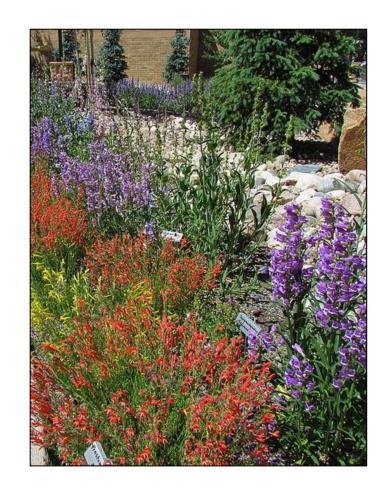
Xeriscaping & Water-wise Gardens

Buffalo Garden & Rural Living Expo March 18, 2023

Micah Most, Johnson Co. Extension





A note on the word

Xeriscape → "Zehr-ih-scaype"

Term created by Denver Water

Greek "xeri" dry + "scape" scene

• NOT ZERO-scape

Xeriscape = water-wise





ZERO-scaping





Xeriscape Design Denver

ZERO-scaping





Alpine Contracting, Colorado Springs

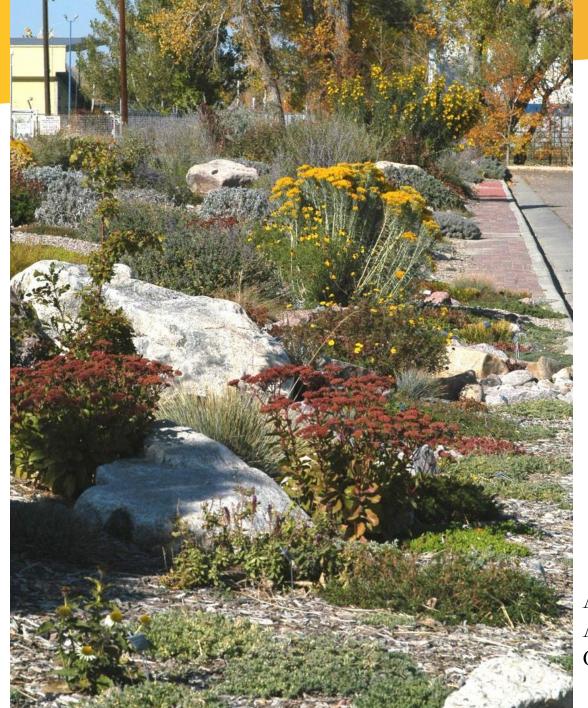
XERIscaping

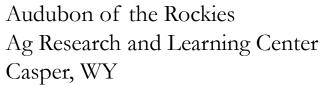




Audubon of the Rockies, Windsor, CO

XERIscaping







What are your goals?

- Conserve water
- Provide pollinator habitat
- "Save the bees"
- Spend less time and effort to maintain
- Aesthetics
- What else?



Brenna Marsicek



Reasons to Consider

- Reduce water use
- Encourages use of native plants
 - Tolerant of WY soils
 - Supports native pollinators
- Work with nature instead of against
- Save time and money



Brenna Marsicek



Ecosystem Template

Shortgrass prairie, alpine meadow







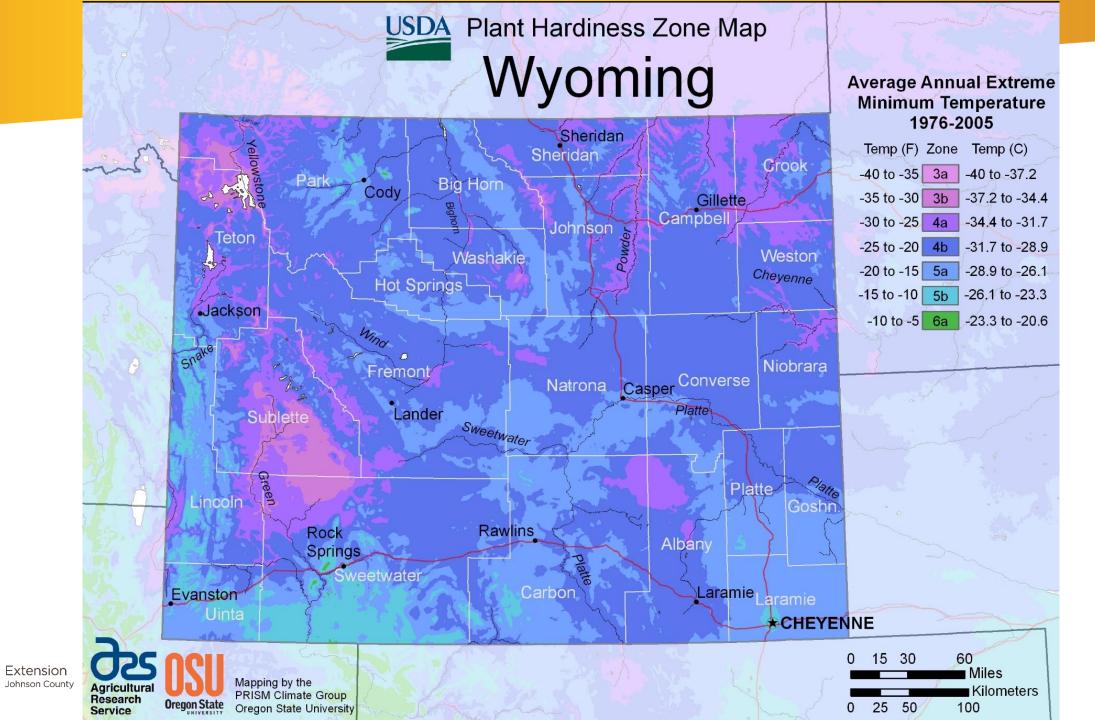
Temper expectations, we are not the rainforest



LANDSCAPING: WATER-WISE WYOMING GARDENS



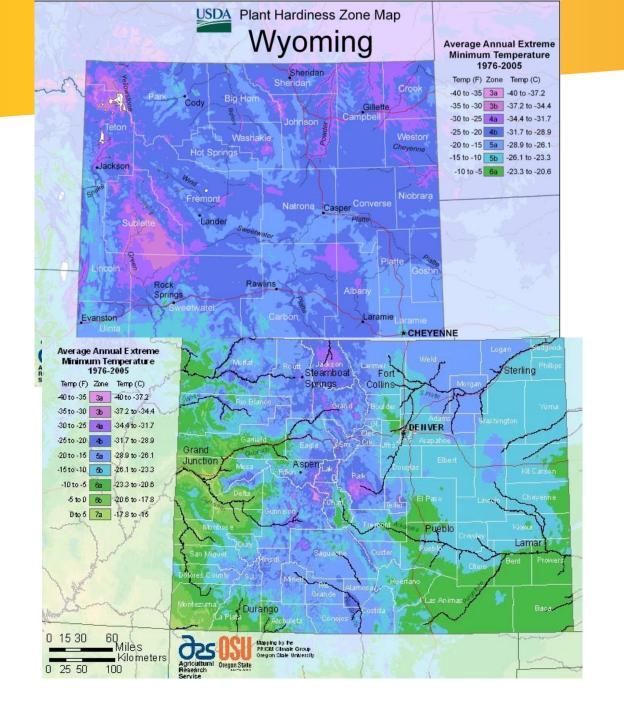
















LANDSCAPING: WATER-WISE WYOMING GARDENS





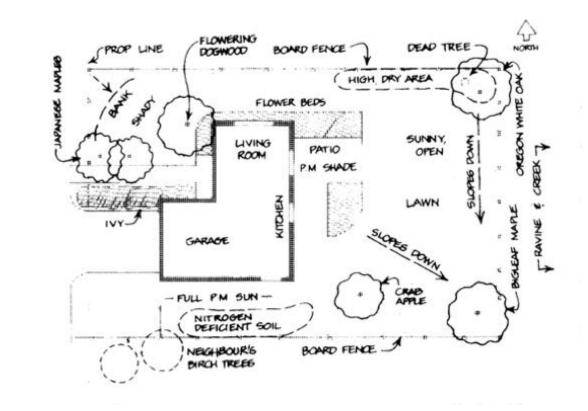
1- Developing a Landscape Plan



Landscape Plan

Consider

- Exposure
- Prevailing winds
- Water sources
- Existing infrastructure above and below ground
 - Power, phone, internet, sewer





Call 811





2- Limit Turf Areas



Turf grasses are thirsty

- Demand a lot of water to stay green
- Not native
- Not adapted
- Management intensive



This Old House

- Limit to smaller area
 - Determine child/pet requirement
- Use curving borders to make mowing easier



To the pollinator . . .







Traditional Turf Alternatives

DOG TUFF™ GRASS PLUGS

◆® PRONUNCIATION





Dog Tuff™ Grass (Cynodon 'PWINO4S') is an amazing, highly drought-resistant lawn grass perfect for high traffic and play areas. It has excellent durability in yards with dogs and is resistant to yellowing from dog urine. Once established, this warm-season grass is highly weed resistant, deep-rooted and provides a soft, cushioned feel for bare feet. It only grows 2 ½-4 inches high, so you need not mow it unless you prefer a manicured look. 2015 Green Thumb Award Winner.

Zones	5 - 10
Advantages	✓ Groundcover
Light Requirements	₩ Full Sun
Water Tolerance	



Traditional Turf Alternatives

Clover Lawn

- Aerate
- Overseed with clover
- Pollinator friendly





3- Selecting and Zoning Plants Appropriately



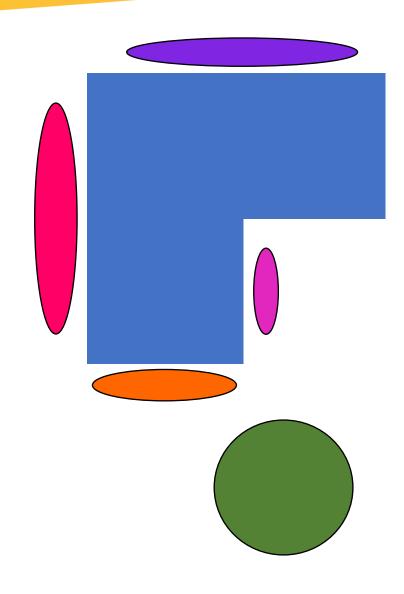
Microclimates

Defined: "The suite of microclimatic conditions measured in localized areas near the earth's surface"



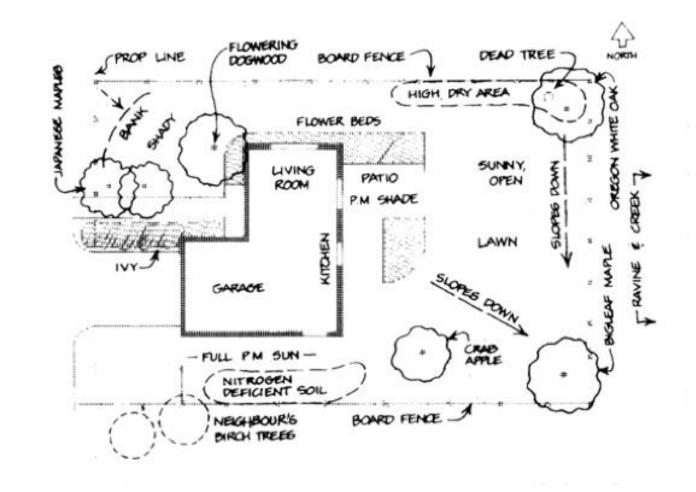
Microclimates

- Full sun, hot, dry
- Morning shade,
 afternoon sun, hot
- Morning sun,
 afternoon shade, cool
- Full shade, cool, wet





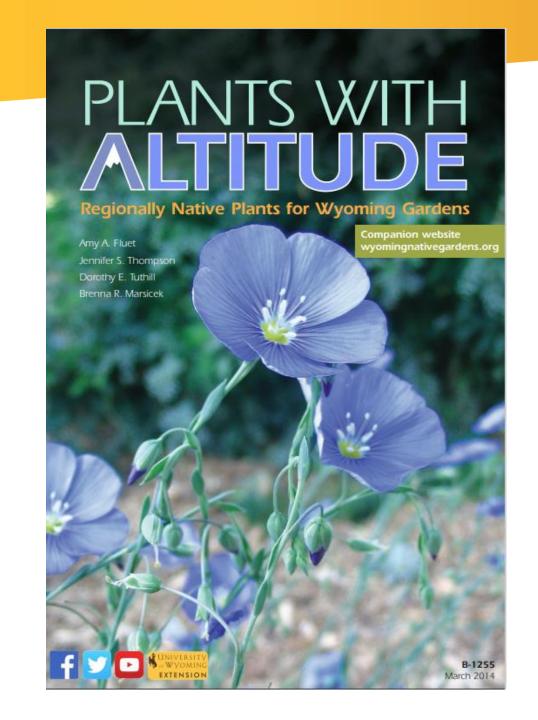
Microclimates





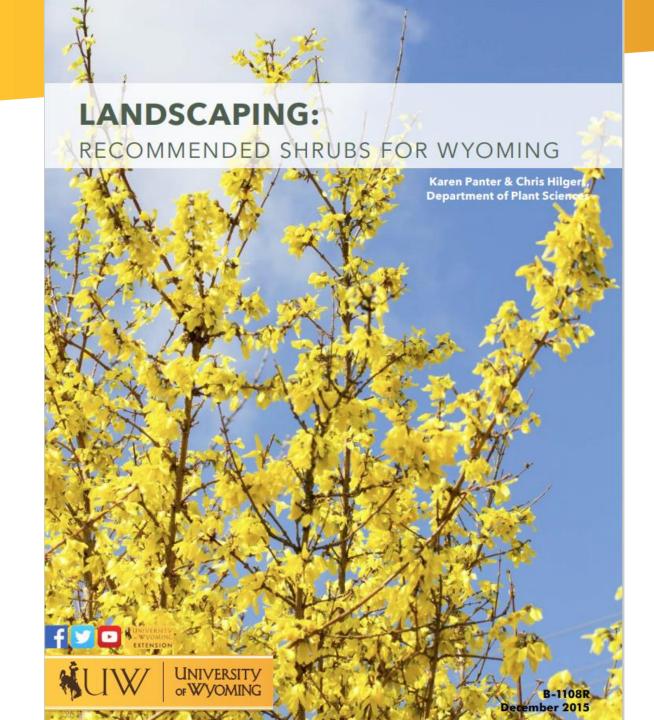
• Online as pdf

\$5.00 + shipping ~\$4.02 to ship to Buffalo = \$9.27





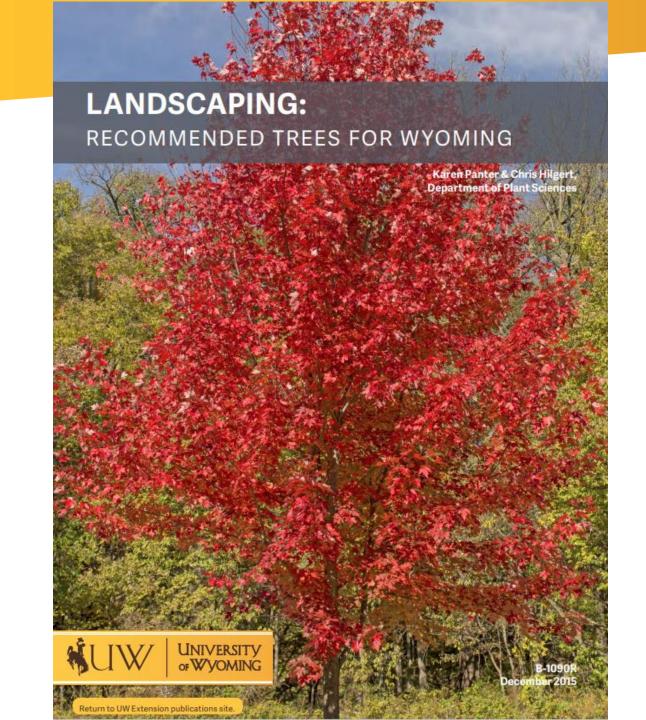
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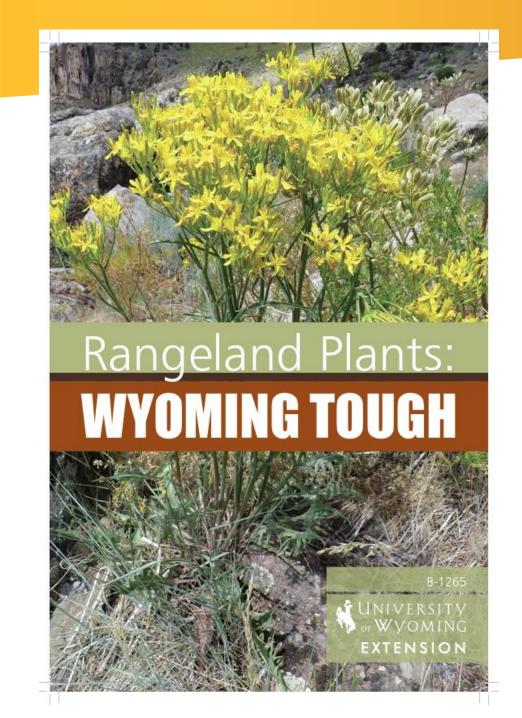


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• Online as pdf



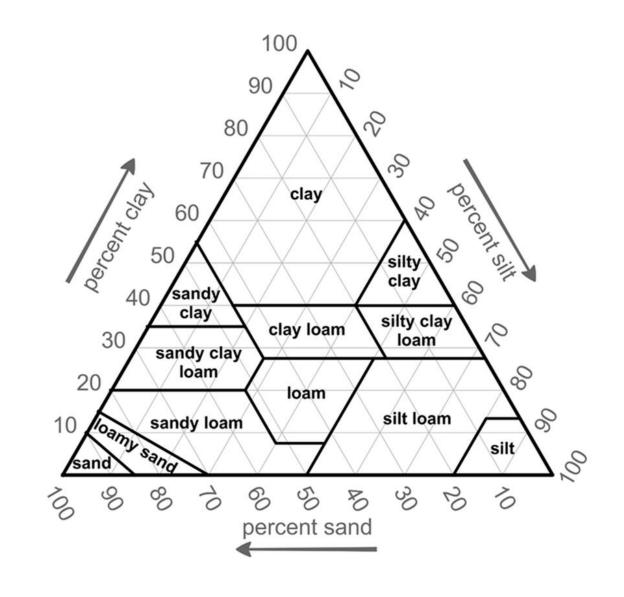


4- Improving the Soil



Wyoming Soils

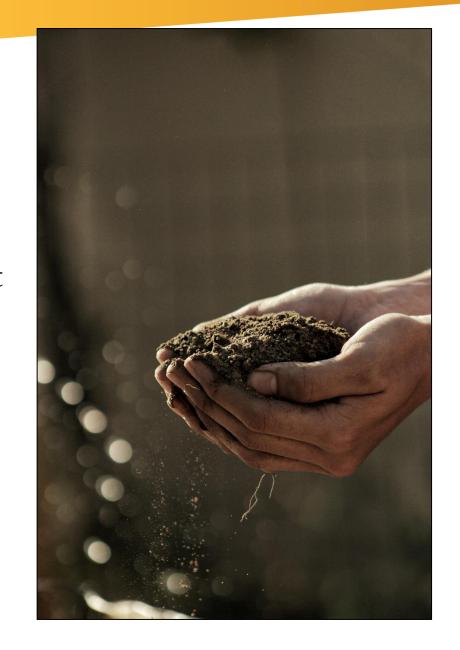
- High pH (alkaline)
- Saline





Soil Testing

- In Buffalo Clear Creek Conservation District
 - Quart size Ziplock
 - Representative sample
 - 307-620-3021
- Extension office can help interpret results





5- Using Mulches



Why mulch?

- Retain water/reduce evaporation
- Limit weed invasion
- Moderate temperature swings
- Add organic matter



Twin Oaks Landscape



What kind of mulch?

- Plant material improves soil
 - Wood chips
 - Grass clippings watch for herbicide residue
 - Leaves
- Compost improves soil
 - Know your source
 - Weed seeds if not hot composted
 - Manure good if aged well
- Rocks/gravel
 - Retain heat







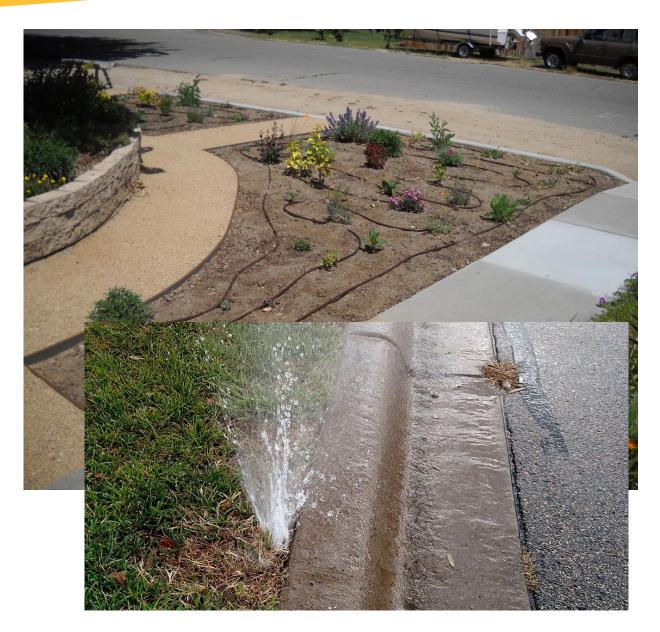
6- Irrigating Efficiently



Water-wise \neq no watering

- Target water to plants
 - Drip system
 - Soaker hose
- Reduce evaporation loss
 - Water during coolest hours: night or early morning
 - Do not water when very windy
- Adjust sprinkler heads
 - Fix if broken





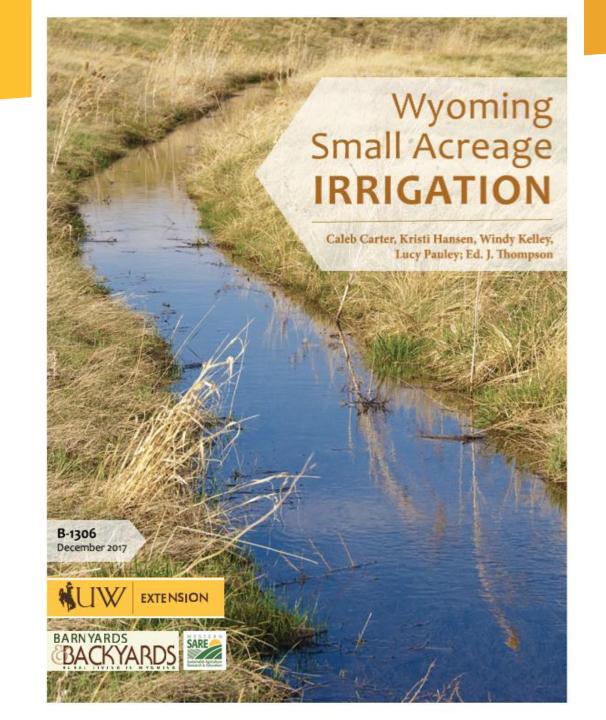
Water-wise \neq no watering

- Group plants by water needs
- Use a timer





• Online as pdf





7- Maintaining Properly



Low maintenance \neq no maintenance

- Baby plants first year as they get established
- Weeding
- Deadheading
- Thinning
- Fertilizing
- Occasional mowing



So... What to plant??





... It depends.

• Property goals

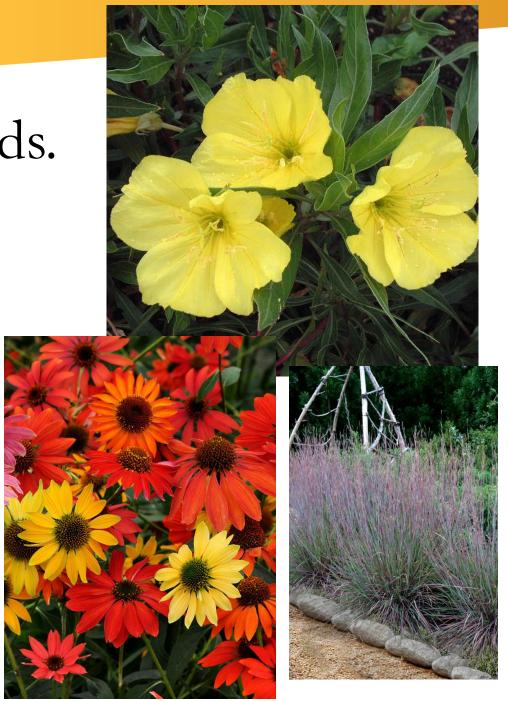
• Hardiness zone

• Exposure

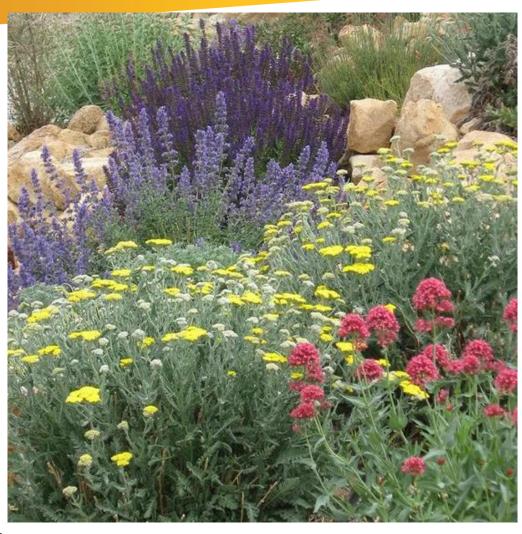
• Soils

• Water access





Looking for inspiration?



- Pay attention to what grows well in local natural spaces
- Walk around your neighborhood and check out yard spaces
- Casper ARLC Gardens
- Cheyenne Botanic Gardens
- COMING SOON! Visit the water-wise landscape bed at the Buffalo Community Garden



Looking for inspiration?



The Garden Store



Alpine Glow

Full Sun | 72 sqft | 23 starter plants



Colorado Oasis

Adaptable | 60 sqft | 15 starter plants

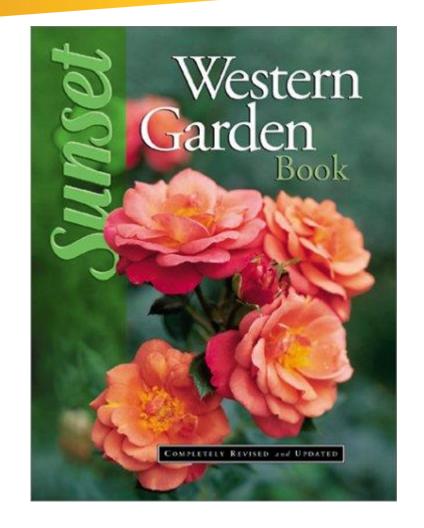


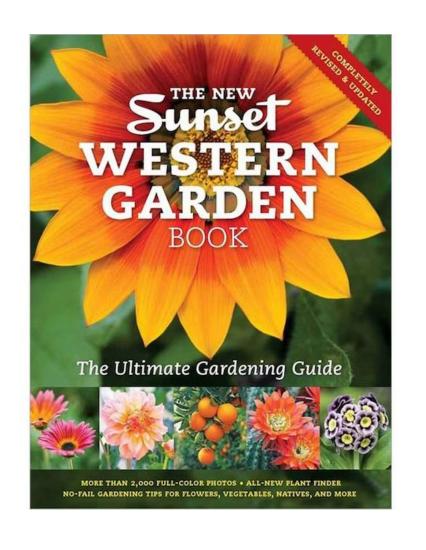
Curbside Charm

Full Sun | 100 sqft | 28 starter plants



Looking for inspiration?





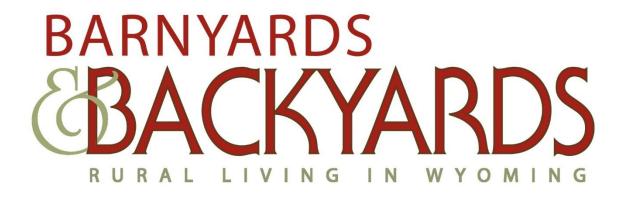


Resources

- Plants with Altitude UW Extension
- Landscaping: Recommended Shrubs for WY UW Extension
- Rangeland Plants: WY Tough UW Extension
- Piney Island Native Plants Sheridan, WY
- Wyoming Plant Company Casper, WY
- Cheyenne Botanic Gardens
- High Country Gardens Colorado
- Plant Select Colorado











Follow along on social media!

(a) UW Extension Johnson County









Upcoming Events

- Wyoming Bee College
 - March 24-25th in Cheyenne
 - wyomingbeecollege.org
 - cwissner@uwyo.edu

- Country Living: An Intro to Small Acreage Living
 - April 8th in Buffalo
 - Amanda @ CCCD
 - 307-620-3021



Thanks for listening



Johnson County Extension

QUESTIONS?

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307-684-7522



