

Pollinator Challenge 2015

Based on the Penn State Extension Master Gardener certification program

Austinites are once again challenged to create wildlife-friendly yards using native plants, but with an added challenge of supporting our pollinators with specific plant palettes and garden husbandry. This year, make a home for bees, butterflies, beetles, moths, hummingbirds in your backyard. For additional resources to assist with pollinator plant species, see Lady Bird Johnson Wildflower Center's plant database at www.wildflower.org/explore or Pollinator Partnership's regional plant guides at http://pollinator.org/guides.htm.

To enter the Pollinator Challenge, submit this form to <u>wildlife@austintexas.gov</u> by 11/30/2015. Or submit the form via mail using address: Wildlife Austin, 919 W. 28 ½ St. Austin, TX 78705

Upon completion of the Challenge, please request a pre-paid

"Butterfly Crossing" sign. Sign I	may be picked up at 919 W. 28 ½ St.	BUTTERFLY
Name:		
Address of Pollinator Habitat:		CROSSING
Email:	Phone number:	
Neighborhood:	Watershed:	
	ttp://ancweb.org/anc-resources/neighborho //www.austintexas.gov/GIS/FindYourWaters	
Has your habitat already been	certified with National Wildlife Fe	deration?
If so, please provide that NWF	certification number here:	
are interested in Wildlife Austi	OT yet been certified with Nationa n mailing a pre-paid application (v nator Challenge will also fulfill the	/alued at \$20) to your





STEP 1: PROVIDE FOOD SOURCES

Nectar and Pollen Sources: Pollinators need a diversity of nectar and pollen sources to sustain them. How do you provide food for pollinators? Choose plants that provide pollen and nectar sources from early spring to late fall and with various flower shapes. Avoid hybrids and cultivars; usually native plants are the best providers of nectar and larval food. Planting in clumps rather than single plants is more attractive to pollinators.

From the lists below, select the pollinator friendly native plants that you have on your property. Check all that apply:

TREES (Check at least 4 species of trees/shrubs.)
Hackberry (Celtis spp.) larval host for butterflies, can also provide shelter
Oak (Quercus spp.) larval host for butterflies, can also provide shelter
Spring Flowering
Anacacho Orchid Tree (Bauhinia lunariodes), attracts butterflies and bees
Eve's Necklace (Styphnolobium affine) prefers well drained soil; attracts bees/nectar insects
Goldenball Leadtree (Leucaena retusa), attracts butterflies and bees
Honey Mesquite (<i>Prosopis glandulosa var. glandulosa</i>) flowers in spring and summer, insect nectar source
Mexican Buckeye (<i>Ungnadia speciosa</i>) attracts butterflies and bees
Mexican Plum (<i>Prunus Mexicana</i>) attracts butterflies, bees, larval plant
Red Buckeye (Aesculus pavia var. pavia) attracts hummingbirds
Texas Redbud (<i>Cercis canadensis var. texensis</i>) attracts bees, larval plant
Wafer Ash (<i>Ptelea trifoliate</i>) attracts butterflies also larval plant
Spring and Fall Flowering Videowygood (Everyphorettic toyong) attracts butterflies and base
Kidneywood (Eysenhardtia texana) attracts butterflies and bees
Other
<u> </u>
SHRUBS
Spring Flowering
Agarita (Mahonia trifoliolata) attracts butterflies and bees.
Cherry Sage (Salvia greggii) flowers in spring through fall, prefers well drained soil, attracts
butterflies/hummingbirds
Coralbean (Erythrina herbacea) attracts hummingbirds
Elbow Bush (Forestiera pubescens), prefers well drained soil, attracts butterflies/bees
Spicebush (Lindera benzoin) butterfly larval host plant, can provide shelter
Turk's Cap (Malvaviscus arboreus var. drummondii) flowers in spring through fall, attracts
hummingbirds/butterflies
Western White Honeysuckle (Lonicera albiflora) attracts butterflies/bees
Summer Flowering
American Beautyberry (<i>Callicarpa americana</i>) attracts bees
Bee Brush (Aloysia gratissima) attracts butterflies and bees
Buttonbush (Cephalanthus occidentalis) attracts bees/beetles/butterflies
Cenizo (Leucophyllum frutescens) flowers after rain in summer, attracts bees and hummingbirdsMealy Blue Sage (Salvia farinacea) attracts butterflies and bees
Rock Rose (<i>Pavonia lasiopetala</i>) prefers well drained soil, attracts butterflies and bees
Summer and Fall Flowering
Black Dalea (<i>Dalea frutescens</i>) attracts bees
Stack Balea (Balea natessoris) attracts beesCrimsoneyed rosemallow (Hibiscus moscheutos) attracts hummingbirds
Desert Globemallow (Sphaeralcea ambigua) attracts bees/butterflies
Flame Acanthus (<i>Anisacanthus quadrifidus</i> var. <i>wrightii</i>) attracts hummingbirds/butterflies
Texas Lantana (<i>Lantana urticoides</i>) attracts butterflies
Woolly Butterflybush (<i>Buddleja marrubiifolia</i>) attracts butterflies



Fall Flowering
Evergreen Sumac (Rhus virens) attracts butterflies and bees
Fall Aster (Aster oblongifolium) attracts butterflies, moths, bees
Jack in the Bush (<i>Chromolaena odorata</i>) attracts butterflies, moths, bees
Maximilian Sunflower (Helianthus maximiliani) attracts butterflies, bees and beetles
Shrubby Boneset (Ageratina havanensis) prefers well drained soil, attracts butterflies and moths
Other
NATIVE PERENNIAL FLOWERS, GRASSES and VINES
(Check at least 6 species, with 2 flowering in spring, 2 flowering in summer and 2 flowering in fall.)
Flowers
Spring Flowering
Antelope Horns (Asclepias asperula) attracts bees/butterflies, larval plant, prefers well drained soils
Golden Grounsel (Packera obovate) attracts butterflies
Green Milkweed (Asclepias viridis) attracts bees/butterflies, larval plant, prefers well drained soils
Gulf Coast Penstemon (Penstemon tenuis) attracts hummingbirds
Heartleaf Skullcap (Scutellaria ovata subsp. bracteata) attracts butterflies
Hill Country Penstemon (Penstemon triflorus) attracts hummingbirds
Standing Cypress (<i>Ipomopsis rubra</i>) attracts butterflies and hummingbirds; biennial
Swamp Milkweed (Asclepias incarnate) attracts bees/butterflies, larval plant, prefers moist to wet soil
Wild Bergamot (<i>Monarda fistulosa</i>) attracts butterflies and hummingbirds
Yarrow (Achillea millefolium) attracts butterflies/bees/moths. Naturalized (not a native) plant.
Spring and Summer FloweringCedar Sage (Salvia roemeriana) attracts hummingbirds
Lanceleaf Coreopsis (Coreopsis lanceolata) attracts butterflies/beetles/bees
Lancetear Corcopsis (Corcopsis lancetolata) attracts batternies/beeties/b
Missouri Filmose (<i>Schiotard missourieriols</i>) attracts butterflies/bees/hummingbirds
Red Yucca (Hesperaloe parviflora) attracts hummingbirds
Rock Penstemon (Penstemon baccharifolius) attracts hummingbirds
Spiderwort (<i>Tradescantia spp</i>) attracts bees
Twistleaf Yucca (Yucca rupicola) attracts moths, larval plant
Winecup (Callirhoe involucrate) attracts bees, larval plant
Summer Flowering
American Basketflower (Centaurea americana) attracts bees/beetles/flies/butterflies (annual)
Anise Hyssop (Agastache foeniculum) attracts butterflies/ bees/hummingbirds
Blackfoot Daisy (Melampodium leucanthum) attracts bees and butterflies
Butterflyweed (Asclepias tuberosa) attracts bees/butterflies, prefers moist soils
Illinois Bundleflower (<i>Desmanthus illinoensis</i>) attracts bees
Texas Milkweed (<i>Asclepias texana</i>) attracts bees/butterflies, larval plant, prefers well drained soils Summer and Fall Flowering
Black-Eyed Susan, (<i>Rudbeckia fulgida</i>) attracts bees/butterflies
Stack Eyed Susari, (Nadoconia raigrad) attracts bees/butterflies, moths, bees
Partidge Pea (<i>Chamaerchrista fasiculata</i>) attracts bees (annual)
Pyramid Bush (Melochia tomentosa) attracts butterflies, moths, bees
Texas Betony (Stachys coccinea) attracts hummingbirds
Zexmenia (Wedelia texana) attracts butterflies, bees
Fall Flowering
Cusp Gayfeather (Liatris mucronata) attracts bees/butterflies/hummingbirds
Frostweed (Verbesina virginica) attracts bees/butterflies/moths
Golden Eye Daisy (Viguiera dentata) attracts butterflies/ bees/ beetles/moths
Skeleton Leaf Goldeneye (Viguiera stenoloba) attracts butterflies/ bees/ beetles/moths
Spring through Fall Flowering (three seasons!)





Frogfruit (<i>Phyla nodifloraa</i>) flowers in spring and fall, attract butterflies and bees, larval plantTropical Milkweed (Asclepias curassavica) *** (native to Central/South America) flowers spring to fall, attracts
bees/butterflies, larval plant, prefers moist soils
Tropical Sage (<i>Salvia coccinea</i>) flowers in spring through fall, attracts hummingbirds/butterfliesVerbena spp, flowers in spring and fall, attracts butterflies and bees
White Guara (<i>Guara lindheimeri</i>) flowers in spring through fall, attracts butterflies/bees/hummingbirds
***MonarchWatch continues to promote Tropical Milkweed though many in the Central Texas area do not support planting
this type of milkweed as it is not as ideal as native varieties. If you do grow it, it is suggested to cut the foliage down to 3"
in early October to avoid late season breeding and reduce undesirable colonies of Ophryocystis elektroscirrha, or OE, a
protozoan disease that infects and kills Monarchs.
Vines
Spring Flowering
Carolina Jessamine (<i>Gelsemium sempervirens</i>) attracts hummingbirds
Coral Honeysuckle (<i>Lonicera sempervirens</i>) flowers in spring and summer, attracts hummingbirds
Crossvine (<i>Bignonia capreolata</i>) attracts bees and hummingbirdsPassion Vine (<i>Passiflora incarnate</i>) flowers spring and summer, attracts butterflies/bees/beetles, a larval plant
Snapdragon Vine (<i>Maurandella antirrhiniflora</i>) blooms spring through fall, larval plant, attracts butterflies/bees
Texas Wisteria (<i>Wisteria frutescens</i>) attracts butterflies, a larval plant
Summer Flowering
Trumpet Vine (Campsis radicans) attracts bees and hummingbirds
Grasses
Big Bluestem (Andropogon gerardii) larval host for butterflies, can also provide shelter
Indiangrass (Sorghastrum nutans) larval host for butterflies, can also provide shelter
Little Bluestem (Schizachyrium scoparium) larval host for butterflies, can also provide shelter
Sideoats Grama (Bouteloua curtipendula) larval host for butterflies, can also provide shelter
Oth an
Other
STEP 2: PROVIDE WATER SOURCES
(Check 1 or more)
Like all living things, pollinators need a source of water. How do you provide this in your landscape??
Birdbath
Stream
Butterfly puddling area
Garden Pond
Other
STEP 3: PROVIDE COVER FOR POLLINATORS
(Check 2 or more)
Pollinators need places to nest and to overwinter. How do you provide these in your landscape?
Spaces of bare ground
Man-made boxes
Rock pile/wall
Brush pile, Logs, Dead trees
Shrub Thicket- evergreen or deciduous
Leave garden cleanup until spring
Other





STEP 4: NUMBER OF POLLINATOR LARVAL PLANTS

(At	laast	2 n	lants)
IAL	IEasi	Z D	เสเเเจา

am	hosting	these	butterfl	v cater	pillars	s on t	hese p	lants:

Host Plant:	Butterfly Species	
Host Plant:	Butterfly Species	
Host Plant:	Butterfly Species	
Safeguard pollinator habitat by Invasive Plants: Did you know th	E GARDENING METHODS using integrated pest management practices and re at invasive plants threaten pollinator habitat by endanger	ering the native plants that
	vasive plants that move from our yards to woodlands a . We can help by not planting invasives and removing e	
How do you safeguard pollinator hI avoid acquiring invasive of the pollinator hI have removed or am remulation invasive species in the pollination in the	ornamental plants oving invasive plants currently on my property. being removed:	
pollinator gardening. Even produc Spinosad) are very toxic to pollina species and bad species and man labels. When purchasing your plan	target insects, including bees and other pollinators is ar ts approved for organic gardening (e.g. Rotenone, <i>BT</i> (tors. If a pesticide is made to kill insects it will not discri by residential and garden pesticides do not include buttents, ask the nursery if they use pesticides. If they do, as as been used. Remember, some systemic pesticides car	(Bacillus thuringiensis) and iminate between good erfly or bee toxicity on their sk what kind. If they don't
Clearly identUse less toxiAlways followNever spraySpray late in	esticides, but do all of the following: ify the pest before taking action ic pesticides such as horticultural oil and insecticidal so w label directions	ap