

# Pretty Tough Plants

## 2019

Ross Shrigley  
Executive Director  
Plant Select<sup>®</sup>

WIND. HAIL. SNOW. SUN. BRING IT ON.



# What is Plant Select®?

DENVER BOTANIC  
GARDENS

Colorado  
State  
University



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 **Plant Select®**  
plant smarter



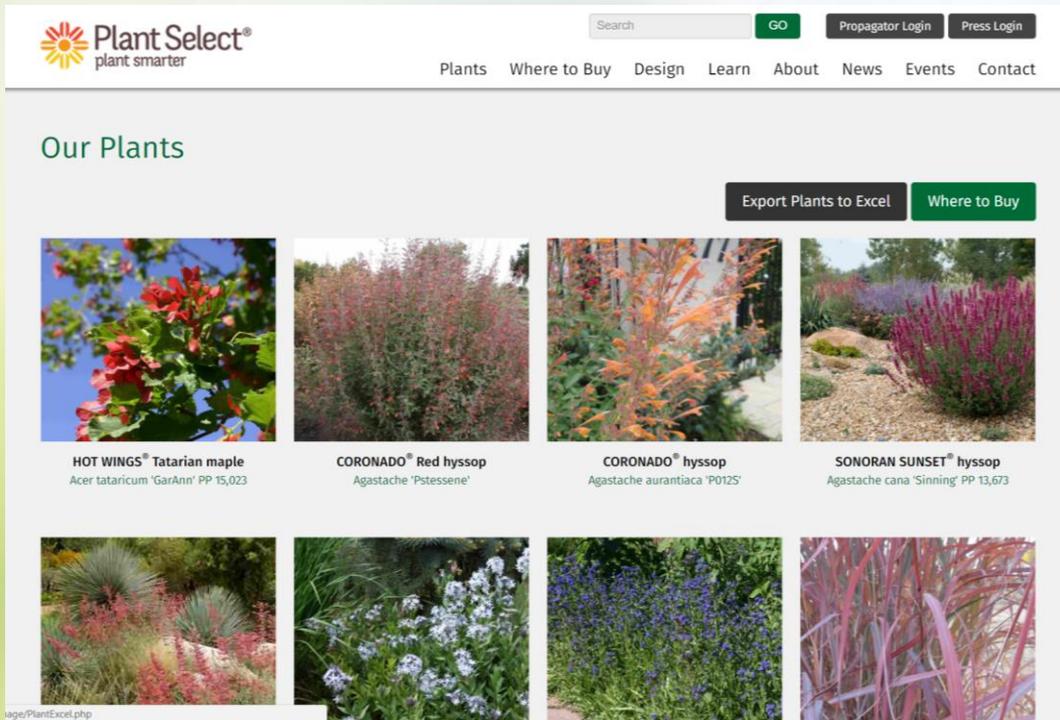
# Our 8-point selection criteria

- ✓ Thrive in a broad range of conditions
- ✓ Flourish with less water
- ✓ Tough and resilient in challenging climates
- ✓ Habitat-friendly
- ✓ One of a kind/unique
- ✓ Disease/insect resistance
- ✓ Long-lasting beauty
- ✓ Non-invasive

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# Have You checked out our plants at [www.PlantSelect.org](http://www.PlantSelect.org)?

## There are 153 GREAT plants to choose from!



Use the Export Plants to Excel tab  
Sort the plants by zone

- 34 plants are Zone 3 = 22%
- 77 plants are Zone 4 = 46%
- 39 plants are Zone 5 = 25%

There are plenty of tough plants to choose from for your landscape!

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Turkish veronica

Flowering Season April - June

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**Moroccan pincushion flower**

**Flowering Season late spring-summer**

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Red birds in a tree

Flowering Season June - frost

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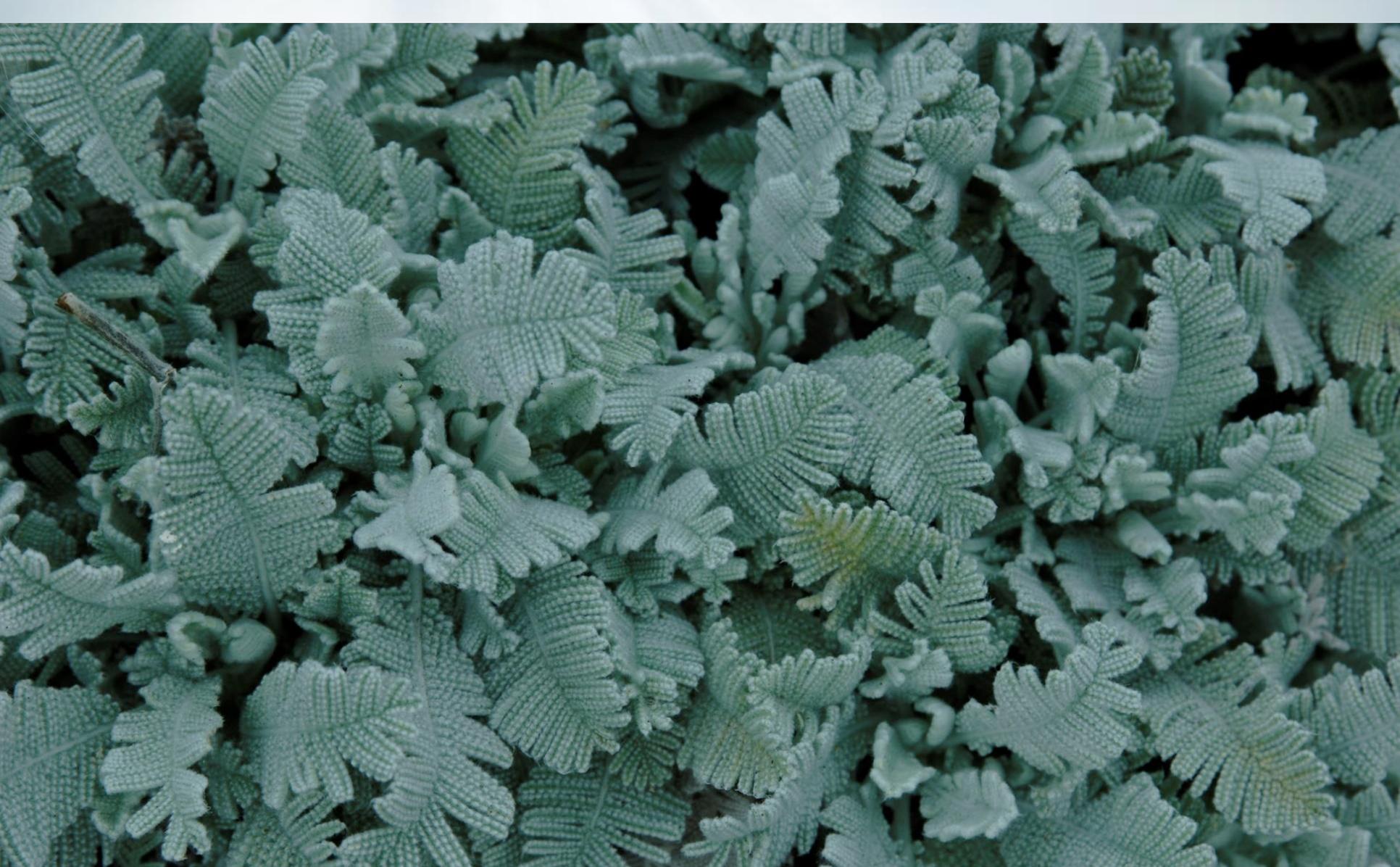


**Red feathers**

Flowering Season May - July

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**Partridge feather**

Flowering Season June

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**CORAL CANYON® twinspur**

Flowering Season Summer - frost

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**CORAL CANYON®** twinspur

Flowering Season Summer - frost

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**VERMILION BLUFFS<sup>®</sup> mexican sage**

**Flowering Season August-October**

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**KANNAH CREEK® buckwheat**

Flowering Season May - June

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**Denver Daisy**

Flowering Season summer-fall

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Colorado desert blue star

Flowering Season April- June

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**MONGOLIAN BELLS<sup>®</sup> clematis**

Flowering Season spring-summer

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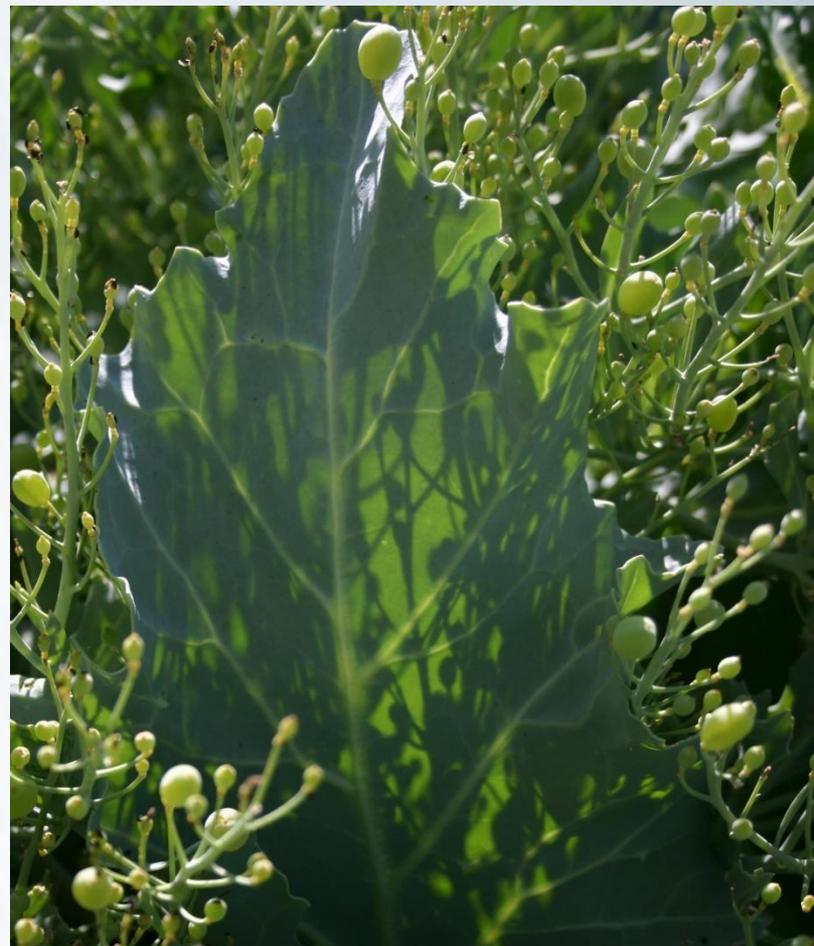


Summer-forget-me-not

Flowering Season May - October

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**Curly leaf sea kale**

Flowering Season May - June

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**Mojave sage**

Flowering Season August- September

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**Mojave sage**

Flowering Season August- September

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**Chocolate flower**

Flowering Season June - frost

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**Chocolate flower**

Flowering Season June - frost

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**Shangri-la sage**

Flowering Season spring-summer

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Engelmann's daisy

Flowering Season May - Frost

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**Fernbush**

Flowering Season July - August

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**Rhus trilobata – Autumn Amber Sumac**

Flowering Season April

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**Woodward columnar juniper**

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**Panchito manzanita**

Flowering Season February

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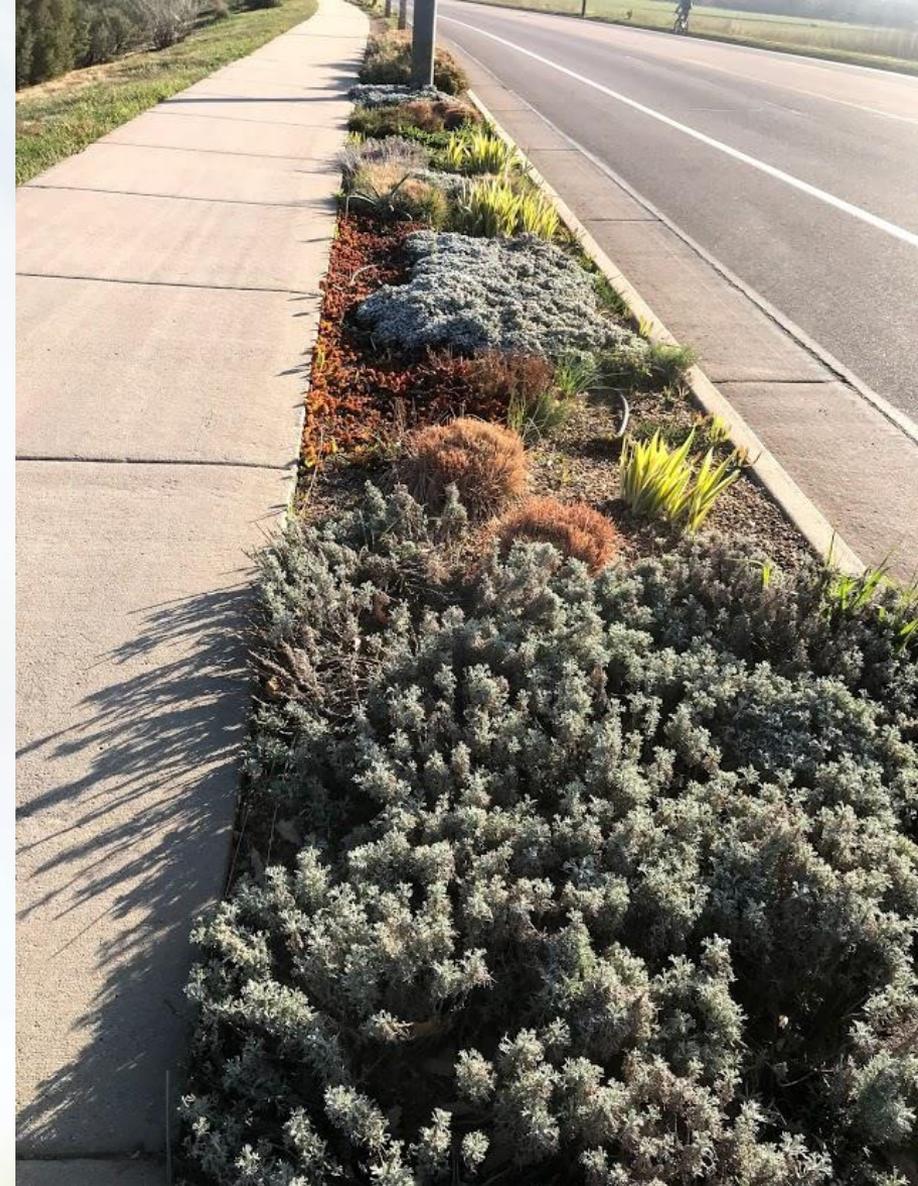
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WIND. HAIL. SNOW. SUN. BRING IT ON.





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**A steppe climate is the climate of a region that receives precipitation below potential evapotranspiration, but not as low as a desert climate.**

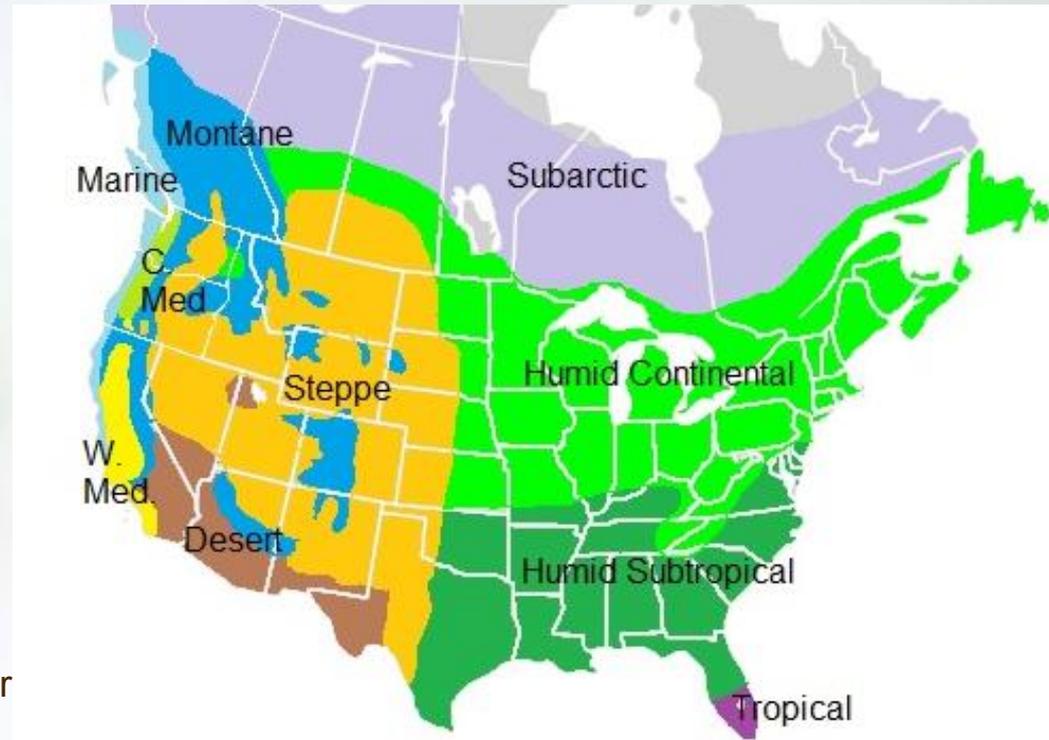
Desert climate precipitation 0"-10" per year

Steppe climate precipitation = 10"- 20" per year

Nunn, CO average precipitation = 14.21" per year

Fort Collins average precipitation = 16.05" per year

Casper, WY precipitation = 12.48 " per year



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# RIGHT PLANT RIGHT PLACE?



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# IDENTIFY THE MAINTENANCE NEEDED



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# RIGHT PLANT RIGHT PLACE?



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# RIGHT LANDSCAPE FOR RIGHT REGION OF THE COUNTY?



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# RIGHT LANDSCAPE FOR RIGHT REGION OF THE COUNTY?



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## Colorado Style Game Changer

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# ALWAYS BE LOOKING AROUND



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ALWAYS BE LOOKING AROUND



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# Game changer for Perennial Plant Maintenance



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spring bulbs, it continues to bloom into early summer after they are finished. It fills in quickly and vigorously, spreading across the garden by stems which root themselves in the soil. Beautiful as a groundcover among flagstones and patio pavers; along a walkway, or as a border along a sunny or partly shaded garden. Xeriscape.

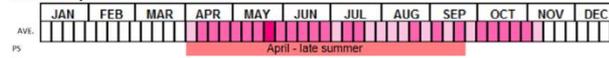
Plant Type	Groundcover
Height	1-2 inches
Width	18 inches
Flowering Season	Spring to summer
Flower Color	Mixed
Sun	Sun, Partial Sun
Water Needs	Moderate to xeric
USDA Hardiness Zone	Zones 3-10
Soil Type	Clay, loam or sandy soil
Deer Resistant	Yes
Good for Pollination	Yes
Winter Interest	Yes
North American Native	No
Year Introduced	2017
Annual Commercial Maintenance	Hand rake or run hand over to remove any dead foliage in spring
5-10 Year Commercial Maintenance	Trim out any dead, divide over grown areas and add plantings where desired.
Elevation Guide	Up to 8125 ft

Maintenance schedule-



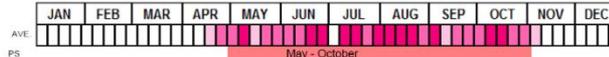
Hand trim

*Erodium chrysanthum* Golden storksbill



Cut back

*Verbena (Glandularia) bipinnatifida* VALLEY LAVENDER® plains verbena



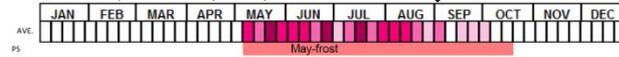
Deadhead

*Tanacetum densum* ssp. *amani* Partridge feather



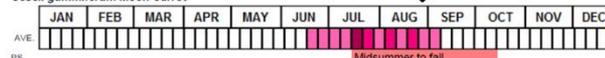
Cut backback/ Shear down/  
Reseed

*Echium amoenum* (*E. russicum* compact form) Red feathers



Cut back/  
Reseed

*Seseli gummiferum* Moon Carrot



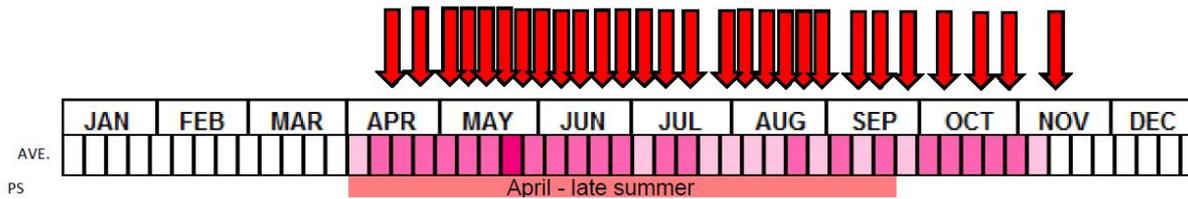
Mow



Dog Tuff mow 12 times

Blue grass turf

Mow 20-28 times per year



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# Native Bee Watch

## A Colorado Citizen Science Field Guide

Lisa Mason, Boris Kondratieff, Arathi H. S.  
Colorado State University

*Adapted from the Xerces Society's California Pollinator Project: Citizen Science Pollinator Monitoring Guide, 2010, by Katharina Ullmann, Mace Vaughan, Claire Kremen, Tiffany Shih, and Matthew Shepard*



COLLEGE OF  
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COLORADO STATE UNIVERSITY

BIOAGRICULTURAL SCIENCES & PEST  
MANAGEMENT DEPARTMENT

SCHOOL OF GLOBAL  
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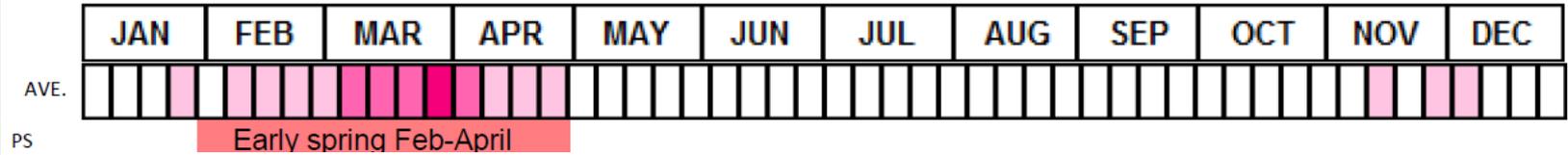
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Table 1: Bee visitation to Plant Select Varieties occurring on our transects in 2016 and 2017

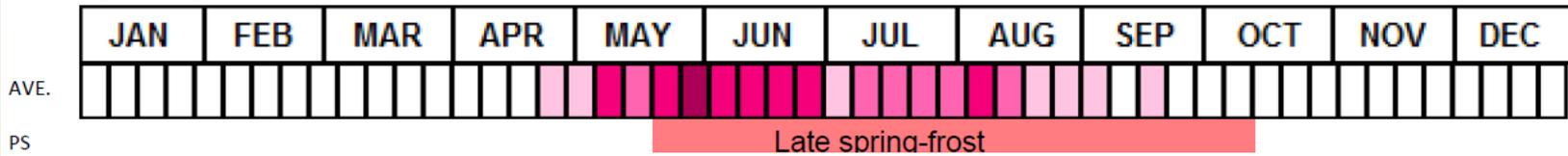
Scientific Name	Common Name	Year	Honey Bees	Bumble Bees	Hairy Leg Bees	Green Metallic Bees	Striped Sweat Bees	Tiny Dark Bees	Hairy Belly Bees	Cuckoo Bees	TOTAL
<i>Agastache aurantiaca</i> 'P012S'	CORONADO® hyssop	2016	18	1	0	0	0	0	0	0	19
		2017	52	4	0	0	0	8	0	0	64
<i>Anchusa capensis</i>	Cape-forget-me-not, Summer-forget-me-not	2016	104	4	0	0	0	0	1	0	109
		2017	182	7	1	4	2	0	1	0	197
<i>Clematis integrifolia</i> 'PSHarlan'	MONGOLIAN BELLS® clematis	2017	63	24	0	6	0	1	1	0	95
		2016	53	26	1	0	0	1	0	0	81
<i>Echinacea tennesseensis</i>	Tennessee purple coneflower	2016	38	4	1	3	1	0	0	0	47
		2017	84	16	2	16	1	5	0	0	124
<i>Epilobium fleischeri</i>	Alpine willowherb	2016	31	2	1	0	2	0	0	0	36
		2017	103	1	0	0	0	4	0	0	108
<i>Erodium chrysanthum</i>	Golden storksbill	2017	21	0	3	1	0	3	0	0	28
		2016	11	0	0	0	0	0	0	2	13
<i>Heuchera pulchella</i>	Sandia coral bells	2016	9	0	1	0	0	0	0	0	10
		2017	18	3	0	0	0	0	2	0	23
<i>Heuchera sanguinea</i> 'Snow Angel'	Snow Angel coral bells	2016	21	0	0	0	1	0	0	0	22
		2017	10	0	0	0	0	0	0	0	10
<i>Nepeta</i> 'Psfike' PP 18,904	LITTLE TRUDY® catmint	2016	27	0	0	0	0	0	0	0	27
		2017	14	0	0	0	0	0	0	0	14
<i>Penstemon x</i> 'Coral Baby'	Coral Baby penstemon	2016	40	10	0	2	3	0	0	0	55
		2017	22	8	0	0	0	1	0	0	31

# Plan your garden by bloom time data

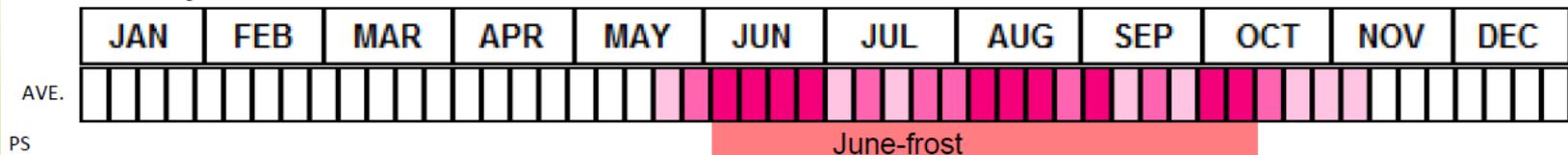
*Arctostaphylos* × *coloradensis* Panchito manzanita



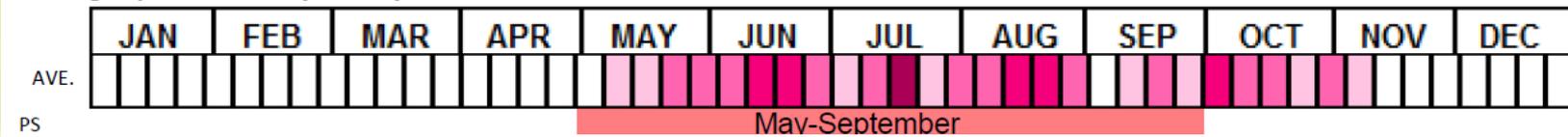
*Aquilegia chrysantha* DENVER GOLD® columbine



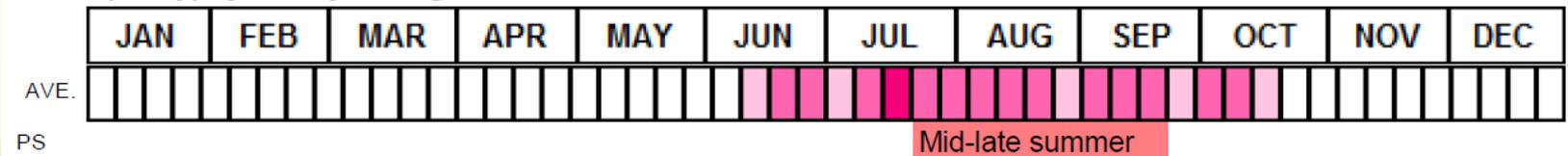
*Berlandiera lyrata* Chocolate flower



*Fallugia paradoxa* Apache plume



*Salvia pachyphylla* Mojave sage





**GRANITA® Raspberry ice plant**

Flowering Season spring-summer

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**SteppeSuns Sunset Glow Penstemon**

Flowering July - September

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**SteppeSuns Sunset Glow Penstemon**

Flowering July - September

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**GRANITA® Orange ice plant**

Flowering Season spring-summer

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**GRANITA® Orange ice plant**

Flowering Season spring-summer

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**WINDWALKER® Desert Rose salvia**

Flowering Season spring-summer

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**WINDWALKER® Desert Rose salvia**

Flowering Season spring-summer

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**UNDAUNTED® Alpine Plume Grass**

Flowering Season July

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**SUCKER PUNCH® chokecherry**



Flowering Season Spring

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**SUCKER PUNCH® chokecherry**

Flowering Season Spring

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**Dracocephalum ruyschiana**

Flowering Season June - August

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**Stachys lavandulifolia**

Flowering Season June - July

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**Stachys lavandulifolius**

Flowering Season June - July

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**Artemisia abrotanum**

Flowering Season none

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**Artemisia abrotanum**

Flowering Season none

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**Thermopsis lupinoides**

Flowering Season May

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**Thermopsis lupinoides**

Flowering Season May

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**Clematis hexapetala 'Mongolian Snowflakes'**

Flowering Season June

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**Clematis hexapetala 'Mongolian Snowflakes'**

Flowering Season June

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# LEARNING LANDSCAPES

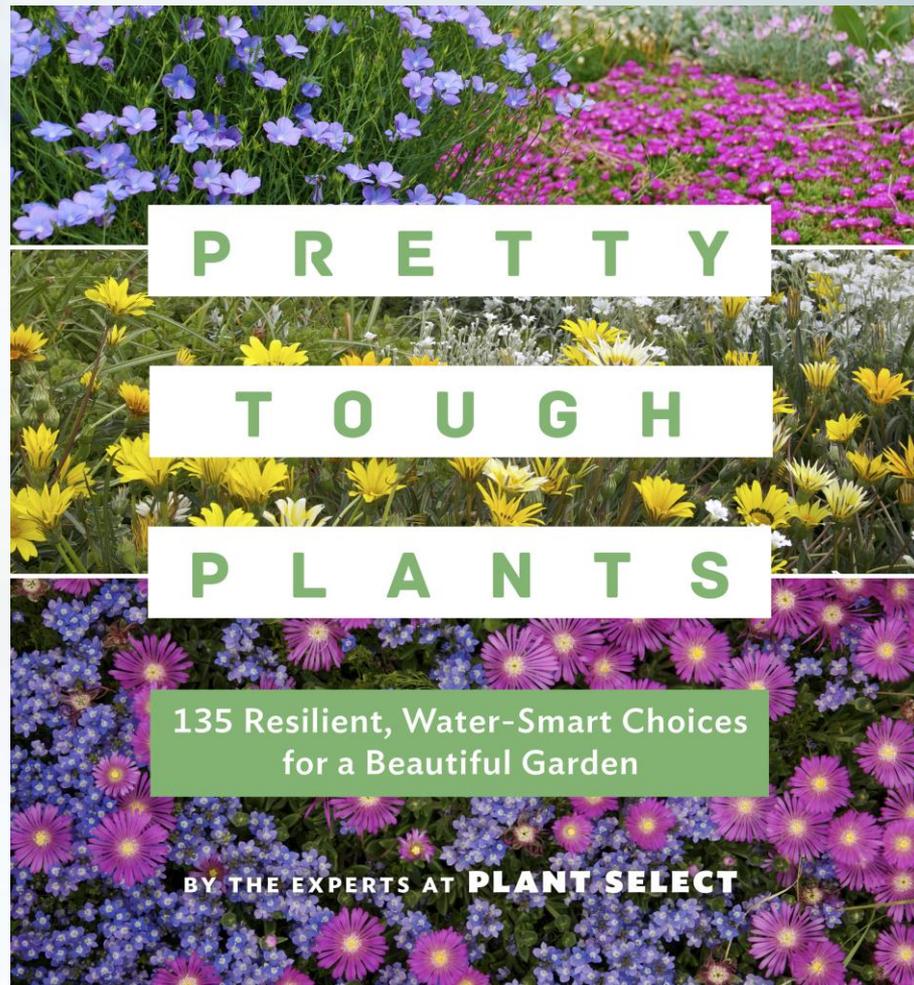
PLANT SELECT® ANNUAL MEETING 2019

June 11, 2019

DENVER BOTANIC GARDENS

- **Scott Denning**, Monfort Professor of Atmospheric Science, Colorado State University
- **David Salman**, Chief Horticulturist, Nurseryman & Founding Member of Plant Select®
- **John Fielder**, Colorado's Premier Photographer

PHOTO CREDIT: JOHN FIELDER



P R E T T Y

T O U G H

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135 Resilient, Water-Smart Choices  
for a Beautiful Garden

BY THE EXPERTS AT **PLANT SELECT**

Thank You!

Ross Shrigley [Ross.Shrigley@PlantSelect.org](mailto:Ross.Shrigley@PlantSelect.org) 970-481-3429

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