



Best Plants for Shady Yards

Helen Muntz

Learning Garden and Education Lead

Weber Basin Water Conservancy District



Perennials

- Live more than 2 years
 - Winter Dormancy
 - Re-grow from roots in spring
 - Vegetative dieback in fall to winter
 - Some are evergreen

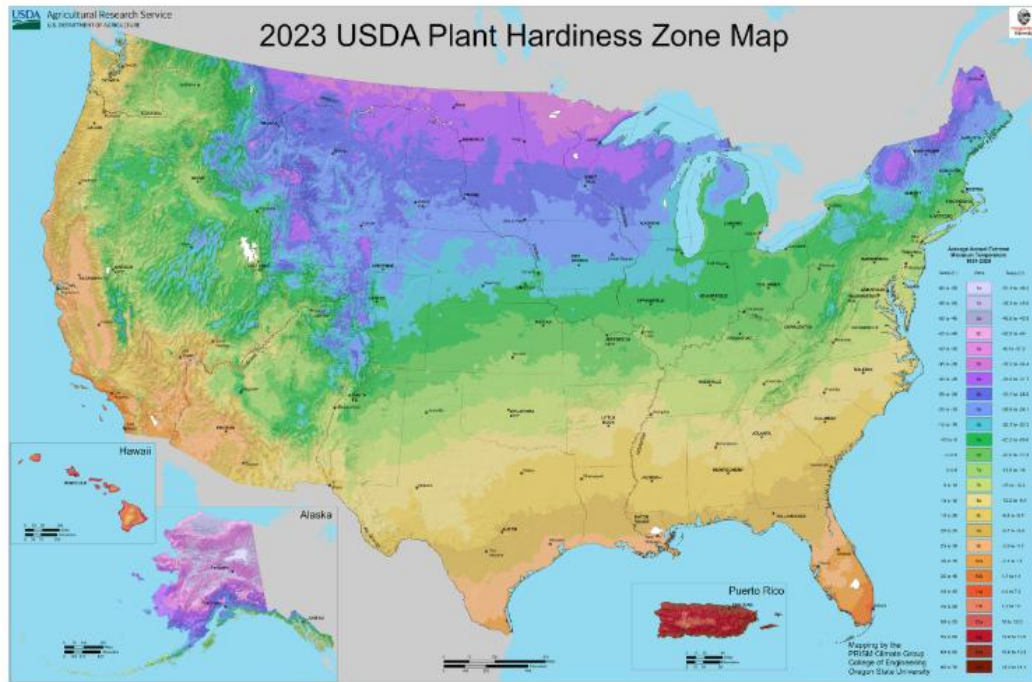
Perennials – Hardiness Zones

2023 USDA Plant Hardiness Zone Map | USDA

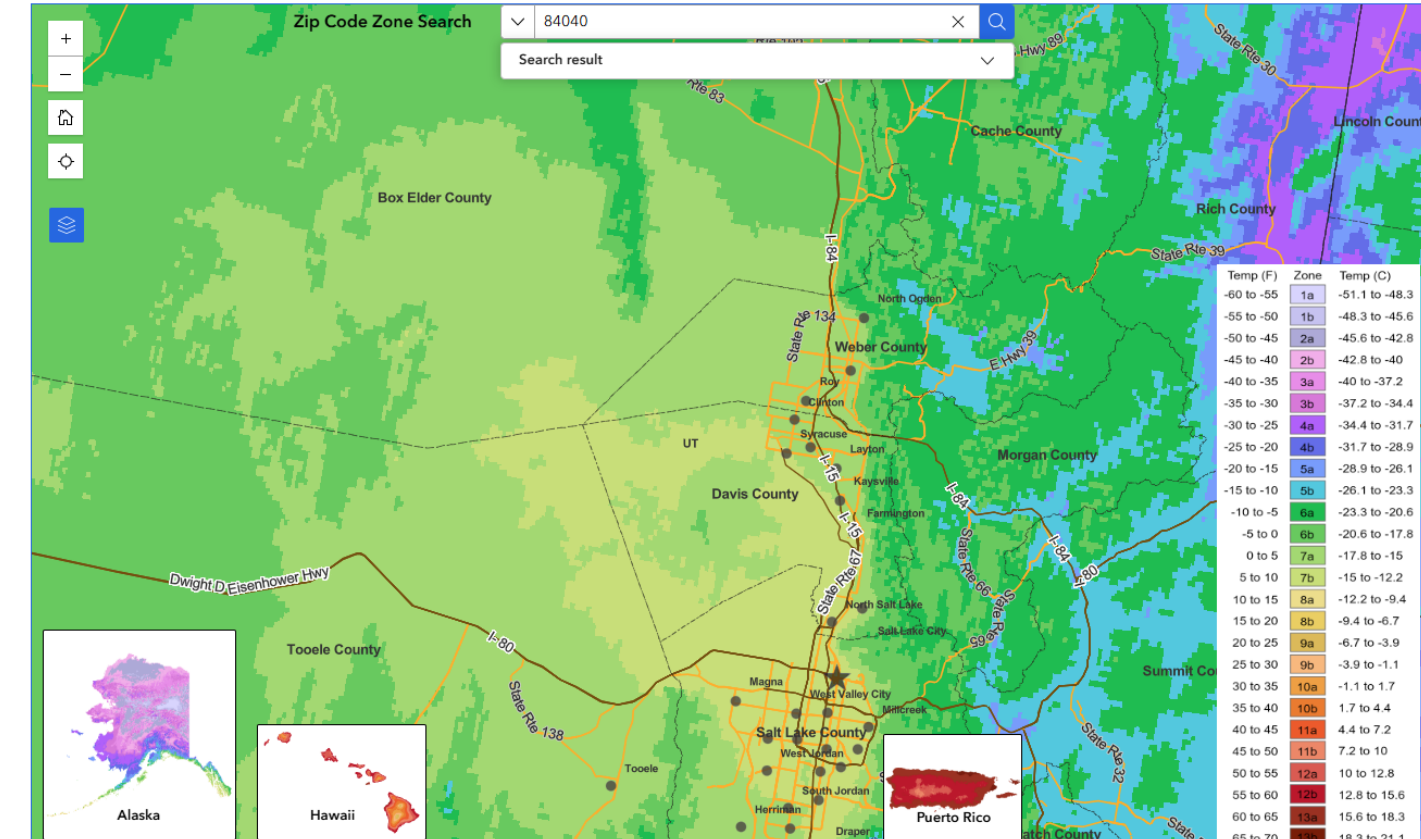
Plant Hardiness Zone Map

PLANT HARDINESS ZONE MAP

The USDA Plant Hardiness Zone Map website includes an interactive-GIS map that allows the viewer to “click” down in scale to one-half mile. It also includes national, state and regional images in a variety of resolutions, and a ZIP code finder that provides the plant hardiness zone for all U.S. ZIP codes.



2023 USDA Plant Hardiness Zone Map



Part Sun, Part Shade, Shade

- **Part Sun:** 6 hours of direct sunlight, can tolerate afternoon sun
- **Part Shade:** 4 hours or less of direct sunlight, morning sun only, dappled light throughout the day
- **Shade:** tolerate less than 4 hours of sunlight

Terms like “**part shade to shade**” or “**full to part sun**” indicate a plant’s tolerance range, helping gardeners choose the best location based on available sunlight



Landscaping in Dry Shade

15 Great Landscape Plants for Dry Shady Areas

Helen Muntz and Larry Rupp

Finding the right landscape plants for dry areas that are also shady can be challenging. Most of the drought tolerant plants used in Utah's residential and commercial landscapes come from dry environments and are adapted to full sun. Therefore, these plants do not grow well in shaded environments.

Shade produces a microclimate with unique cooling effects, reduced soil evaporation and reduced plant transpiration (Lin & Lin, 2010). In spite of the common perception that shade gardens are always cool and moist, often there is not ample soil moisture. Often the very conditions that create shade can reduce soil moisture. For example, the soil beneath the canopy of a mature blue spruce is heavily shaded; however, between the canopy's ability to shed snow and water to the drip zone and the water demand of the tree itself, the soil immediately underneath the tree can be very dry. This is especially true in Utah where high elevation and low humidity increases solar radiation and transpiration from the very canopy that may be

Typically, shade plants have developed certain traits such as thin, shade adapted leaves that are less adapted to resist water loss. On the other hand, adaptive traits of most drought tolerant plants to full sun, such as small pubescent or thick succulent leaves, reduce their ability to grow in a shaded environment. The end result is a paradox where the adaptations which make a plant shade tolerant may also make it drought intolerant and the adaptations that make a plant drought tolerant may also make it shade intolerant.

The challenge to gardeners is to find plants that are tolerant of both shade and drought. In spite of the challenges of dry shade, there are a number of plants that can perform well in such an environment. Utah State University Extension compiled a list of plants that grow in dry shade. The list was sent in survey form to the Utah Public Garden Network to verify excellent performance of these plants when grown in dry shade. The following is a list of 15 plants that perform well in dry shade areas.

Why do we Irrigate?

- Replace Water Loss – **Evapotranspiration (ET)**
 - Evaporation
 - Water evaporation from the soil surface
 - Transpiration
 - Water loss in the plant (plant sweat)
 - Fluctuations based on:
 - Solar radiation, temperature, humidity, wind

Weekly Lawn Watering Guide

Weekly Lawn Watering Guide
For the week of: May 19, 2023 to May 25, 2023



Get a rebate at UtahWaterSavers.com

Lawn can tolerate a lot of water before it starts to show signs of stress. Because of this, it's typically overwatered. One way to conserve water and maintain plant health is to avoid overwatering.

<https://conservewater.utah.gov/weekly-lawn-watering-guide/>

Cycle Recommendations

This chart shows how different sprinkler heads apply water differently. Notice that faster precipitation = a shorter runtime.

Head Type	Precipitation Rate	Run Time for 0.5"	Cycle Recommendation
Spray Head	1.3" - 2.0"	15 - 23 min	3 cycles (8 or 5 min)
Rotor Head	0.4" - 1.0"	30 - 75 min	3 cycles (25 or 10 min)
MSMT Head	0.4" - 0.6"	30 - 50 min	3 cycles (25 or 17 min)

*Information courtesy of the Center for Water Efficient Landscaping, Utah State University

Cycling Recommendation: In areas with clay soils, split up sprinkler run times in three cycles with short pauses to allow the ground to absorb the water and prevent runoff. The method is called the "cycle and soak" method.

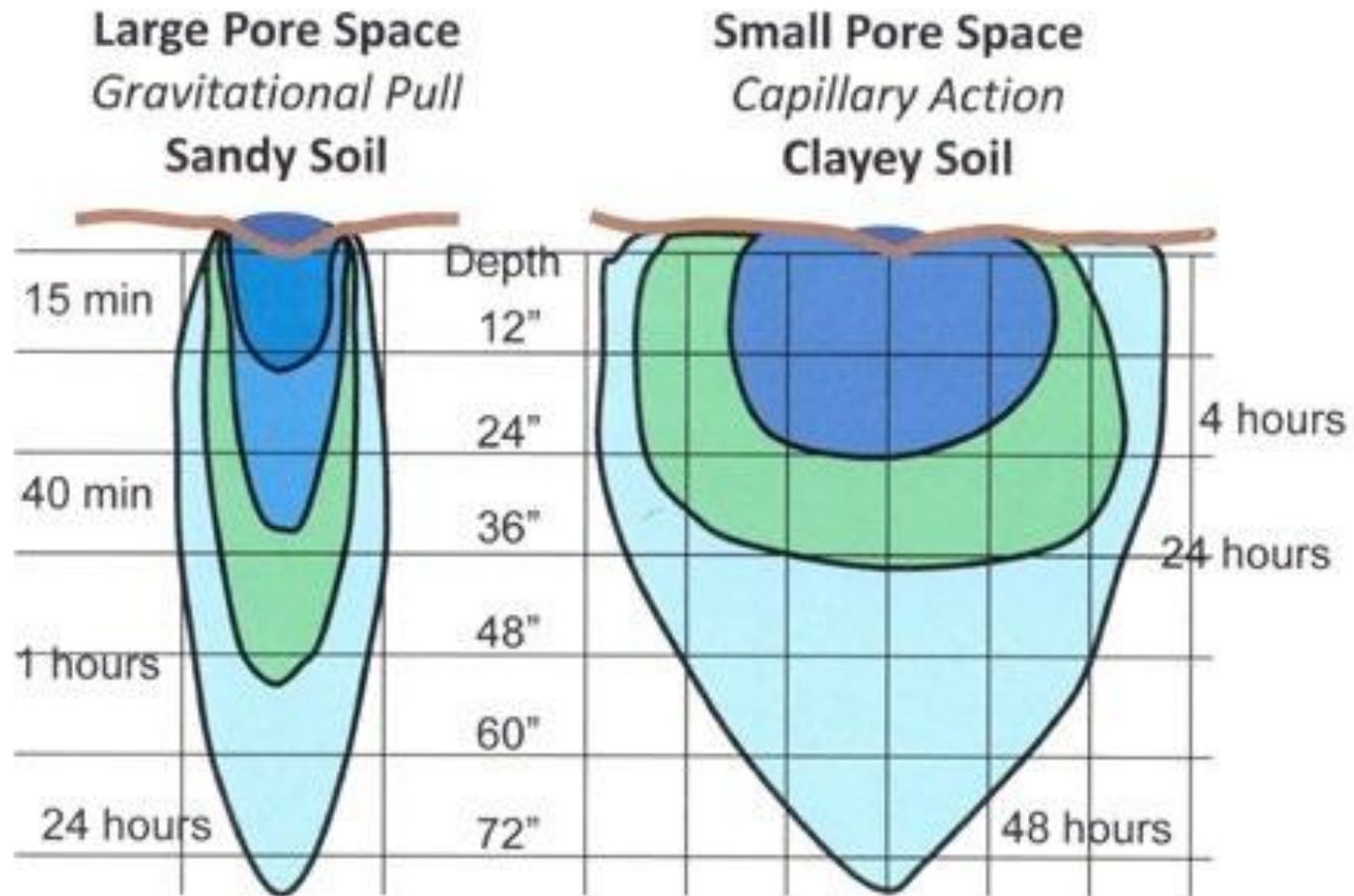
Did you know that weather-based irrigation controllers use weather stations to determine how frequently your irrigation system should turn on? When programmed correctly, these controllers have the potential to save a lot of water. Find out if you qualify for irrigation controller rebates or other rebates and incentives at

UtahWaterSavers.com

Guía de riego en español

Station Data

Soil Texture and Drainage



Drip irrigation types

In-Line
Drip



Point Source
Drip



Japanese Anemone / Windflower



Anemone sylvestris
Bloom: Spring
Zones 4-8
Size: 1' H X 1.5' W
Medium Water



Anemone x hybrida 'September Charm'
Bloom: Late Summer to Fall
Zones 4-8
Size 2' H X 4' W
Medium Water

Lady's Mantle

- *Alchemilla mollis*
- Bloom: Late Spring, Chartreuse
- Zones 3-8
- Size: 1.5' H X 2' W
- Medium Water



Columbine

Aquilegia sp.

Bloom: spring, lots of color options

Zones 3-8

Size: 2.5' H X 1' W

Medium Water



Siberian bugloss

Brunnera macrophylla

Bloom: Spring, Blue

Zones 3-8

Size: 1.5' H X 2' W



Plumbago

*Ceratostigma
plumbaginoides*

Bloom: July – September,
deep blue

Zones 5-9

Size: 1' H X 1.5' W



Bluebell / Bellflower

Campanula rotundifolia

Bloom: Early Summer, Blue, Pink,
White

Zones 3-6

Size: 1.5' H X 1' W





Corydalis

Corydalis flexuosa, & *Corydalis lutea*

Bloom: spring-early summer, Blue or Yellow

Zones 5-8

Size : 1' H X 1' W

Barrenwort

Epimedium sp.

Bloom: Spring, Pink/White

Zones 5-9

Size: 6" H X 1' W





Lilly of the Valley

Convallaria majalis

Bloom: Early Spring, White, Fragrant

Zones 2-5

Size: 8" H, Spreading

Sweet Woodruff

Galium odoratum

Bloom: Spring, White, Fragrant

Zones 4-7

Size: 9" H, Spreading

Moderate Water



Hardy Geranium

Geranium sp.

Bloom: Summer, Pink, Purple,
Lilac shades

Zones 4-7, varies based on sp.

Size: 1.5' H X 2' W





Japanese Forest Grass

Hakonechloe sp.

Foliage: Green, Variegated, Golden

Zones 5-9

Size: 1' X 1'

Lenten Rose

Helleborus orientalis

Bloom: Early Spring, Many color options

Zones 4-9

Size: 1.5' X 1.5'

Very drought and shade tolerant



Coral Bells

Heuchera sp.

Blooms: Spring, Red, White, Pink

Zones 4-9

Size: 1' X 1'



Hosta Sp.

Bloom: Summer, white or purple stalks, grown for foliage

Zones 3-8

Size: 6" – 3' depending on species.



Yellow Archangel

Lamium galeobdolon

Bloom: Late Spring, Yellow, Nice foliage for shade

Zones 4-9

Size: 1'-2' H & W

Dry soil, indicator plant



Spotted Deadnettle

Lamium maculatum

Bloom: Spring, Summer, White,
Pink, or Red-Purple

Zones 3-8

Size: varies, 8"-15"



Leopard Plant

Ligularia dentata

Bloom: Summer, Yellow-Orange

Zones 3-8

Size: 3' H X 2-3' W

Moderate Water and heavy Shade



Creeping Jenny

Lysimachia nummularia

Bloom: Late Spring/Summer, Yellow

Zones 3-9

Size: up to 6" tall, grown as Ground Cover or trailing over pots, rock walls, or terrace



Mountain Lover

Paxistima canbyi

Bloom: Spring, Green, Evergreen
foliage

Zones 4-7

Size: 1' H X 3' W

Good for shady slope or
understory ground cover

Winter interest



Penstemon Sp. for Part Shade



Wasatch Pen.



Bridges Pen.



Whipple Pen.

Jacob's Ladder

Polemonium caeruleum

Bloom: Spring, Blue or White

Zones 4-8

Size: 2' X 2'



Lungwort

Pulmonaria longifolia

Bloom: Spring, Pink, Blue, or Purple

Zones 3-8

Size: 6"-12" X 1'-2' W





Speedwell

Veronica – Upright “Royal Candles”
and Ground Cover “Turkish”

Shrubs for Shade

- Kerria (pictured here)
- Dogwood sp.
- Oakleaf hydrangea
- Oregon grape
- Service berry
- Sumac
- Viburnum
- Daphne
- Yew
- Boxwood



Resources & References

- Missouri Botanical Gardens Plant Finder
- Red Butte Gardens
- High Country Gardens (online catalogue)
- Plants databases & public gardens
 - Weber Basin Water Conservancy District
 - Jordan Valley Conservation Garden Park
 - Segoe Lilly Gardens Plant List
- Local Nurseries



WEBER BASIN WATER
**LEARNING
GARDEN**

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Monthly Newsletter

