry soil, host for monarch caterpillars and butterflies				
**	Oxeye sunflower Heliopsis helianthoides Height 3-6' Spread 2-4' HZ 3-9	Bloom Jun-Aug Color Yellow Seasonal Interest	Light 🔿 🐧 Water 👌 🍐 Soil C L S	Wildlife Value Shade garden, erosion control, accent	Prefers moist soil but tolerates dry, clay. Unpalatable to deer. Supports variety of pollinators and birds.				
	Threadleaved coreopsis Coreopsis verticillata Height 2-3' Spread 2-3' HZ 3-9	Bloom May-Jun Color Yellow Seasonal Fall Interest texture	Light O Water & Soil C L	Wildlife Value Use For Pollinator garden, erosion control, accent	Tolerates dry soil and drought. Low maintenance. Will flop over in soil that is too rich.				
	Wild blue phlox Phlox divaricata Height 1' Spread 1' HZ 3-8	Bloom Apr-May Color Light blue Seasonal Interest	Light	Wildlife Value Shade garden, ground cover	Needs good air circulation. Nectar supports swallowtail butterflies, sphinx moths and hummingbirds.				
	Wild columbine Aquilegia canadensis Height 1-3' HZ 3-9 Spread 1-2'	Bloom Apr-May Color Red/ orange Seasonal Interest	Light 🔾 🗘 🌑 Water 🍐 Soil C L S	Wildlife Value Use Shade garden, For accent	Tolerant of drought and basic soil. Caterpillar host. Does best in partial sun.				



SHRUBS AND TREES									
		APPEARANCE	ENVIRONMENT	USES	NOTES				
	Fragrant sumac Rhus aromatica Height 2-6' Spread 6-10' HZ 3-9	Bloom Apr Color Yellow	Light 🔿 🛈 Water 🔥 🛕	Wildlife Value Value	Tolerates wide range of soils and black walnut. Fragrant leaf.				
		Seasonal Fall color Interest	Soil C L S	Use Erosion control For Ground cover, fall interest					
	Eastern red cedar Juniperus virginiana Height 30-65' HZ 2-9 Spread 8-25'	Bloom Color	Light O Water	Wildlife Value	Tolerates Black walnut				
		Seasonal Evergreen Interest	Soil L S	Use Winter interest, For privacy screen					
	Serviceberry Amelanchier arborea Height 15-25' Spread 15-25' HZ 4-9	Bloom Mar-Apr Color White	Light O	Wildlife O	Tolerates air pollution and clay soil. Fruit attracts many birds and i				
		Seasonal Interest	Soil C L S	Use Accent, fall interest For	edible by humans.				

ADDITIONAL TIPS

BEFORE

Do a Percolation Test

Soil drainage is a pretty good indicator of what can live in your yard. To test how your yard drains, dig a hole one foot deep and one foot wide. Place a measuring stick in the hole to make sure it's a foot deep. Fill up the hole once or twice to saturate the soil. Then fill it up again and watch how fast the water level drops. If it disappears quickly, within 5 or 10 minutes, you probably have sandy or loamy soil that drains well. If it takes over a day, your soil probably has lots of clay.

Making Amendments

To improve the drainage and increase the available nutrients in your soil, amend it with local compost and sand. Use a flat-edged spade to scoop up the soil and mix in the amendments to at least six inches for smaller plants and up to 18 inches for trees and shrubs. This can be done in the fall before planting so the soil is fully mixed by spring. Also consider getting your soil tested to see what kind of nutrients are already in your soil.



Plant in Layers

Weeds grow where they see an opportunity to grow. Covering bare ground by layering ground cover species with upright and mounding plants creates a fuller, richer garden while also reducing the amount of space where weeds can grow.

Accent Plants

While this planting design shows plants in distinctive patches, it's a good idea to add some accent plants with a contrasting texture or color to make your garden really pop.

A FEW SUGGESTIONS INCLUDE:

Blazing star Anise hyssop Liastris spicata Agastache foeniculum

Purple coneflower **Orange coneflower** Echinacea purpurea Rudbeckia fulgida

Live & Let Live (Or Die)

A successful garden requires plants that can thrive in your yard. So if you plant something and it dies, don't try to resuscitate it. Do a little research as to why it didn't survive and try a new plant. Conversely, if a particular species is doing well and spreading past its original area, let it happen. It's clearly quite content in your yard.

A FOUR SEASON TASK CALENDAR

FALL

Site Analysis

Observe your yard's existing conditions and make a map of the environmental factors that will impact your plant choices. (Where is it sunny, wet, shady, dry, etc.)

Check the Soil

Test your soil's pH and percolation to see what kind of plants will thrive in your yard.

Get the Beds Ready

Mark out your beds with twine and stakes, dig up the turf, and amend the soil as needed.

Identify generally how you want to lay out your plants to get a sense of how many plants you want to buy.

SPRING

Buy & Plant your plants!

The number of plants you need will depend on the type and size of the stock. Typically, you will buy landscape plugs or containers. Many nursery websites have recommendations for how far apart to space your plants.

Adding a 1.5 to 2-inch layer of mulch after planting can retain more soil moisture and prevents weeds from taking over your new bed. Just keep the mulch away from stems and trunks to prevent rotting.

GARDEN PRIDE

Show off your new garden with an official sign!

POLLINATOR Xereces Society

HABITAT SIGN Xerces.org/pollinatorhabitatsign

CERTIFIED National Wildlife Federation

Nwf.org/CertifiedWildlifeHabitat

WINTER

Start designing

Use the Lawn Gone Native templates as a starting point and modify to fit your yard and personal goals

Find Your Plants

Scout out nearby nurseries that carry native plants. You may not be able to find every plant you're looking for, but that's just an opportunity to find some new plants!

SUMMER

New Garden Maintenance

Newly planted plants often need regular watering until established. This is especially important in the summer as heat puts additional stress on a plant while trying to establish its root system.

Observe Your Growing Garden

Watch how your garden grows. Remember that plants are living things that grow, change, and spread. They aren't going to stay exactly where you put them. And if you see a nibble on a leaf, get excited because that means your garden is part of the local ecosystem!

INFORMATION SOURCES

Missouri Botanical Garden

Missouribotanicalgarden.org/plantfinder

Good for looking up the basic qualities of many native plants that are also found in PA

North Creek Nurseries

Northcreeknurseries.com

A Pennsylvania native plant nursery with some information on species

New Moon Nursery

Newmoonnurserv.com

Has a wonderful comprehensive description of most herbaceous perennial flowers, grasses, and grasss-likes

Ladybird Johnson Wildflower Center *Wildflower.org/plants/*

Another great resource with helpful information on many species

IMAGE SOURCES

IMAGES FROM FLICKR.COM

Anise hyssop (Agastache foeniculum) Chipmunk_1, Flickr.com

Wild blue phlox (Phlox divaricata)

Eruturon, Flickr.com

Blue false indigo (Baptisia australis) Suzanne Cadwell, Flickr.com

Eastern red cedar (Juniperus virginiana) 5u5, Flickr.com

Oxeye sunflower (Heliopsis helianthoides) Joshua Mayer, Flickr.com

Sideoats grama (Bouteloua curtipendula) Aaron Carlson, Flickr.com IMAGES FROM BUGWOOD.ORG

Wild lupine (Lupinus perennis)

Steven Katovich, USDA Forest Service, Bugwood.org

Fragrant sumac (Rhus aromatica)

James H. Miller, USDA Forest Service, Bugwood.org

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LAWN GONE NATIVE

Growing the suburban wild, one yard at a time

AN HONORS THESIS PROJECT

Вγ

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