



NATIVE PLANT USE IN HORTICULTURE

NEAL DOMBROWSKI
RED BUTTE GARDEN AND ARBORETUM
FEBRUARY 2020

Criteria for selection of plants

WHAT'S IMPORTANT TO YOU?

WEED CONTROL, REDUCTION

WATER USE

EXPOSURE

- LIGHT REQUIREMENTS,
- AVAILABILITY

BLOOM

- TIME,
- LENGTH,
- REBLOOMING,
- COLOR,
- FRAGRANCE

• PEST RESISTANCE

GROWTH FORM

PLANT STRUCTURE

MASS PLANTING

VIABILITY

- SELF SOWING, RESEEDING
- STERILE,
- SPREADING

EVERGREEN

PLANT USE

INTERPLANTING

SLOPE STABILIZATION

POLLINATORS



INFORMATION ON THIS PRESENTATION

VARIABLE BASED ON CLIMATE, PLANTING SITE, AND LANDSCAPE GOALS

USDA ZONE CLASSIFICATION

REGIONALLY NATIVE

CLIMATE SIMILARITIES

THE PLANTS

PHOTOGRAPHS



The Butte Garden Plant Sale



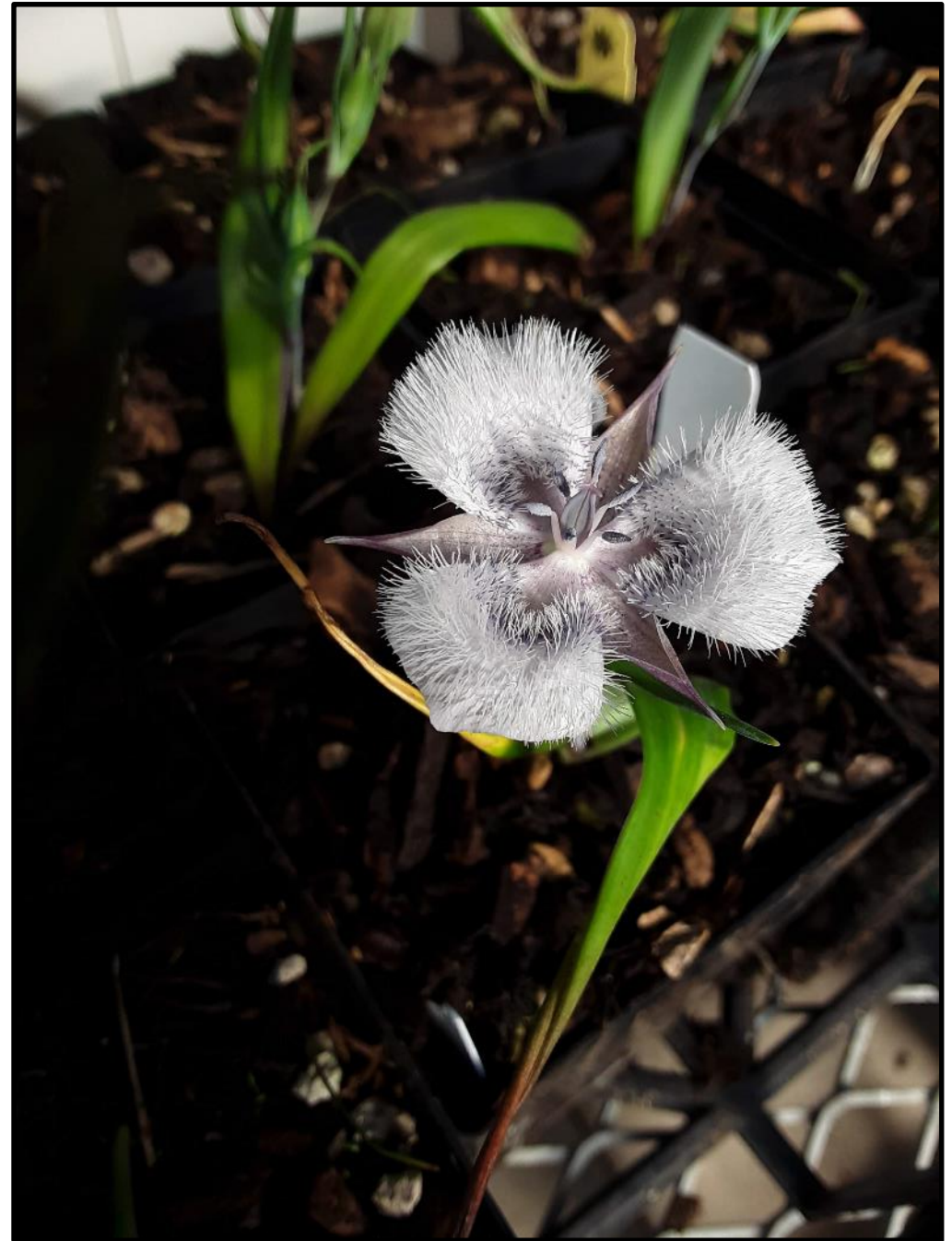
Sectional changes
Nativity
Availability?
About Natives in Horticulture



Crevice Garden
Entrance Gardens
Water Conservation Garden
Dumke Horticultural Center
Root top Gardens

FORBS

Perennials, herbaceous, the flowers



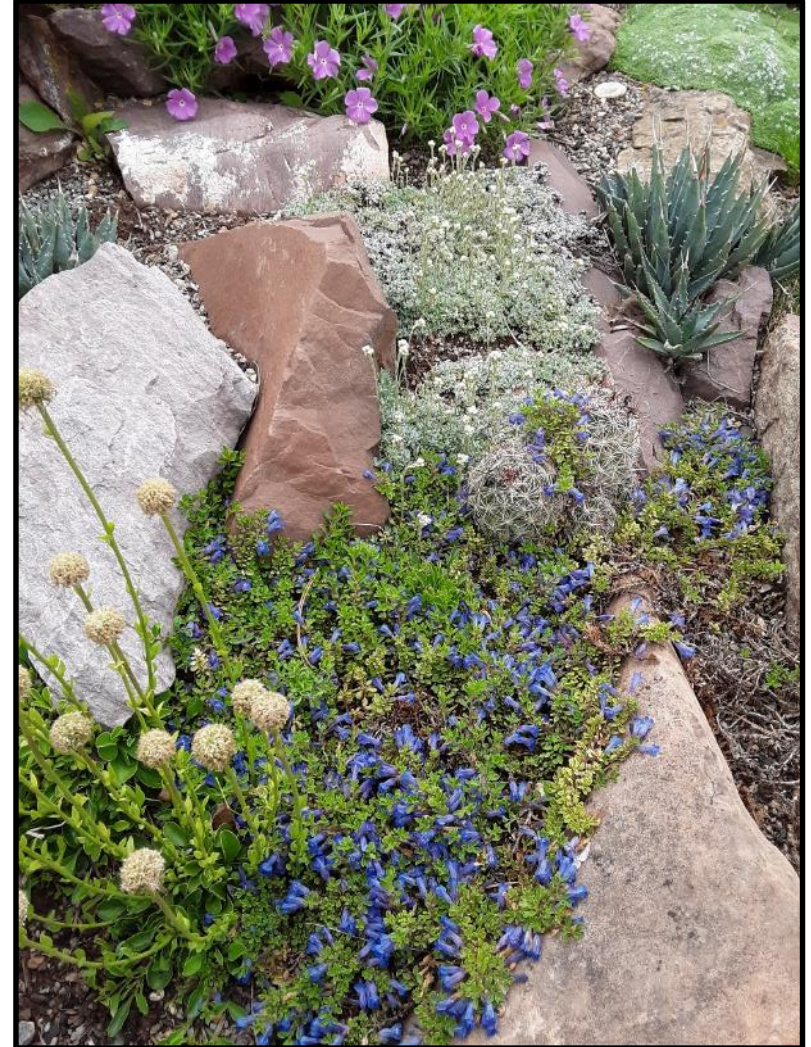
PUSSYTOES

Antennaria microphylla, *A. parviflora*
- growth form, evergreen, spreading -



Century Plant

Agave utahensis, *A. parryi* ssp. *neomexicana*
- specimen, evergreen, structure -



Milkweed – all the buzzzzzzzz

Asclepias speciosa, *A. fascicularis*, *A. asperula*, *A. latifolia*, *A. subverticillata*, *A. labriformis*, *A. hallii*
seed mix

- pollinators, interplanting -



Chocolate Flower

Berlandiera lyrata
regionally native, seed mix
- reseeds, fragrance, color -



Winecups

Callirhoe involucrata

regionally native

- color, structure, water use,
interplanting -



Prairie Clover

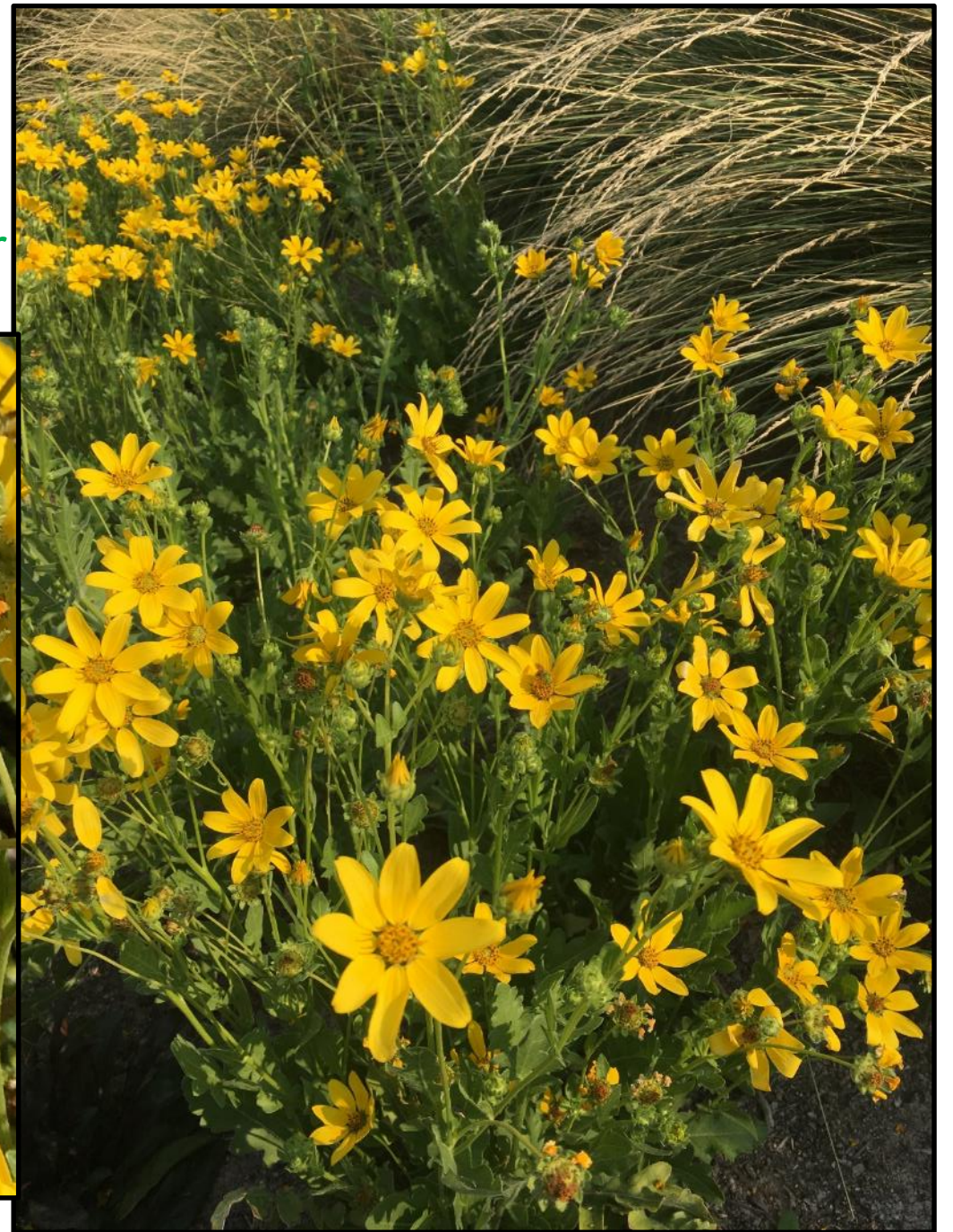
Dalea purpurea, *D. candida*
- pollinators, meadow planting, color, form -



Engelmann's Daisy

Engelmannia peristenia
regionally native

- bloom length, reblooms, mass planting, interplanting, water use -



Desert Fleabane

Erigeron linearis, *E. utahensis*
- interplanting, early bloom, water use, color -



Spreading Fleabane

Erigeron flagellaris

- weed control, mass planting, dry shade, groundcover, bloom time, spreading, reseeding, color, form -



The Buckwheats

Eriogonum corymbosum, *E. wrightii*, *E. umbellatum*, *E. ovalifolium*, *E. jamesii*, *E. caespitosa*, *E. heracleoides*, *E. racemosum*
- interplanting, water use, color -





Woolly Sunflower

Eriophyllum lanatum

- mass planting, bloom time and amount, color, foliage, structure -

Utah Sweetvetch

Hedysarum boreale
seed mix

- restoration, nitrogen, slope stabilization, pollinators, color, water use, viability -



Hairy False Goldenaster

Heterotheca jonesii, *H. villosa*

- Myrtle spurge, mass planting, native habitat, viability, water use -



Saucer (stemless four nerve) Daisy

Hymenoxys (Tetraneuris) acaulis, H. scaposa, H. yorreyana, H. grandiflora
- bloom length, color, mass planting, viability, water use,





Mountain Hollyhock

Iliamna rivularis

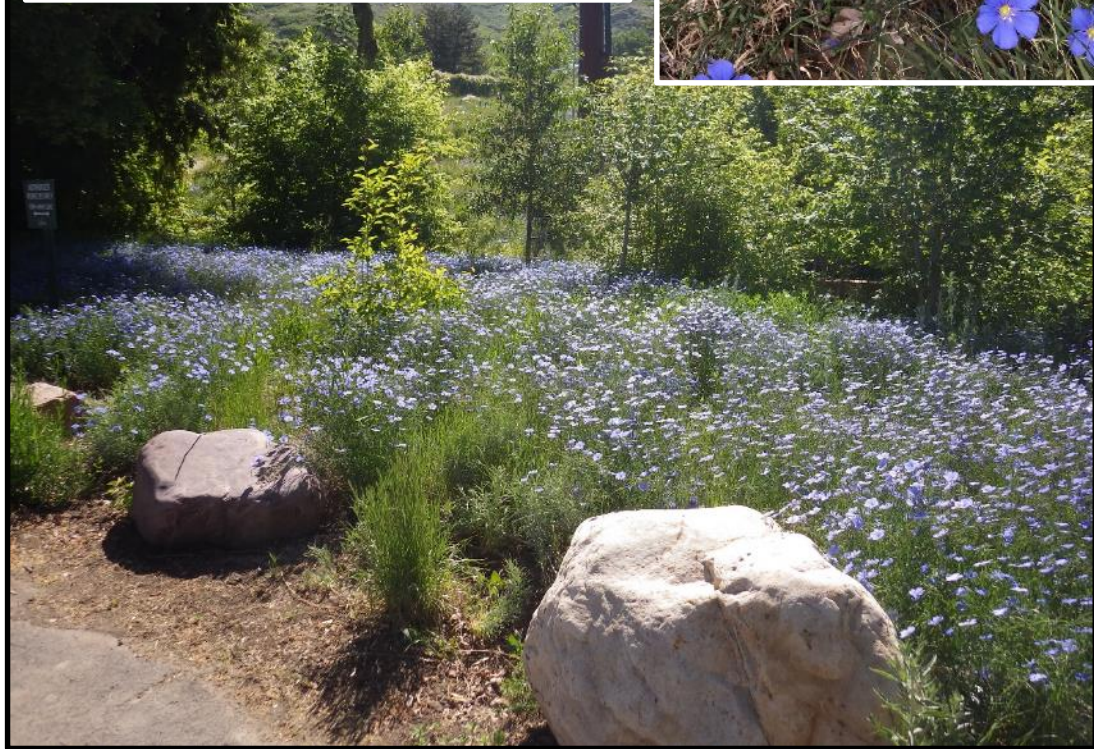
- dry shade, color, mass planting, pollinators -



Blue Flax

Linum lewisii, *L. perenne*
seed mix

- color, mass planting, restoration, viability, growth
form, bloom length -



Blackfoot Daisy

Melapodium leucanthum

regionally native

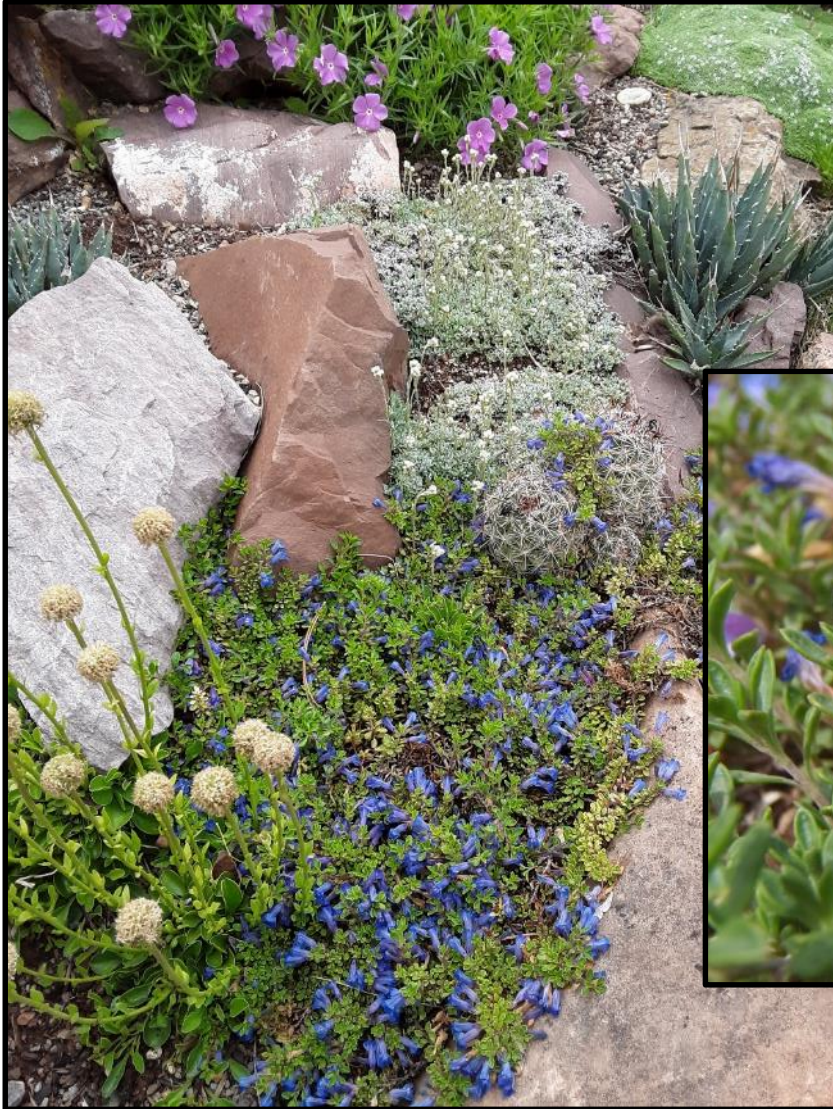
- bloom length, mass planting, color, water use



Mat Beardtongue

Penstemon caespitosus

- specimen, growth form, color, flower size, evergreen, water use -





Wasatch Beardtongue

Penstemon cyananthus

- specimen, flower color, water use, pollinators, evergreen -



Large Flowered Beardtongue

Penstemon grandifloras

- specimen, flower size, color, evergreen -



Uintah Mountain Beardtongue

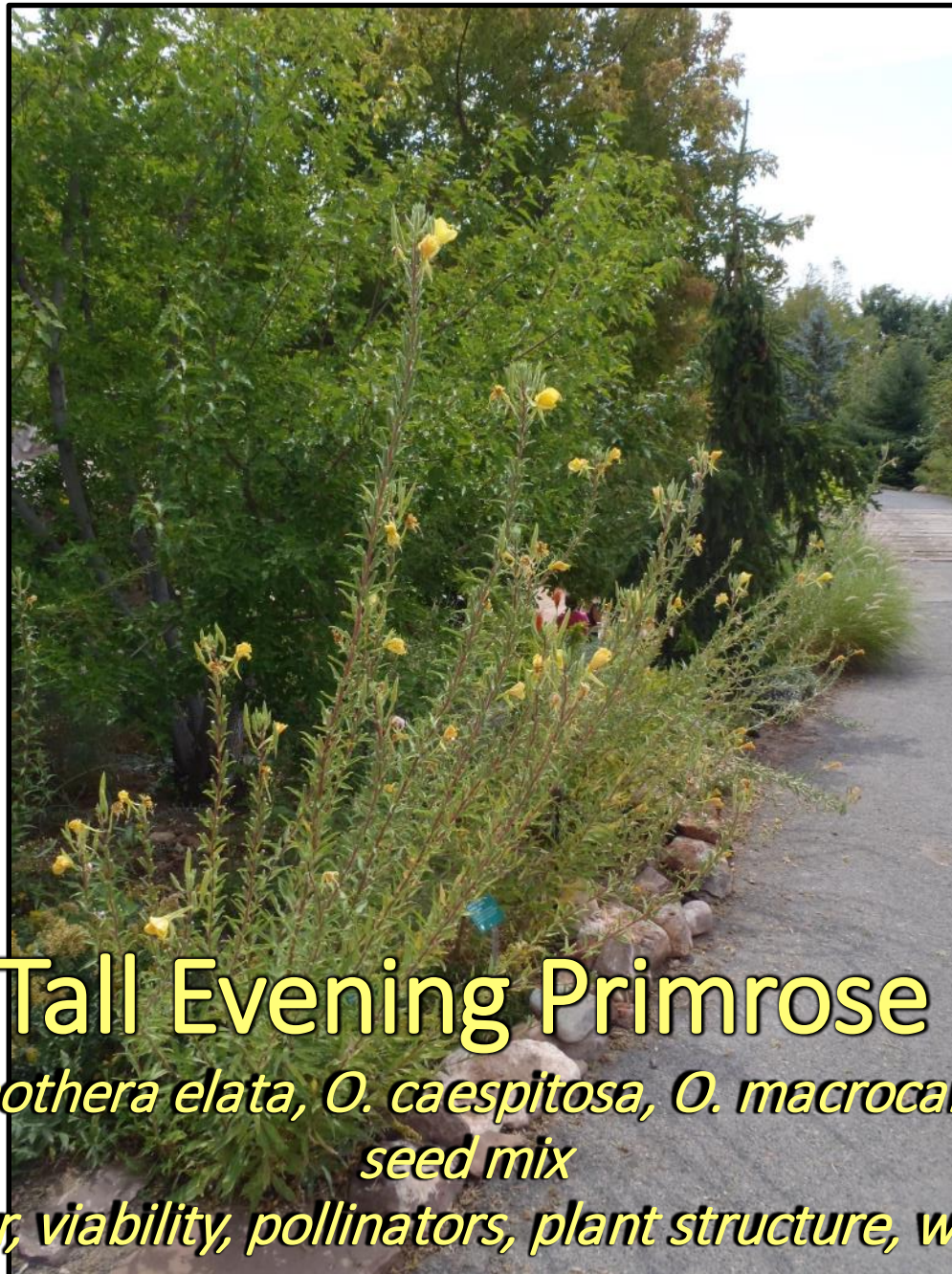
Penstemon uintahensis
- specimen, amount of flowers -



Prairie coneflower

Ratibida columnifera, R. pinnata
seed mix

- meadow planting, mass planting, viability, bloom
length, water use -



Tall Evening Primrose

Oenothera elata, O. caespitosa, O. macrocarpa
seed mix

- size, color, viability, pollinators, plant structure, water use -



Golden Banner

Thermopsis montana, T. divaricarpa
- shade tolerant, water use, color, nitrogen
fixing -

Rocky Mountain Zinnia

Zinnia grandiflora, Z. acerosa

- water sue, groundcover, for, color, mass planting,
spreading, weed control -





SHRUBS



Rock Daisy

Perityle stansburyiana
- specimen, fragrance, water use -



Leadplant

Amorpha nana, *A. canescens*
regionally native

- structure, color, shrub, nitrogen fixer, mass planting, water use -



Staghorn Sumac

Rhus typhina, *R. aromatica*

- structure, plant form, water use, small tree (powerlines, etc.), color, deer resistance, use -



Mormon Tea

Ephedra viridis, *E. nevadensis*, *E. equisetina*, *E. regeliana/minima*
- evergreen, deer resistance, water use, mass planting, inter planting, structure, use -



CLIFFROSE & BITTERBRUSH

Purshia mexicana, *P. stansburiana*, *P. tridentata*

- evergreen, deer resistance, fragrance, color, structure, water use -



OREGON GRAPE

Mahonia repens, M. fremontii

- evergreen, dry shade, use, water use, color, fragrance, deer resistance, form, light requirements, weed control -



Apache Plume

Fallugia paradoxa

- form, attractive, mass planting, deer resistance, water use -



Cliff Fendlerbush

Fendlera rupricola

- specimen, water use, flower, growth form -



CURRENT

Ribes sanguineum

(*R. alpinum*, *R. cereum*, *R. aureum*)

regionally native

- use, water use, color, form, deer resistance, fragrance -



Yucca harrimaniae

Y. nana, *Y. utahensis*, *Y. baccata*

- shade tolerant, structure, evergreen, use, flower, water use -



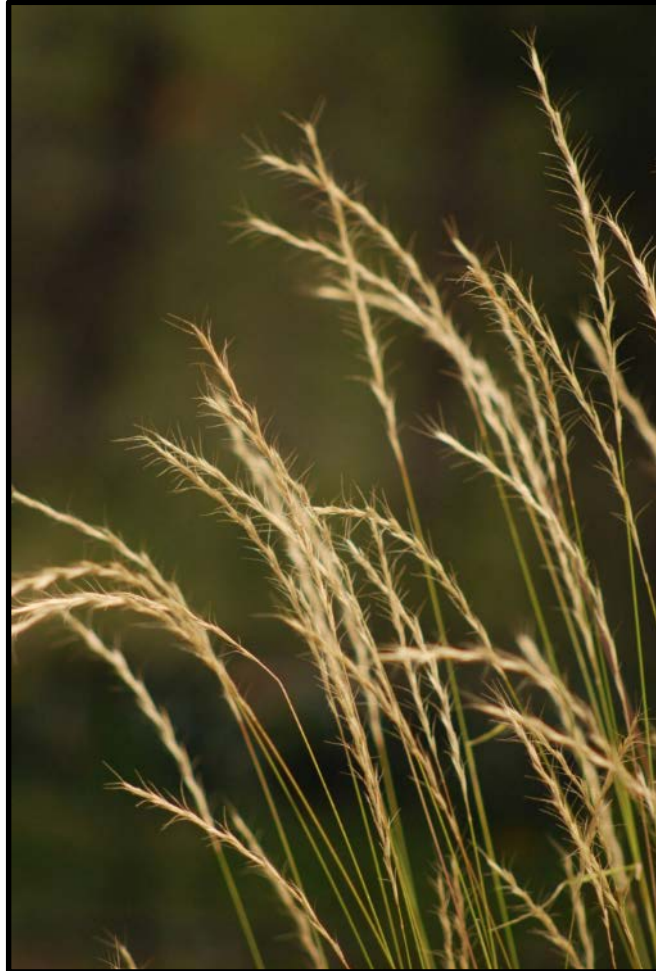
GRASSES



WHEATGRASS

Elymus (Pseudoroegneria) *spicata*, *E. glaucus*

- form, viability, maintenance, water use, interplanting,
filler, color, pest resistance -



BLUE GRAMA

Bouteloua gracilis
seed mix

- water use, interplanting, pest resistance, form,
viability, low maintenance, mass planting -



SIDE OATS GRAMA

Bouteloua curtipendula

- water use, interplanting, pest resistance, form, low maintenance, viability, mass planting -





LITTLE BLUESTEM

Schizachyrium scoparium
seed mix

- water use, interplanting, pest resistance, form,
low maintenance, viability, mass planting -

Great Basin WILDRYE

Leymus cinereus

- water use, interplanting, pest resistance, form,
viability, maintenance, mass planting -



DROPSEED

Sporobolus heterolepis, *S. airoides*, *S. crypandrus*

- water use, interplanting, pest resistance, form, viability, maintenance, mass planting -



TREE(S)



MOUNTAIN ASH

Sorbus scopulina
- small tree option, up to 15' -



Seed Packets

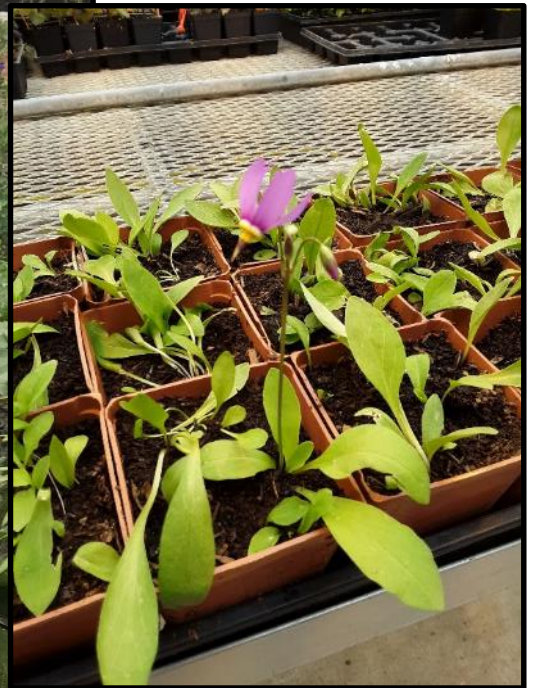
Current

- Utah Sweetvetch
- Blue Flax
- Prairie Coneflower
- Showy Milkweed
- Tall Evening Primrose
- Rocky Mountain Beepalnt
- Chocolate Flower
- Aspen Fleabane
- Palmers Penstemon
- Sideoats Grama
- Great Basin Wildrye
- Blue Grama
- Blue Wildrye
- Dropseed

Others

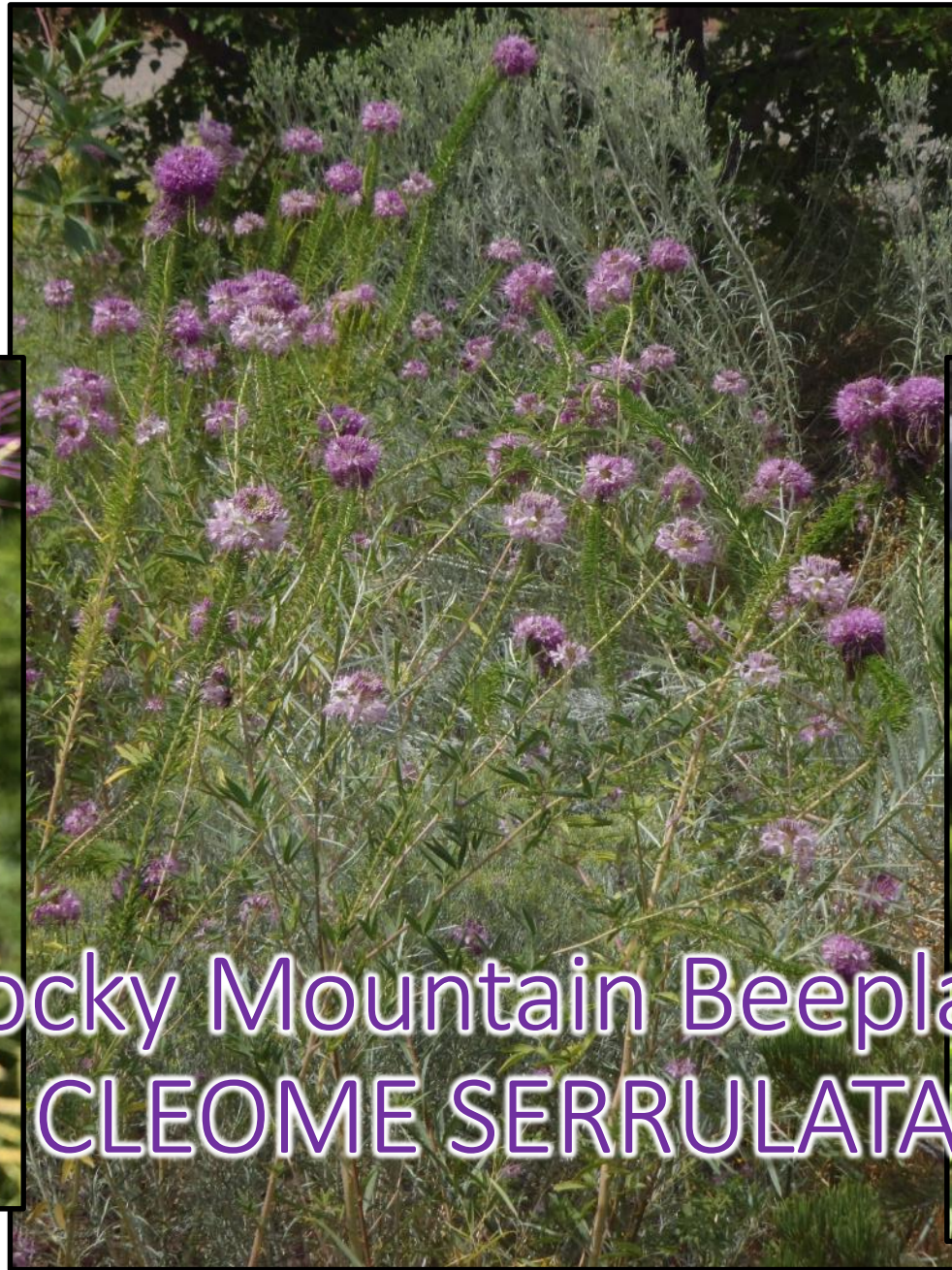
- Columbine - *Aquilegia caerulea*
- Little Bluestem Grass
- Bluebunch Wheatgrass





IN PRODUCTION

Possible availability: MAY 8 - 9 PLANT SALE?



Rocky Mountain Beeplant
CLEOME SERRULATA

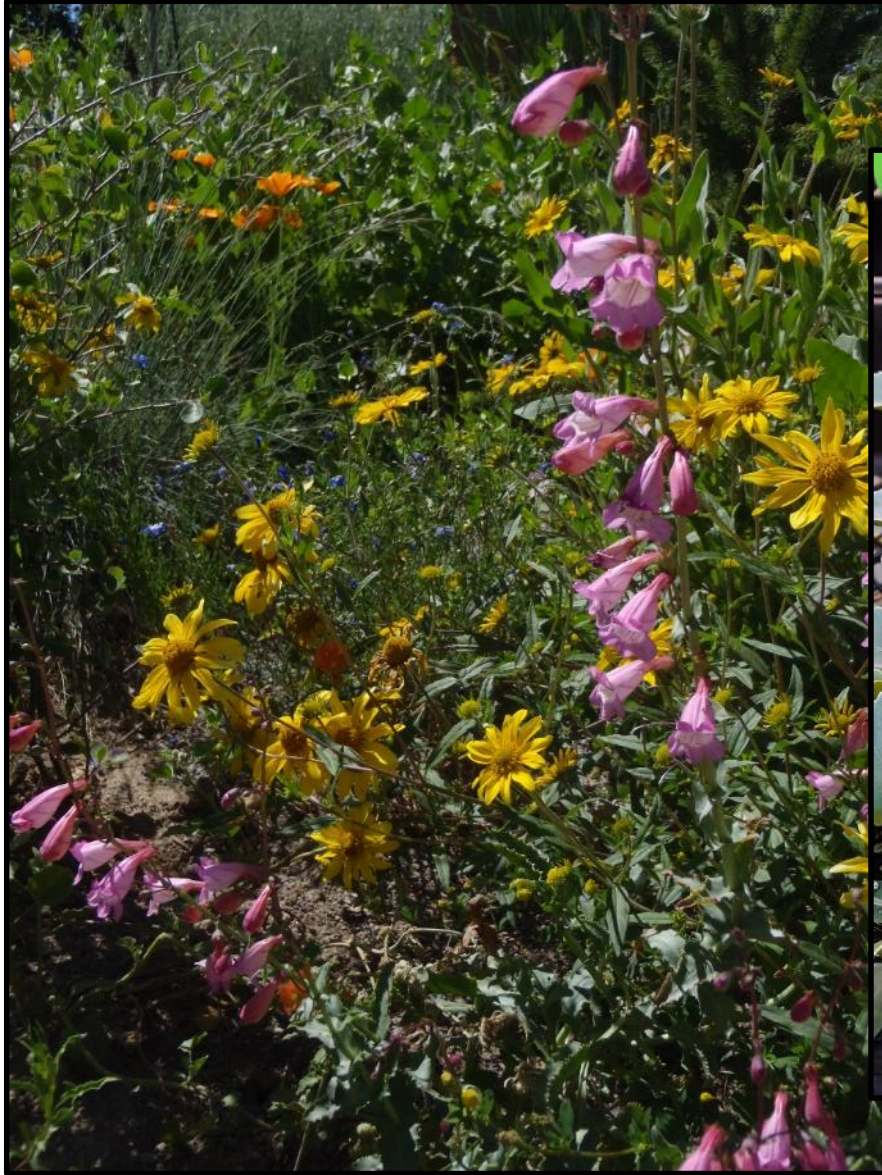
STONESEED

LITHOSPERMA RUDERALE



Sunset Crater Beardtongue

Penstemon clutei
- regionally native -



Prairie Beardtongue

Penstemon cobaea

- regionally native





New Mexico Beardtongue

Penstemon neomexicanus

- regionally native -





Broadleaf
Beardtongue
Penstemon platyphyllus

Lupine

Lupinus sp. (Lone Peak)



Utah fleabane

Erigeron utahensis, compare with *E. linearis*

HOPS TREE

Ptelea trifoliata

Paintbrush

Castilleja chromosa

Heartleaf Arnica

Arnica cordifolia

Pacific Anemone

Anemone multifida

Yerba Mansa

Anemopsis californica

