Fort Collins Design Guide





















Chapter 2: Pollinator Gardening April 2024

An Introduction to Diversifying **Urban Landscapes in Fort Collins**

Acknowledgments

City of Fort Collins

Kate Rentschlar- Environmental Planner, Nature in the City

Kelly Smith- Senior Environmental Planner, Nature in the City

Kristy Bruce- Environmental Planner, Nature in the City

Scott Benton- Environmental Planner, Community Development & Neighborhood Services

Leslie Spencer- Business Support II, Community Development & Neighborhood Services

Bryan Fischer- Horticulture Technician Gardens on Spring Creek

Bernadette Kuhn- Senior Environmental Planner, Natural Areas

Crystal Strouse- Botanist, Natural Areas

Jennifer Torry- Senior Landscape Architect, Park Planning and Development

Emma Pett- Lead Water Conservation Technician, Utilities

Katie Collins- Water Conservation Specialist, Utilities

Chickadee Pine Designs

Desneige Sodano- Owner-Chickadee Pine Designs





Design Guide:

An Introduction to Diversifying Urban Landscapes in Fort Collins

Introduction

Overview of the Guide

The purpose of this guide is to showcase a wide variety of diverse urban landscape options in Fort Collins. This guide will help you determine which landscape options are best for you, whether you are a homeowner, renter, business owner, school, developer, or part of a Homeowners Association. The overarching goal is to provide inspiration for your next dream landscape.

The examples in this guide apply to Northern Colorado Front Range ecosystems, however the context may be appropriate for projects in other regions, as well.

In this guide, you will find an introduction and the main considerations needed for installing each landscape option. Tips for design, installation, and maintenance are included in each chapter. In addition, each landscape option comes with its own curated plant list to help you select plants that will thrive in your landscape.

Thank you for creating diverse, beautiful, and resilient landscapes!

Why Diversify Landscapes?

Diverse landscapes are beautiful and resilient. They contain a variety of native and adapted species that provide important habitat and resources for wildlife and pollinators. They are naturally adapted to the Front Range's semi-arid climate and native soils, which translates to lower water and chemical inputs, and a better ability to withstand short- and long-term changes in climate. They invoke a Colorado landscape aesthetic and establish a sense of place. Spending time in them benefits our physical and mental health. In short, moving towards diverse landscapes is more sustainable and brings nature into the city, which provides considerable ecological, economic, and social benefits.

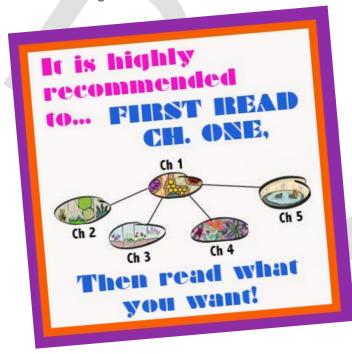
The use of plants that are native to Colorado is highly encouraged when you diversify your landscape. Native plants have evolved here and are adapted to our climate and soil types. In addition, our local pollinators and wildlife co-evolved with these plants and many are dependent on specific native plant species for survival. As such, native plants form the base of local food webs. However, it is also important to recognize that native plants may not be appropriate in all situations, e.g., your aesthetic preferences, the level of activity on site, HOA policies.





Navigating the Guide

This guide is broken into chapters (see Table of Contents), which primarily revolve around different landscape options (e.g., Pollinator Gardening, Lw Water Lawn). The guide also includes chapters on other relevant landscaping topics (e.g., Soil Amendment, Weed Management). It is highly recommended to start with Chapter One – Site Characteristics and Planning.



Within each chapter, you will find information on the following (when applicable):

- Overview of topic
- Physical requirements
- Design examples or case studies
- Irrigation
- Maintenance
- Plant list
- Additional resources
- Installation tips
- Fun fact!

FUN FACT

Converting your yard from turf to a xeriscape and or native garden is On TREND!

Over 390 residential projects in Fort Collins were granted Xeriscape Incentive Program (XIP) funding for a total of 462,100 square feet of converted landscape. That is 10 acres or approximately 7.5 football fields!



fcgov.com/xip

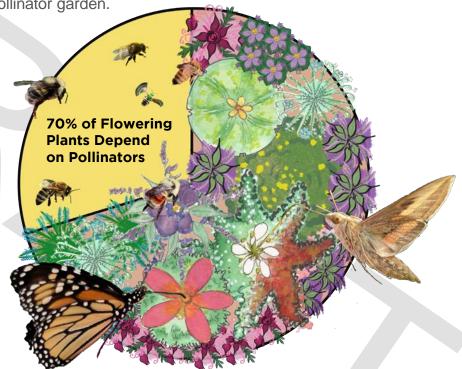
	Definitions
Adapted Species	Non-native species that grow well in a given habitat with human adjusted changes to the environment such as water or nutrients.
Aggregate	A material or structure formed from a loosely compacted mass of larger soil or rocks.
Aspect	The direction the land is facing. eg: north, south, northeast etc.
Cues to Care	(CTC) are landscape elements that are immediately recognizable as designed, and that signal continuing human presence to care for a landscape.
Complementary Colors	Colors opposite from each other on the color wheel. They have a strong contrast that increases how noticeable they are when placed close together.
Exotic Plants	Plants not native to the area where they are planted.
Forb	A herbaceous flowering plant that is not a grass.
Hydrozone	Areas where plants with similar water needs are grouped together - very low water, low water, medium water, and high water plants should be grouped by water needs.
Impervious Surface	A hard surface that does not let water soak into the ground, causing puddling or resulting in runoff.
Larval Host Plants	Plants required for the growth and development of insect larvae such as caterpillars. Butterflies are often particular about the species where they host their eggs to support the larva.
Microclimate	Small areas that have a different climate than the overall climate of a site. They can be created by structures, topography, water, boulders, and impervious surfaces.
Native Plant	A plant species that grew in an area before colonization of that area.
Organic Matter	Any of the carbon-based compounds that exist in nature or material that comes from living things. This can include carbon-rich soils, manure, mulch, or compost.
Perennial	Any plant that persists for several years, usually with new herbaceous growth from a part that survives from growing season to growing season.
Permaculture	Permacultre stands for permanent agriculture. It uses whole systems thinking to create spaces for planting that encourages naturally flourishing ecosystems.
Pruning	Selective removal of certain parts of a plant such as branches, buds, or roots.
Resilient	Ability to bounce back after experiencing a setback.
Slope	A surface of which one end is at a higher level than the other; a rising for falling surface.
Soil Amendment	Anything that is added to a soil to improve water retention, nutrients, or drainage.
Xeriscape	Principles of sustainable design including use of low water plants, and sustainable gardening techniques.



Chapter 2 Pollinator Gardening

About pollinator gardening

Pollinators make the world go around! Over 70 percent of the world's flowering plants require a pollinator to produce fruit or seeds. This amazing service allows plants that we depend on, for food and the economy, to thrive and makes our world a more vibrant place. You can help pollinators flourish by creating a pollinator garden.



Most outdoor spaces can be transformed into a pollinator garden. Here are key elements that should be considered when designing and installing your pollinator garden:

- Use as many native plants as possible. Many local pollinators need specific native plants that they evolved with to survive. However, some adapted plants can also provide resources to pollinators.
- Use a variety of plants so there is always something in bloom from early spring through fall.
- Choose plants with a variety of flower colors and shapes that will attract different pollinators. (<u>Learn more</u>¹)
- Make sure to include larval host plants in your landscape or bunchgrass for overwintering sites. <u>Here is a list</u>² of critical host plant species for Larimer County pollinators.

1. https://www.fws.gov/pollinators/pdfs/PollinatorBookletFinalrevWeb.pdf
https://www.fcgov.com/natureinthecity/files/nativeplant-handout-final-outline4.24.pdf?1619107014



- Plant the same species of plants in clumps or swaths. This allows pollinators to work more efficiently.
- Be wary of cultivars or hybrid plants. They are often bred for showy flowers or leaf colors that pollinators can't access or don't like.
- Do not use weed barrier fabric! This fabric is detrimental to the health of your soil and prevents ground nesting bees from being able to find a home.
- Leave bare soil spots, free from mulch, for ground nesting bees.
- Keep dead trees or limbs in your garden for bees that nest in wood.
- Insects need to drink water too! Leave out a shallow bowl of water or bird bath, and place rocks in it so they have a safe place to land.
- Don't use pesticides, insecticides or herbicides. These can directly or indirectly kill pollinators.

Factors to Consider When Selecting Plant Species

Pollinator gardens can be installed in a wide range of conditions since many plants can be used to support pollinators. In general, the following physical factors should be considered:

SUN REQUIREMENTS: Full sun or part sun (Have full shade? (Check out Chapter 3 – Dry Shade)

SOILS: Variable – can be rocky, loam, clay, etc. it just needs to be able to support plants.

DRAINAGE: Variable – however, many native and low water plants appreciate well-drained sites.

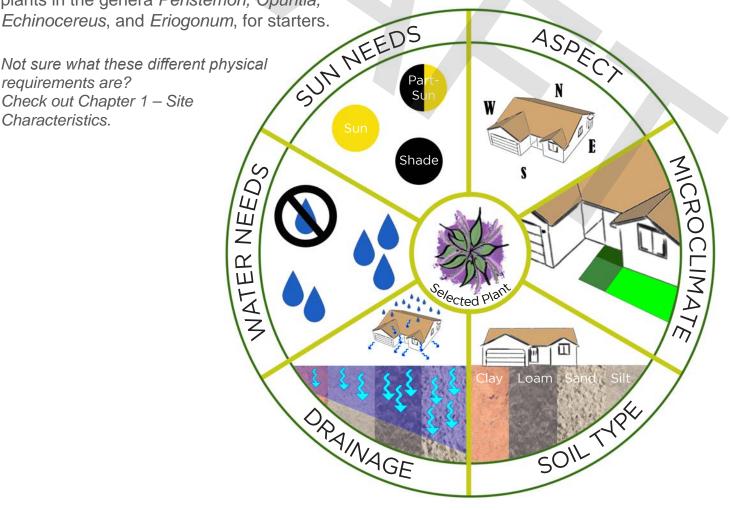
ASPECT: Variable - east, south, west are ideal since they get more sun.

WATER: Very low to moderate.

requirements are?

Characteristics.

MICROCLIMATES: Take advantage of warm microclimates around your home (e.g., south side of a building, next to pavement or on a south facing slope) to expand the palette of successful pollinator plants in your garden. Warm microclimates can be excellent sites for plants in the genera Penstemon, Opuntia,



Design Examples

Small Project Design

This pollinator garden will fit snuggly into a corner. It measures 15' x 15' and 22' diagonally. The tall purple (when in bloom) leadplant shrub anchors the garden. The design has repeating colors and varying textures through a wide selection of native perennial forbs.



Native plants in a newly planted garden with pea gravel and cobble mulch. Photo provided by Deryn Davidson.

Small Project Design Plant List

Shrub



Dwarf Wild Indigo Amorpha nana

Grass



Sideoats Gramma Grass Bouteloua curtipendula



Perennials



Chocolate Flower
Berlandiera lyrata



Prairie Sage Artemisia Iudoviciana



Purple Prairie Clover Dalea purpurea



Common Yarrow Achillea millefolium



Blue Mist Penstemon Penstemon virens



Blue Flax Linum lewisii

Groundcovers



Pussytoes Antennaria spp.



Evening Primrose Oenothera caespitosa



Spreading Daisy Erigeron divergens

Medium Project Design - Oakridge Village



Designed by Angie Milewski, BHA Design, and adapted by Jennifer Torrey, City of Fort Collins. added a pollinator garden to their green space in 2020. The space is along a main walking path and encourages its residents to sit and admire a Colorado landscape. The garden has a large diversity of perennials, grasses and shrubs. It also highlights several Garden in a Box designs.3 The garden uses pea gravel as mulch and has large boulders.

Oakridge Village Garden image:





3. https://resourcecentral.org/gardens/

Medium Project Design - Oakridge Village Plant List

Tree



Rocky Mountain Juniper Juniperus scopularum

Shrubs



Lead Plant Amorpha canescens



Rubber Rabbit Brush Chysothamnus nauseosus var. nauseosus



Green Ephedra Ephedra viridis



Slowmound Mugo Pine Pinus mugo 'Slowmound'

Shrubs



Woods Rose Rosa woodsii



Shrubby Cinquefoil Potentilla fruticosa



Boulder Raspberry Rubus deliciosus

Grasses



Blonde Ambition Blue Grama Bouteloua gracilis 'Blonde Ambition'



Undaunted Ruby Muhly Muhlenbergia reverchonii 'PUND01S'

Perennials



Western Yarrow Achillea millefolium



Showy Milkweed Asclepias speciosa



Purple Poppymallow, Winecups Callirhoe involucrata



Rocky Mountain Bee Plant Cleome serrulata



Plains Coreopsis Coreopsis tinctoria



Beebalm Monarda fistulosa



Little Trudy Catmint Nepeta x Little Trudy



Red Rocks Penstemon Penstemon x mexicalli 'Red Rocks'



May Night Salvia Salvia nemorosa 'May Night'



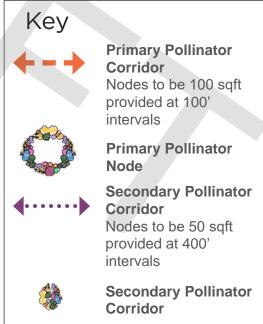
Large Landscape-Level Project Design - Bloom

The Bloom Pollinator Plan is an innovative community planning and site design tool meant to establish pollinator habitat at Hartford Homes' 229-acre mixed-use neighborhood in Fort Collins. It supports the City's broader goals of creating pollinator habitat, integrating natural systems, improving aesthetics, implementing sustainable landscapes and stewarding natural resources.



Norris Design collaborated with City staff to develop pollinator habitat guidelines, from planning and design through maintenance best practices. The Master Plan recommends plant species that provide both year-round and seasonal habitat for pollinator species. The Plan also identifies locations for linear pollinator corridors and site-specific design nodes for pollinators of varied species and flight distances.

All landscape throughout the development is irrigated via non-potable water stored in irrigation ponds. Pond edges create additional opportunities for riparian pollinator species within the interior of the community



Designed by Norris Design

Large Landscape-Level Project Design - Bloom Plant List

Spring Blooming Plants for Pollinators



Blue Mist Bluebeard Caryopteris x clandonensis 'Blue Mist'



Dwarf Pinon Pine Pinus edulis



Prairie Smoke Geum triforum



Sonoran Sunset Hyssop Agastache cana 'Sinning?



Blue Oat Grass Helictorichon sempervirens



Carol Mackie Daphne Daphne x burkwoodii



Butterfly Weed Asclepias tuberosa



Purple
Poppymallow,
Winecups
Callirhoe
involucrata



Sulphur-flower Erigonum umbellatum



Standing Ovation Bluestem Grass Schizachyrium scoparium 'Standing Ovation'

Summer Blooming Plants for Pollinators



Showy Milkweed Asclepias speciosa



Creeping Oregon Grape Holly Berberis repens



Blanket Flower Gaillardia aristata



Blue Flax Linum lewisii



Indian Grass Sorghastrum nutans

Fall Blooming Plants for Pollinators



Engelmann's Daisy Engelmannia peristenia



Giant Goldenrod Solidago gigantea



Stonecrop Sedum spectabile



Purple Poppymallow, Winecups Callirhoe involucrata

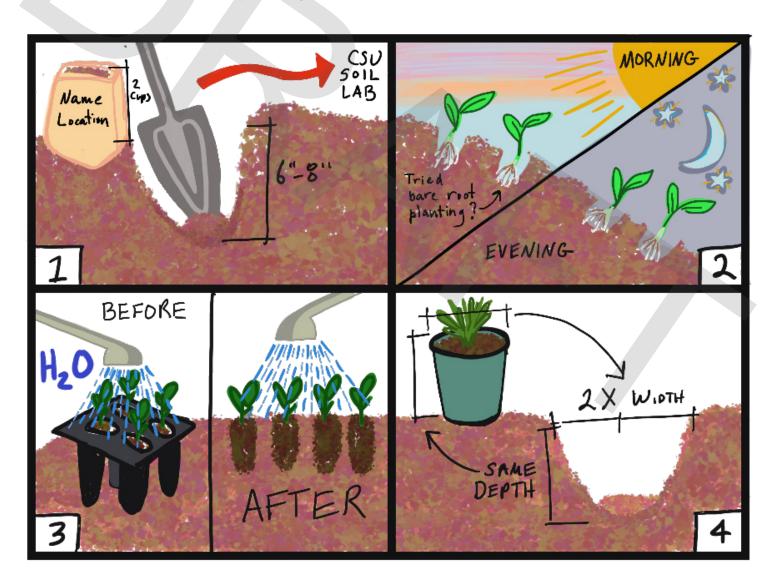


Showy Milkweed Asclepias speciosa

Installation Tips

Getting your plants in the ground is not quite as simple as digging a hole and dropping them in. Here are a few tips that will help your plants have a smooth transition into your landscape.

- Before planting, make sure you get a soil test done.
 You may need to amend your soil before planting (see chapter 1 page 2) so that it can support your plants.
- Plant in the morning or evening; avoid planting during the hottest part of the day as this will stress your plants. Similarly, try to avoid planting during peak heat months, such as July and August.
- Water your plants before you put them in the ground and again after you put them in. Transplanting is stressful and they will do better if they are well hydrated.
- The width and depth of the hole you're planting will vary depending on what you are planting. In general, you should dig a hole twice the width and the same depth of the pot your plant is in. The exception to this is trees, which should be 2-3x the width of the root ball and 1-3 inches shorter than the root ball.



Irrigation

Pollinator gardens are typically dominated by plants adapted to Colorado's semi-arid climate and require less water than conventional landscaping. However, all plants need water to get established for the first growing season.

To avoid over-watering your garden, it is best to create and stick to an irrigation plan. Overwatering can kill low water plants by rotting their roots. A good irrigation plan outlines how much to water and provides a timeline to help you cut back on watering at the appropriate time. Once plants are established, watering should be infrequent and deep. The simplest way to water is using a hose, but you can also install drip irrigation to save time and reduce the amount of evaporation.

Even the best laid plans cannot address all contingencies, like excessive drought or heavy/ prolonged rains. Therefore, the focus should be on results – if your plants are healthy above and below ground then your watering is likely appropriate. Frequent monitoring is key. Soil moisture monitoring devices are available to provide feedback but getting your fingers in the soil is an effective and easy way to monitor moisture levels. It is important to check the soil moisture between watering and each time you water, to ensure you are not over or underwatering.

Is the ground moist 6 inches below the surface or only at the surface? It is best to water infrequently and deeply, soaking the soil 6 inches down. Deep, less frequent watering will encourage plants to root deeply and become more drought tolerant.





Example Irrigation	n Plan for Establishment of	a Perennial Bed for Pollinators*
	FREQUENCY	DURATION
	Once a day	First 3 weeks
Spring and Fall Planting	Once every 2-3 days	2 weeks (or end of growing season)
	Once every 7-14 days	As needed through growing season
	Once a day	Through peak heat
Summer Planting	Once every 2-3 days	Until the fall
	Once every week	Until the end of growing season

Plants should receive roughly the same volume of water as the size of the pot the plant came in, per watering event.

^{*} Adjust as necessary given precipitation and condition of plants

Maintenance

Native-dominant pollinator gardens typically require less maintenance once established but some kind of maintenance is inevitable. Proper planning and installation can minimize required maintenance and increase the chances of long-term success. Refer to Chapter 1 for more on garden planning fundamentals.

Weed Management

The use of pesticides in a pollinator garden is strongly discouraged since the chemicals can be taken up by the plant and then transferred to non-target pollinators via pollen and nectar. If pesticides are used be sure to follow all application instructions to the T – the label is the law! The Larimer County Weed District ⁴ can provide advice on weed identification, management, and pesticides.

Mulching

Mulching is a critical practice for gardening to decrease soil temperature, suppress weeds, and conserve soil moisture. When adding mulch to new or existing plants, leave a buffer between the base of plants and mulch. This practice keeps the stems of plants dry and prevents rot. Learn more about the different types of mulch in the Site Characteristics and Planning Chapter.

Weed barrier is not recommended, as it has a negative effect on soil quality and wildlife habitat. Weed barrier will also begin to degrade over time allowing weeds to root through it and it becomes difficult to remove and unsightly.

Keep in mind that many native pollinators are groundnesting species and require some patches of bare and/or minimally covered soil. You can help them out by not mulching (or only mulching to a depth of 1 inch) in a 6-12 inch circle around the trunk or stems of some plants.

Other

Don't clean up all of your garden in the Fall or Spring. The dead plant material is used by many pollinators to overwinter or nest in. Removing this plant material may expose the pollinators to harsh spring conditions that they will not be able to survive. Wait until May to start cleaning out your garden.

4. (https://www.larimer.org/naturalresources/weeds)









Appropriate Plant List

When selecting plants, make sure they meet your physical requirements and are appropriate for your space. CSU Extension recommends the following plant list, with plants separated into times of the season they bloom. This list is to help you get started – some of these plants may not be appropriate for your space and there are many more plants that are great for pollinators.

For more plant options (or information on the plants in the list), use the <u>Fort Collins Plant Database</u> and select filters appropriate for your project.

Additional Resources

Bringing Nature Home - Tallamy (2014), Timber Press

CSU Extension – Creating Pollinator Habitat: https://extension.colostate.edu/topic-areas/insects/ creating-pollinator-habitat-5-616/

CSU Extension – Attracting Native Bees to Your Landscape: https://extension.colostate.edu/topic-areas/insects/attracting-native-bees-landscape-5-615/

Get Involved - Join the Native Bee Watch: https://arapahoe.extension.colostate.edu/nbw/

The Bumble Bees of Colorado: https://www.colorado.edu/cumuseum/sites/default/files/attached-files/thebumblebeesofcolorado-2017.pdf

Selecting Plants for Pollinators: A Regional Guide for Farmers, Land Managers, and Gardeners in the Southern Rocky Mountain Steppe – Pollinator Partnership: pdf

US Forest Service – Pollinators: https://www.fs.fed.us/wildflowers/pollinators/

US Forest Service – <u>Pollinator-Friendly Best</u> <u>Management Practices for Federal Lands</u>

Xerces Society for Invertebrate Conservation – https://www.xerces.org/

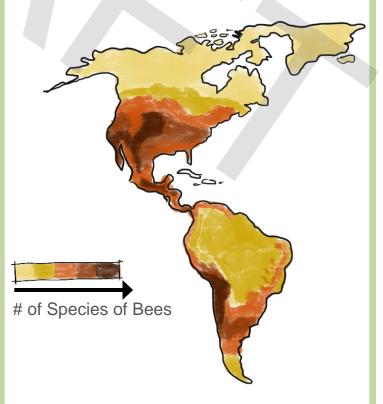
FUN FACT

Did you know that Colorado is a bee hot spot?

That's right, we have more than 946 species of bees that call Colorado home!

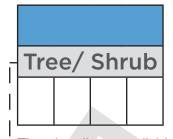
And almost half (437 species) are found in Larimer County.

Most people are familiar with the European honeybee (a non-native species) and bumble bees (Colorado has 24 species!). However, there are many more to explore. You can learn more about Colorado's bees through the Native Bee Watch or Xerces Society.



Orr et al. 2020. Global Patterns and Drivers of Bee Distribution, Current Biology, https://doi.org/10.1016/j.cub.2020.10.053

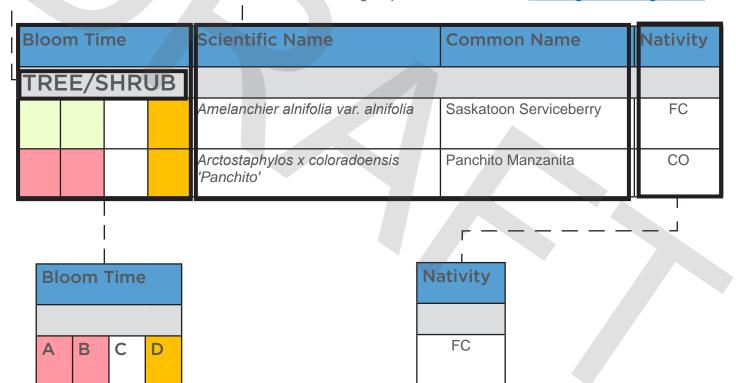
How to use the Plant Lists



The plant lists are divided by plant types shown in the grey bar. They include Trees, Shrubs, Perennials, Groundcovers, and Grasses.

Scientific Name	Common Name
Amelanchier alnifolia var. alnifolia	Saskatoon Serviceberry

Scientific names include the genus, species, and sometimes subspecies or variety of the plant. These are listed to help identify exact species. Some common names can be used for multiple species with different characteristics such as bloom color, size, or habitat value. If you would like to learn more about a plant listed in a chapter, find the common or scientific name in the plant list to learn more about how it grows. For more information on plants that grow in Northern Colorado check out the digital plant database here: www.fcgov.com/vegetation/



The Bloom Time information is split into 4 columns, each showing the main color of the plant as it blooms throughout the year. Column A is early spring, exact timing depends on temperatures and precipitation of that year, but usually around April and May. Column B is the main plant color in early summer, late May and June. Column C represents the plant color in the heat of summer, July and August. Column D indicates the color in fall, typically September and October.

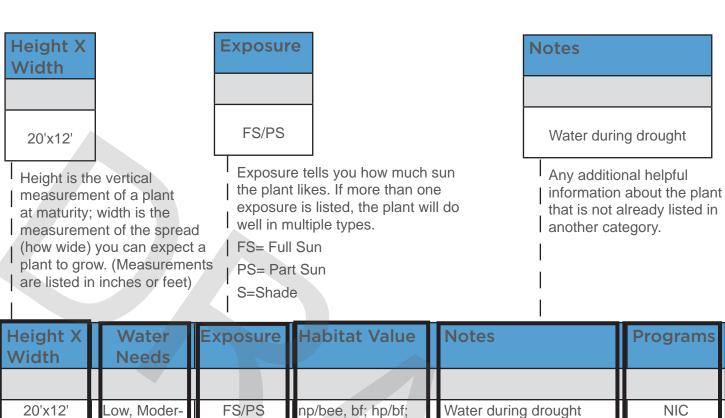
Nativity describes the closest location to Fort Collins where the plant grows natively.

FC= Fort Collins-(these plants grow native in Fort Collins).

CO= Colorado (these plants grow native somewhere in Colorado, but not Fort Collins).

US= United States (these plants grow native somewhere in the United States, but not Colorado).

Not Native= These plants are not native in the United States.



Water Needs Low, Moderate

Very Low- indicates a plant that requires 3 gallons of water per square foot per season in addition to precipitation.

Low- indicates a plant that requires 8 gallons of water per square foot per season in addition to precipitation.

Moderate- indicates a plant that requires 14 gallons of water per square foot per season in addition to precipitation.

High- indicates a plant that requires 18 gallons per square foot per season in addition to precipitation.

Habitat Value

np/bee, bf; hp/bf; birds: wl

Habitat value comes in many forms. Below is a key to describe what habitat values the plant provides. Sometimes a specific animal or insect type is described in the list such as "bee" or "bird".

np = nectar/pollen

bf = butterfly

hb = hummingbird

s = seeds

frt = fruit

hp = host plant

wl= wildlife

Programs

NIC

Programs hosted by the City of Fort Collins include Nature in the City (NIC) and the Xeriscape Incentive Program (XIP). Nature in the City focuses on plants native to Colorado and Fort Collins where XIP focuses on water savings. Plants listed with both XIP and NIC are supported by both programs.

	1									
EARL	Y	EARLY BLOOMERS PLANT LIST	NT LIST							
Bloom Time	P	Scientific Name	Common Name	Nativity	Height X Width	Water Needs	Exposure	Habitat Value	Notes	Programs
TREE										
		Amelanchier alnifolia var. alnifolia	Saskatoon Ser- viceberry	FC	20'x12'	Low, Mod- erate	FS/PS	np/bee, bf; hp/ bf; birds; wl	Water during drought	NIC
		Prunus americana	American Plum	FC	10'x15'	Very low-Mod- erate	FS/PS	np/bee, bf; hp; frt/birds; wl	Thorns, tolerates clay soil	NIC, XIP
		Prunus virginiana	Chokecherry	SN	30'x15'	Very low-Mod-erate	FS/PS	np/bee, bf; hp; frt/birds; wl	Tolerates dry rocky soil	NIC, XIP
		Flowering fruit trees including apples, cherries, peaches, and plums	including apples, c	herries,		Moderate to High	FS/PS/S	np/bee, bf; frt/ birds; wl	Fruit for all	NIC
SHRUBS	JBS									
		Ribes aureum	Golden Currant	US	4'x4'	Very low, Low	FS/PS/S	np/bee, bf; frt/ birds; wl	Bluish berries, fall color	XIP
		Rhus trilobata var. trilobata	Three Leaf Su- mac	US	6'x6'	Very low, Low	FS/PS	nests for bees, ss/birds	Lieks sandy soil, good fall color	NIC, XIP
		Salix spp.	Willow	SU	Varies	Moderate to High	FS/PS/S	np/bee, bf, hp/ bf; frt/birds; wl	Grows in wet, damp soils	NIC
FORBS	SS									
		Allium cernuum	Nodding Onion	US	1'x6"	Low-Med	FS/PS	np/bee, bf	dry soils, deer tolerant	NIC
		Callirhoe involu- crata	Winecups	FC	6"x2'	Low-Med	S	np/bee, bf	Prefers compost loam soil	NIC
		Eriogonum umbel- latum	Sulphur Flower	CÕ	6"x1'	Low	S	ss/birds	Fall color	NIC, XIP
		Erysimum spp.	Wallflower	SN	10"x4"	Low-Med	S/PS	np/bee, bf	Long blooming	XIP
		Geum triflorum	Prairie Smoke	CO	6"x1.5"	Low	FS	np/bee, bf, o	Whispy blooms	NIC, XIP

「ユス「」	TAXEY DECOMERS TEAN I FINE								
Bloom Time	Scientific Name	Common Name	Nativity	Nativity Height X Water	Water Needs	Exposure	Exposure Habitat Value Notes	Notes	Programs
FORBS									
	Linum lewisii	Blue Flax	00	2'x2'	Low	S/PS	np/bee, bf, o	Readily seeds	NIC
	Penstemon virens	Blue Mist Pen-	СО	2'x1.5'	Low	S	np/bee, bf, o	Long blooming,	NIC, XIP
		stemon						native bee	
	Penstemon eatonii Firecracker Pen-	Firecracker Pen-	CO	1'x1'	Very Low	FS/PS	np/bee, bf; n/	Handles	NIC, XIP
		stemon					hb	rocky,sandy soil	
	Pulsatilla patens	Pasque Flower	FC	6"X1"	Low	S/PS	np/bee	Earliest of blooms	XIP
	Penstemons (many native and cultivar options,	native and cultivar	options,		Very low-	FS/PS	np/bee, bf; n/	Versatile plants	NIC, XIP
	check with local nursery)	sery)			Low		hb		

MID SUM	MID SUMMER BLOOMERS PLANT LIST	PLANT LIST							
Bloom Time	Scientific Name	Common Name	Nativity	Height X Width	Water Needs	Expo-	Habitat Value	Notes	Programs
TREE									
	Robinia neomexicana	New Mexico Locust	S	10'x12'	Very low- Low	PS	np/bee, hb; frt/ birds; wl	Seeds poisonous to humans	NIC
	Tilia americana	American Linden	SU	50'x30'	Med	S/PS	np/bee, bf; frt/ birds; wl	Tolerates clay soil	NIC
	Gleditsia triacanthos	Honey Locust	SN	60'x80'	Med	S	np/bee, bf; hp; frt/birds; wl	Tolerates drought, wind	NIC
SHRUBS									
	Amorpha canescens	Leadplant	SU	4'x4'	Low	S/PS	np/bee, bf	Bluish berries, fall color	XIP
	Sambucus racemosa	Red Elderberry	Non- native	,8x,8	Med-High	S/PS	np/bee, bf; frt/ birds; wl	Tolerates wet soils	NIC, XIP
FORBS									
	Asters (many native and cultivar options, check with local nursery)	and cultivar optio	ns, check	1'x6"	Very low- Low	S/PS	np/bee, bf; n/ hb	Versatile plants	NIC, XIP
	Anaphalis margaritacea	Pearly Everlasting	US	3'x1'	Low	S/PS	np/bee, bf; hp	Sandy or gravelly soils	NIC
	Asclepias speciosa	Showy Milkweed	US	3'x1'	Low-Med	S	np/bee, bf; hp; frt/birds; wl	Can tolerate moist soils	NIC
	Campanula rotundifolia	Bluebell Bellflower	US	6"-1'x1'	Low-Med	S/PS	np/bee, bf	Long blooming	XIP
	Gaillardia aristata	Blanket Flower	US	1'x1'	Low	S	np/bee, bf	Long blooming	NIC, XIP
	Salvias (many native options, check with local nursery)	e options, check w	ith local		Very low- Low	S/PS	np/bee, bf; n/ hb	Versatile plants	NIC, XIP

		<u>.</u>							
Bloom	Scientific Name	Common	Nativity	Height X	Water	Exposure	Habitat Value	Notes	Programs
Time		Name		Width	Needs				
SHRUBS									
	Ericameria nauseosus	Rabbitbrush	US	4'x4'	Low	S/PS	np/bee, bf	Bluish berries, fall color	XIP
	Rubus deliciosus	Boulder Raspberry	SN	8x'8	Med- High	S/PS	np/bee, bf; frt/ birds; wl	Tolerates wet soils	NIC, XIP
FORBS									
	Agastache foeniculum	Blue Giant Hyssop	US	2'x3'	Dry-Med	S	np/bee, bf; n/ hb	Tolerant of deer drought, dry soil	NIC, XIP
	Cleome serrulata	Rocky Mt. Bee Plant (annual)	US	3'x1'	Low	S	np/bee, b; n/hb	Long blooming	NIC
	Coreopsis tinctoria	Plains Coreopsis (annual)	US	2'x4'	High	S/PS	np/bee, bf	Prefers moist, sandy soil	NIC
	Helianthus annuus	Common Sunflower	US	1.5-10'x1'	Med	S	np/bee, bf	Dry, disturbed clays, sand	NIC
	Heterotheca villosa	Hairy False Golden Aster	US	2'x1.5'	Low	S	np/bee, bf	Dry sandy soils	NIC, XIP
	Solidago spp.	Goldenrod	SN	1.5-5'x 1-3'	Dry-Med	S	np/bee, bf; hp/ fly, moth	Insect magnet	NIC, XIP