



D.I.Y. Home Pollinator Garden



Why?

Whether a pollinator garden seems adventurous or daunting, it is a very easy project to help support local pollinators and other animals. The gardens are typically aesthetically appealing and easy to maintain. With pollinators declining worldwide, it is important that we all do our part and consider building our own today! Giving these lovely creatures a place to nest and feed will help support and sustain pollinator populations.

Benefits:

A simple native flower garden will attract butterflies, bees, bats, hummingbirds, and many other local critters. An estimate 75% to 95% of all flowering plants depend on pollinators. Supporting pollinator populations helps support healthy ecosystems, clean the air, support other wildlife, and stabilizes soil. Did you know that one out of every three bites of food you take is because of the work of these pollinators? Pollinators are responsible for adding 217 billion dollars to the global economy. Honey bees are responsible for adding between 1.2 and 5.4 billion dollars to the United States economy alone.

Example Layout:



6-8 inches in plant height



2-3ft in plant height



4-6ft in plant height

Materials needed:

Pressure treated lumber (for raised bed), soil, hand cultivator (if planting in the ground), & plants.

Possible Native Plants:

Goldenrod, Firepink, Veronicas, Butterfly weed ... plenty of options! Ask your local nursery!

Care for Plants:

Make sure plants have not been treated with any pesticides; pesticides will kill the pollinators. Native plants require less maintenance. If planting in raised beds, place extra soil around the plants. Do not use mulch. Weeds in your garden will help naturally fight off potential pests.

Location:

Sunny area with some wind protection. Provide sticks for pollinators to rest on garden floor.

Recommended Size for

Raised Beds:

5ft in width and 8ft in length. Length can be adjusted. Beds should be at least 1-3ft deep. You will need 1-3 yards of soil.

Native Pollinator Plants Guide for Garden Layout

When designing your home pollinator garden it is important to have a mix of different plants with variations of color to attract different pollinators. When planting the native plants, never be the same plant next to each other. In each raised bed place plants blooming from the month of April to October. This ensures that there will be a pollinator plant in bloom every season for the pollinators.

Bed Flow Examples:

First row:

Plants:	Height:	Bloom Seasons:	Color:
Iris cristata (Dwarf Crest Iris)	6-8 inches	April	Purple
Oenothera fremontii 'Lemon silver'	6 inches	June – September	Yellow

Second row:

Plants:	Height:	Bloom Seasons:	Color:
Eupatorium dubium 'Baby Joe'	2-3 feet	June – October	Pink
Chelone glabra (Turtlehead)	2-3 feet	July – October	White/ Pink/ Purple
Rudbeckia fulgida (Deam's Coneflower)	2-3 feet	July – November	Yellow
Baptisia 'Purple Smoke'	3 feet	April – May	Blue

Third row:

Plants:	Height:	Bloom Seasons:	Color:
Penstemon digitalis (Beard Tongue)	3-5 feet	April – June	White
Rudbeckia maxima (Giant Coneflower)	6 feet	July – September	Yellow
Delphinium exaltatum (Tall Larkspur)	4-6 feet	June – September	Purple
Lobelia cardinalis 'Black Truffle'	4 feet	July – September	Red

Sample Design Plans

First Row Options: (6-8 Inches)

<u>Flow Type:</u>	<u>Size</u>	<u>Bloom Season</u>	<u>Color</u>
Coreopsis auriculata 'Nana' (Mouse Ear Coreopsis)	8 in	May-July	Orange
Iris cristata (Dwarf Crest Iris)	6-8in	April	Purple
Oenothera fremontii 'Lemon silver'	6 in	June-Sept	Yellow
Phlox stolonifera (Creeping Phlox)	6-8in	April-June	Pink
Sedum ternatum 'Cherry Tart Sunsparkler'	6in	July-Oct	Pink
Silene caroliniana 'Short and sweet' (Wild Pinks)	8in	May-June	Dark Pink
Sisyrinchium angustifolium 'Suwannee' (Blue-eyed grass)	8in	May-August	Sky Blue
Chrysogonum virginianum 'Pierre' (Gold Star)	6 in	May-October	Yellow
Coreopsis auriculata 'Nana' (Mouse Ear Coreopsis)	8in	May-July	Orange

Second Row Options: (2-3ft) (24-36in)

<u>Flow Type:</u>	<u>Size</u>	<u>Bloom Season</u>	<u>Color</u>
Eupatorium coelestinum (Mistflower)	24 in	August- October	Blue
Liatris spicata (Gayfeather)	24-36in	July-August	Purple
Agastache 'Black Adder' (Hyssop)	2-3 ft	June-Sept	Blue
Agastache foeniculum 'Golden Jubilee'	2-3 ft	July-Sept	Blue/Purple
Amsonia tabernaemontana (Eastern Bluestar)	2-3 ft	April-June	Blue
Asclepias tuberosa (Butterfly Milkweed)	2 ft	May-June	Orange
Baptisia 'Carolina Moonlight' (Wild Indigo)	3 ft	May-June	Yellow
Baptisia 'Purple Smoke' (False Indigo)	3ft	April-May	Blue
Baptisia australis (False Indigo, Wild Blue Indigo)	3ft	May-July	Blue/Purple
Baptisia sphaerocarpa 'Screaming Yellow'	2-3ft	June-July	Yellow
Chelone glabra (Turtlehead)	2-3ft	July-Oct	White/Pink/Purple
Chelone lyonii 'Hot Lips' (Pink Turtlehead)	2-3ft	July-Sept	Pink
Coreopsis 'Redshift Big Bang' (Redshift tickseed)	24-36 in	June-August	Yellow/Red
Rudbeckia fulgida (Deam's Coneflower)	2-3 ft	July-November	Yellow

Rudbeckia fulgida (Coneflower)	2 ft	July-Oct	Honey Yellow
Smilacina racemosa (False Solomon's Seal)	2-3ft	April-May	White
Zizia aurea (Golden Alexander)	2-3ft	May-June	Yellow
Echinacea purpurea 'Doubledecker' (Purple Coneflower)	24-36 in	July-Oct	Purple
Echinacea purpurea 'Green Twister'	2-3ft	June-Sept	Green/Pink
Eupatorium dubium 'Baby Joe' (Dwarf Joe Pye Weed)	2-3ft	June-Oct	Pink

Third Row Options (4-6 Ft)

<u>Flow Type:</u>	<u>Size</u>	<u>Bloom Season</u>	<u>Color</u>
Delphinium exaltatum (Tall Larkspur)	4-6 ft	June-Sept	Purple
Lobelia cardinalis "Black Truffle" (Cardinal Flower)	4ft	July-Sept	Red
Lobelia cardinalis (Cardinal Flower)	3-5ft	July-Oct	Red
Vernonia noveboracensis (New York Ironweed)	3-7ft	August-Oct	Purple
Verbena hastata (American Blue Vervain)	4-6ft	June-Oct	Blue
Solidago rugosa 'Fireworks' (Wrinkle Leaf Goldenrod)	4-5ft	August-Oct	Yellow
Rudbeckia maxima (Giant Coneflower)	6ft	July-Sept	Yellow
Penstemon digitalis (Beard Tongue)	3-5ft	April-June	White
Hibiscus moscheutos (Marsh Hibiscus)	4-7ft	July-Sept	White/Pink
Eupatorium perfoliatum (Boneset)	4-6ft	July-Sept	White
Boltonia asteroides 'Snowank' (Thousand-flowered Aster)	4-5ft	Aug-Oct	White
Asclepias incarnata (Swamp Milkweed)	3-5ft	June-Aug	Pink

This guide was produced by students in Dr. Surak's fall 2018 Environmental Studies Senior Seminar class at Salisbury University. For more information visit www.salisbury.edu/PACE/ENVR