

CITY OF LEWISVILLE

ROOTS FOR WINGS

POLLINATOR YARD PROGRAM GUIDELINES



Effective: January 1, 2023

Lewisville 2025 laid out a vision for Lewisville, including a number of initiatives related to green space in the community. With three Big Moves touching on this topic (Green Space, Extending the Green, Sustainability), it is clear that this is a vital piece of Lewisville's unique character. With this in mind, encouraging residential gardening choices that support more natural and sustainable landscaping and habitat creation is an important way to enhance and support current public green spaces in Lewisville.

The purpose of the Roots for Wings Pollinator Garden Program (the "Program") is to focus on reducing irrigation and mowing requirements in the community by removing traditional turfgrass lawns and replacing them with native, adapted, and pollinator-friendly plants. This has multiple benefits, including water conservation, habitat creation, and neighborhood beautification.

Residents can have an officially certified "Roots for Wings Pollinator Garden" through this program, which provides a colorful, weather resistant sign to display in their yard.

For more information, contact:

City of Lewisville

Sustainability Department
151 W. Church Street
Lewisville, Texas 75056

Chris Chastain, Environmental Preserve and Greenbelt Manager
469.635.5481

<https://www.cityoflewisville.com/city-hall/city-departments/sustainability/roots-for-wings>

Pilot Program

A pilot program of the Program was rolled out in the spring of 2023, with 40 residents selected to attend the educational workshop and apply for certification of their gardens.

Eligibility

A resident is eligible to participate in the Program if they are a City of Lewisville utility customer currently in good standing.

How to Apply to Participate in the Roots for Wings Pollinator Program

Residents can apply for the Roots for Wings Pollinator Program online at <https://www.cityoflewsville.com/city-hall/city-departments/sustainability/roots-for-wings>. If you have any questions, please contact the Parks department staff by phone at 972.219.3560, or email at cchastain@cityoflewsville.com.

Application for the Program

Step 1 – Review application guidelines

Step 2 - Sign up for and attend Pollinator Garden Workshop, taught by Denton County Master Gardeners, Elm Fork Master Naturalists, and members of the Native Plant Society of Texas

Step 3- Application: complete and submit application

The application can be found at:

<http://lfforms.cityoflewsville.com/Forms/RootsforWings>

In order to apply for the program, the applicant will need to:

- Complete application form
- Provide proof of workshop attendance or waiver based on active membership in either: Denton County Master Gardeners, Elm Fork Master Naturalists, Native Plant Society of Texas
- Provide clear pictures of the designated pollinator garden area of their yard, clearly indicating placement in relation to the street/house, any border or perimeter, and clearly identifiable pictures of plants within the garden (submitted as part of the online application)
- Provide a list of plants in the designated pollinator garden area of their yard

NOTE: When planning the placement of the designated pollinator garden area, residents should consider:

- Encroachment/visibility in right-of-ways, including sidewalks and alleys
- Underground and overhead utilities

Step 4 – Application Review Process

Once submitted, the Sustainability department and Master Naturalist/Master Gardener volunteers will review the application and determine if the applicant meets Program guidelines. If the application is not complete, City staff will coordinate with the applicant to collect the necessary documentation and information.

Step 5 – Certification of Garden/Yard

Once the application has been reviewed and approved by City Staff and volunteers, it will be deemed a *Roots for Wings Certified Pollinator Garden*. At this time, the resident will receive the metal yard sign to display in their yard showing the designation.

Step 6 – Post-certification

3-year required recertification, could include consulting with City staff and/or volunteers on an as-needed basis

Annual survey sent to program participants to record any comments/notes about their experience in the program and observations regarding their registered garden, including numbers and types of pollinators and wildlife visiting their garden areas.

Note: It is possible for a garden to lose Roots for Wings certification due to a variety of factors, including the following:

- Transfer of ownership of the property
- 3+ years with no recertification
- Lack of maintenance/upkeep as described in the program workshop
- Significant number of complaints or ongoing issues related to public safety

EXHIBIT A

Application Checklist

RESIDENTIAL POLLINATOR GARDEN CERTIFICATION CHECKLIST

	NAME:			DATE:		
	ADDRESS:			REVIEWERS:		
Answer questions for each planting location on the property seeking certification.						
Items marked with an * are required components for Full Approval.						
				FACING HOUSE		
			FRONT	BACK	RT SIDE	LFT SIDE
	SETTING					
	Planting date: New (N) 1-3 months ago; Getting established (GE) 3-12 months ago; Established (EST) >12 months ago					
	Amount of sun: Sun (S) >6 hrs; Part Sun (PS) 4-6 hrs; Part Shade (PSh) 2-4 hrs of sun; Shade (Sh) <2 hrs of sun					

	PLANT MATERIAL		FRONT	BACK	RT SIDE	LFT SIDE
1.	*	At least 75% of the plants are Texas natives (per Ladybird Johnson website).				
2.	*	The planted area is at least 100 sq ft of contiguous space excluding sidewalk and hardscaping.				
3.	*	At least 50% of the plants provide nectar.				
4.	*	Drainage conditions match plant needs.				
5.	*	Sun exposure matches plant needs.				
6.	*	Garden contains at least 75% perennials, shrubs, ground covers, vines, and re-seeding annuals such that the garden will be viable for at least 3 years				
7.	*	Spacing of plants accounts for mature size.				
8.		The planted area provides blooms for at least two out of 3 seasons during spring, summer and fall.				
9.		The garden provides a mix of host and habitat plants and/or structures for pollinator habitat.				
	MANAGEMENT PRACTICES		FRONT	BACK	RT SIDE	LFT SIDE
10.	*	Sufficient organic mulch and/or living ground cover is used for weed suppression and water conservation				
11.	*	Weed and pest management follows Earthkind/IPM practices. No neonicotinoids are used.				
12.	*	Watering methods and frequency comply with city ordinances				
13.	*	Soil is amended with organic material as needed				
14.		Invasive plants and non-native weeds are removed				

[illegible]

EXHIBIT B

Approved Plant List and Plant Resources

Common Name	Botanical Name	Available From	Origin
PERENNIALS			
Bergamot, Wild	<i>Monarda bradburiana (fistulosa)</i>	N P S	ND
Columbine, Red	<i>Aquilegia canadensis</i>	N P S	TX
Columbine, Texas Gold	<i>Aquilegia chrysantha</i> var. <i>hinckleyana</i>	N P	TX
Coneflower, Purple	<i>Echinacea purpurea</i>	G, N, P, S	TX
Coneflower, Tall	<i>Rudbeckia grandiflora</i>	N	TX
Coreopsis, Lanceleaf	<i>Coreopsis lanceolata</i>	G N P S	TX
Daisy, Blackfoot	<i>Melampodium leucanthum</i>	G N P	TX
Daisy, Engelmann/Cut-leaf	<i>Engelmannia peristenia</i>	N P S	ND
Daisy, Four-nerve	<i>Tetaneuris scaposa</i>	N P	ND
Fall Aster	<i>Symphotrichum oblongifolium</i>	N P	ND
Gayfeather (Texas Blazing Star)	<i>Liatris punctata</i> var. <i>mucronata</i>	N P S	ND
Goldenrod, Gray/Prairie	<i>Solidago nemoralis</i>	S	ND
Goldenrod, Stiff	<i>Oligoneuron rigidum</i>	S	ND
Huechera Coral Bells "Purple Palace"	<i>Heuchera villosa</i> var <i>Purple Palace</i>	G	I
Milkweed, Butterfly	<i>Asclepias tuberosa</i>	G N P S	ND
Milkweed, Green	<i>Asclepias viridis</i>	N P S	ND
Mistflower, Gregg's	<i>Conoclinium greggii</i>	N P	TX
Penstemon, Rock	<i>Penstemon baccharifolius</i>	N P	TX
Pigeon Berry	<i>Rivina humilis</i>	N P S	ND
Primrose, Missouri	<i>Oenothera macrocarpa</i>	N P	ND
Rattlesnake Master	<i>Eryngium yuccifolium</i>	N P S	ND
Sage, Cedar	<i>Salvia roemeriana</i>	N P	TX
Sage, Augusgta Duelberg	<i>Salvia farinacea</i> var <i>Augusgta</i> <i>Duelberg</i>	N P	TX
Sage, Mealy Blue	<i>Salvia farinacea</i>	N P S	ND
Sage, Scarlet (Tropical Sage)	<i>Salvia coccinea</i>	N P S	ND
Sage, Sky Blue	<i>Salvia azurea</i> var. <i>grandiflora</i>	N P S	ND
Spiderwort, Prairie	<i>Tradescantia occidentalis</i>	N P S	ND

Sundrops/Texas Primrose	<i>Calylophus berlandieri</i>	N P	ND
Turk's Cap	<i>Malvaviscus arboreus</i> var. <i>drummondii</i>	N P S	TX
Verbena, Prairie	<i>Glandularia bipinnatifida</i>	P S	ND
Winecups, Trailing	<i>Callirhoe involucrata</i>	N P S	ND
Wright's Skullcap	<i>Scutellaria wrightii</i>	N P	ND
Yellow Bells/Trumpetbush	<i>Tecoma stans</i> var. <i>angustata</i>	G N P	TX
Zexmenia	<i>Wedelia acapulcensis</i> var. <i>hispida</i>	N P	TX
Common Name	Botanical Name	Available From	Origin
ANNUALS			
American Basketflower	<i>Centaurea americana</i>	S	ND
Black-eyed Susan	<i>Rudbeckia hirta</i> var. <i>pulcherrima</i>	G N P S	ND
Coreopsis, Plains/Goldenwave	<i>Coreopsis tinctoria</i>	G N S	ND
Drummond Phlox	<i>Phlox drummondii</i>	S	ND
Indian Blanket (Firewheel)	<i>Gaillardia pulchella</i>	P S	ND
Lemon Horsemint	<i>Monarda citriodora</i>	S	ND
Standing Cypress	<i>Ipomopsis rubra</i>	P, S	ND
Texas Bluebonnet	<i>Lupinus texensis</i>	P S	TX
SHRUBS	Typically multi-trunked, 3' to 10' with Woody stems that persist through winter		
American Beautyberry	<i>Callicarpa americana</i>	N P S	ND
Autumn Sage	<i>Salvia greggii</i>	G N P	TX
Flame Acanthus	<i>Anisacanthus quadrifidus</i> var. <i>wrightii</i>	N P	TX
Mistflower, Fragrant White	<i>Ageratina havanensis</i>	N P	TX
Pavonia (Rock Rose)	<i>Pavonia lasiopetala</i>	N P S	TX
Skeleton-Leaf Goldeneye	<i>Viguiera stenoloba</i>	N P S	TX
Texas Lantana	<i>Lantana urticoides</i>	N P	TX
Texas Sage (Cenizo)	<i>Leucophyllum frutescens</i>	G N	TX
Yucca, Red	<i>Hesperaloe parviflora</i>	G N P	TX

VINES	Plants with a growth habit of trailing or climbing stems or runners		
Coral Honeysuckle	<i>Lonicera sempervirens</i>	N P	ND
Purple Passionflower	<i>Passiflora incarnata</i>	N P	ND

Available From
G - most garden centers including "big box" franchises
N - NICE or other independent nurseries with native plants
P - community plant sales with native plants
S - native seed suppliers
Origin
ND - native to Denton County
TX - native to Texas, well adapted to Denton County
I - introduced, well adapted to Denton County

Plant Resource Websites

Ladybird Johnson Wildflower Center: <https://www.wildflower.org/>

NPSOT: <https://npsot.org/wp/>

Smartscape: <http://www.txsmartscape.com/>

EXHIBIT C

Prohibited Plant List

Common Name	Botanical Name
Bradford Pear	<i>Pyrus calleryana</i>
Chinaberry	<i>Melia azedarach</i>
Chinese Pistache	<i>Pistacia chinensis</i>
Chinese Privet	<i>Ligustrum sinense</i>
Chinese Tallow	<i>Triadica sebifera</i>
Heavenly Bamboo/Nandina	<i>Nandina domestica</i>
Japanese Honeysuckle	<i>Lonicera japonica</i>
Japanese Privet	<i>Ligustrum japonica</i>
Johnson Grass	<i>Sorghum halepense</i>