

The "Art of the Possible"

Enhancing Biodiversity through a Dedicated Native Seed Nursery

Chevron - EcoPoint



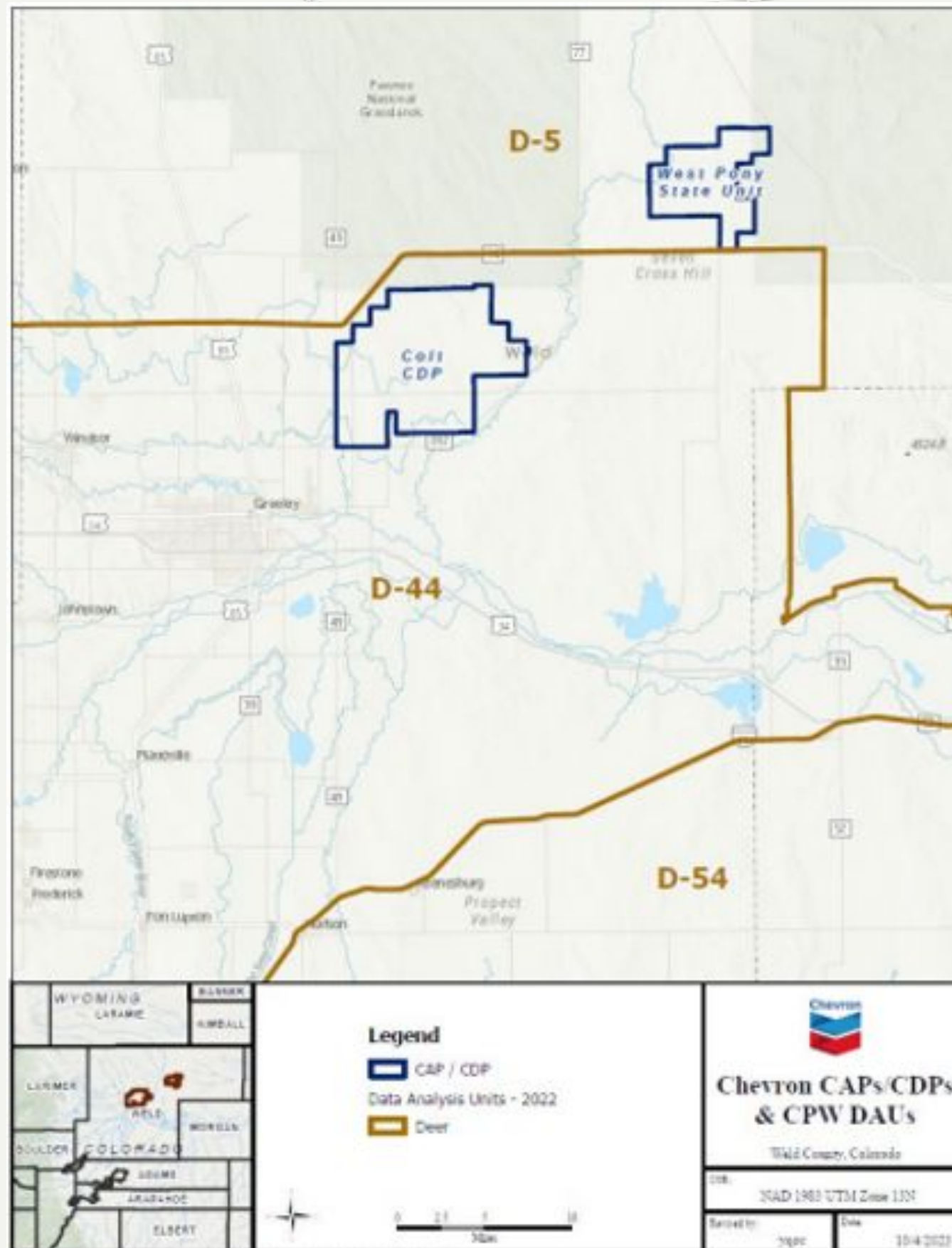
ASRS Annual Meeting
June 8th, 2026

Chevron's Operations in the Denver-Julesburg (DJ) Basin

Chevron is the largest operator in the D-J Basin.

Chevron developed a Comprehensive Wildlife Plan (CWP) to guide how they plan projects in this region.

The Native Seed Project (Nursery Component) seeks to increase the availability of site-adapted native plant materials to support mule deer (*Odocoileus hemionus*), pronghorn (*Antilocapra americana*), and broader biodiversity in Weld County, Colorado.



Comprehensive Wildlife Plan

Figure 1: Art of the Possible



Native Seed Project Components

Aspirational	Native Seed Nursery
Operational	What Plant Species to Prioritize
	Acquiring the Initial Seed Supply
	Extending Seed Supply Longevity
	Demonstration Projects



Native Seed Nursery

- Specifically addresses seed availability
- Plant Species Selection Focuses on Mule Deer and Pronghorn
- Additional Species Support Native Biodiversity
- Developing Seed Supplies Adapted to the Climate and Soils of the Front Range



Native Seed Nursery Development Plan

A Strategic Investment for Chevron's Comprehensive Wildlife Plan



Native Seed Project

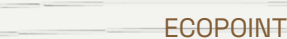
Operational Components

Developing Target Species Lists

Prioritizing

Ranking

Seed Zones



JUNE 8, 2026

Priority Species Lists Were Developed For Each Of The Prominent Ecological Sites

Approximately 30 Species Were Identified For Each Site.



Priority Species List for Loamy Plains Ecological Site

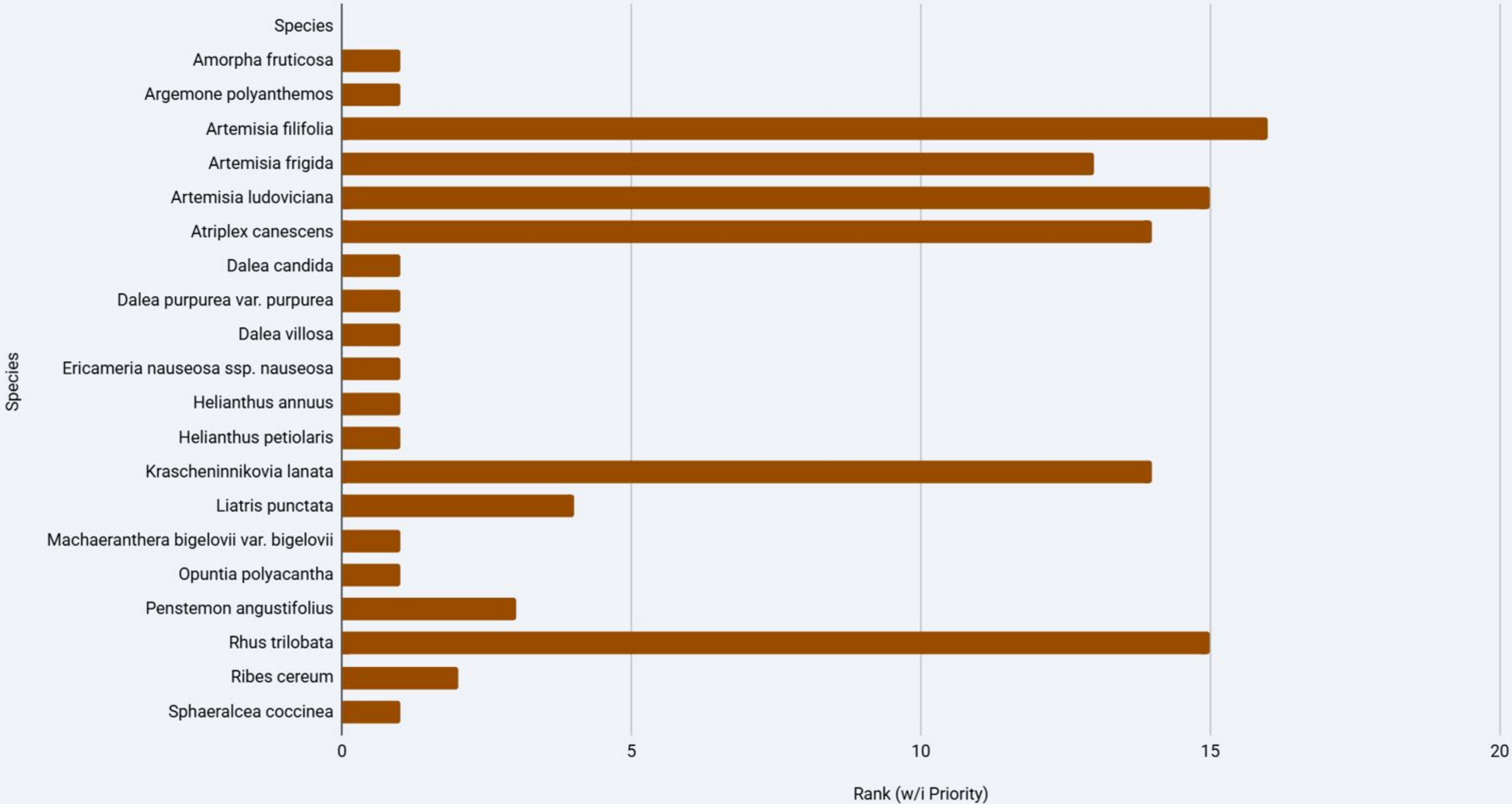
Common Name	Symbol	Scientific Name
Forbs		
purple prairie clover	DAPUP	Dalea purpurea var. purpurea
dotted blazing star	LIPU	Liatris punctata
scarlet globemallow	SPCO	Sphaeralcea coccinea
American vetch	VIAM	Vicia americana
tenpetal blazing star	MEDE2	Mentzelia decapetala
hairy false goldenaster	HEVI4	Heterotheca villosa
Cuman ragweed	AMPS	Ambrosia psilostachya
white sagebrush	ARLU	Artemisia ludoviciana
Texas croton	CRTE4	Croton texensis
upright prairie coneflower	RAC03	Ratibida columnifera
rush skeleton plant	LYJU	Lygodesmia juncea
shaggy dwarf morning-glory	EVNU	Evolvulus nuttallianus
manystem pea	LAP02	Lathyrus polymorphus
broadbeard beardtongue	PEAN4	Penstemon angustifolius
prairie spiderwort	TROC	Tradescantia occidentalis
white heath aster	SYERE	Symphyotrichum ericoides var. ericoides
silverleaf Indian breadroot	PEAR6	Pediomelum argophyllum
slimflower scurfpea	PSTE5	Psoralidium tenuiflorum
crownleaf evening primrose	OEC02	Oenothera coronopifolia
winged buckwheat	ERAL4	Eriogonum alatum
tarragon	ARDR4	Artemisia dracunculus
woolly locoweed	ASM07	Astragalus mollissimus
Shrubs		
fourwing saltbush	ATCA2	Atriplex canescens
sand sagebrush	ARFI2	Artemisia filifolia
prairie sagewort	ARFR4	Artemisia frigida
broom snakeweed	GUSA2	Gutierrezia sarothrae
winterfat	KRLA2	Krascheninnikovia lanata
western sandcherry	PRPUB	Prunus pumila var. besseyi
spiny star	ESVIV	Escobaria vivipara var. vivipara
soapweed yucca	YUGL	Yucca glauca
spreading buckwheat	EREF	Eriogonum effusum

Species Prioritization and Rank

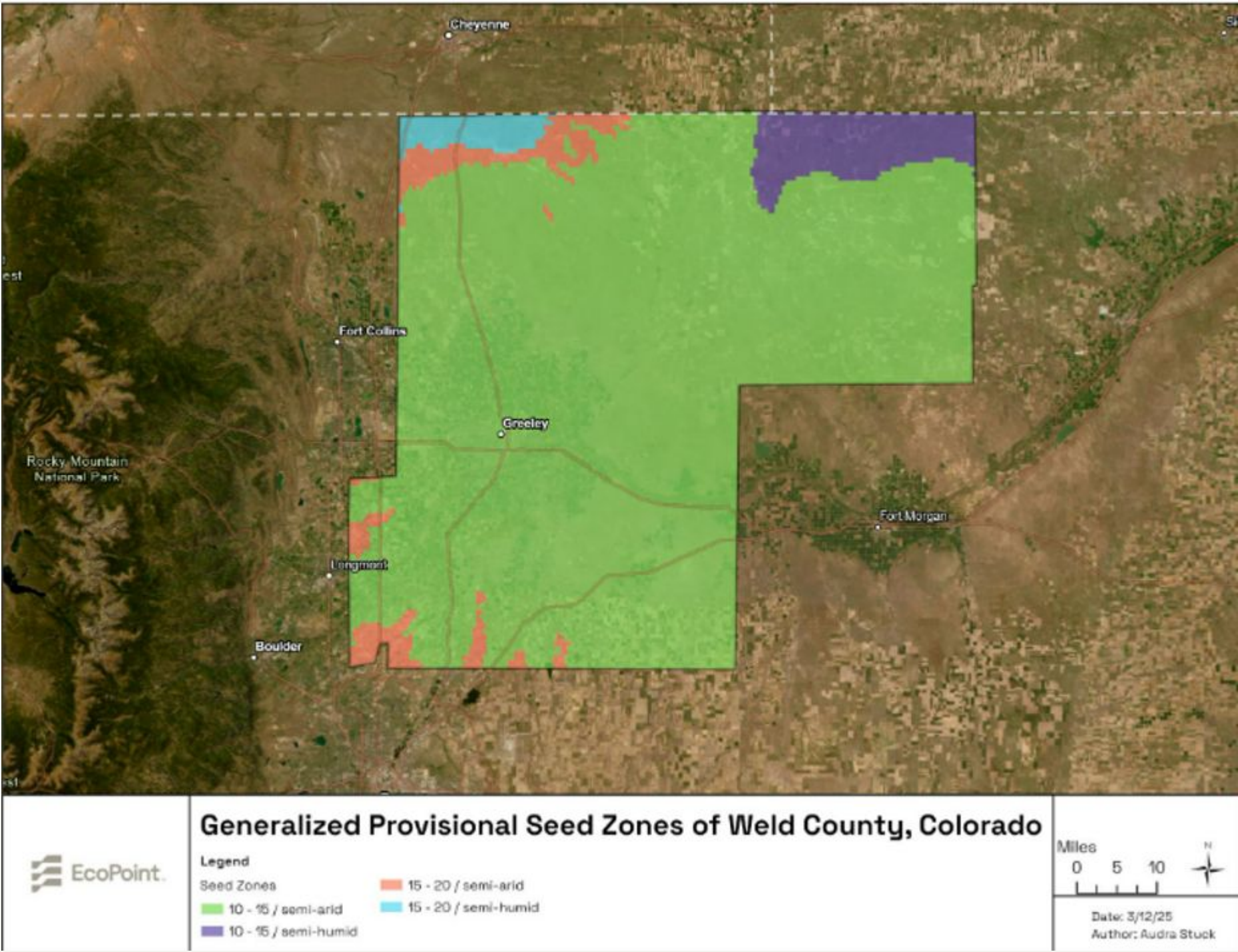
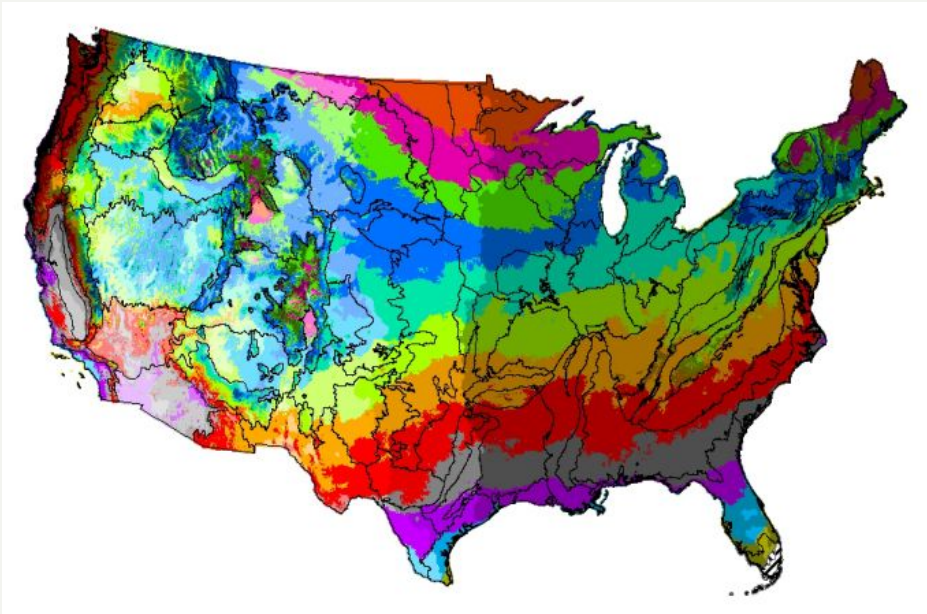
Wildlife Utility	Floral Display	Pollinator Utility
1 - High Value to Mule Deer or Pronghorn or CPW Priority Species 2 - Other Wildlife Value 3 - Poisonous to grazing animals	1 - Conspicuous 3 - Inconspicuous	1 - High Pollinator Value/ Use 2 - Moderate Pollinator Value / Use 3 - Low Pollinator Value Use



Priority 1 Species by Rank



Generalized Provisional Seed Zones



Developing a Stock Seed Supply

Population Locating

Phenology Monitoring

Seed Collection

Cleaning

Mobile GIS Based Data Collection Forms

Houses Passport Information for Site Locations, Phenology Visits, Seed Collections

Seed Collection

Collection Number *

02

Species *

ATCA2

Collection Lot Number *

ATCA2-02-2024-Chevron

Collection *

Draw a polygon outlining the collection area.

Area: 11 acres, Perimeter: 0.5 mi

Client *

Chevron

Collection Date *

Wednesday, January 15, 2025

Collector *

Restoration Pub

Number of Plants *

Seed Collection

Sampled Area *

.1 ac .25 ac .5 ac 1 ac 1.5 ac > 5 ac

How Full is Your Collection Bag? *

Values should be decimal numbers. For example, if your bag is 25% full, enter in 0.25

0.25

Dry Weight (lbs)

How much does your collection bag with seeds weigh? Please tare the scale with an empty bag before weighing.

.05

Dry Weight (grams):

22.6796

Harvest Method *

Sickle

Comments

Record anything of note and any observed anomalies.

The north half of the population was harvested while the south half should be ready to harvest next week. When returning, harvest the southern half of population.

Storage Location *

Front Range Field Office

Population Location Identification Survey

Location Name *

Each site name must be unique. Location Name example - "Goldberg 331709_ERNAN5" (landowner/ECMC location ECMC Loc ID_NRCS species code)

Iron Pad 430561_ERAN4

Collected By *

Isabella Klajbor

Client *

Chevron

Population *

Outline the population area.

Area: 3.35 acres, Perimeter: 0.3 mi

Species *

Use "Other" if your species is not on the list.

annual buckwheat

Plant Species *

ERAN4

Voucher Specimen Collected *

Chevron Seed Collection Dashboard



Data Review

Collection Stats

Collection Summary



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community | Esri, HERE, Garmin, (c) OpenStre... Powered by Esri

Population Location



Location Name	Common Name	Species Name	Scientific Name	
70 Ranch BB 4234T2_ARFI2	sand sagebrush	ARFI2	Artemisia filifolia	L
State 5519 472558_ARFI2	sand sagebrush	ARFI2	Artemisia filifolia	L
HSR-SELLS-64N65W #31S...	hairy false golden aster	HEVI4	Heterotheca villosa	S
MOSER H #21-31D TANK-...	Sand verbena	ABFR2	Abronia fragrans	S
Megan State #H15-32D Ta...	Rocky mountain bee plant	CLSE	Cleome serrulata	S
B B DRAW H-63N65W #4S...	white-stemmed blazing star	MEAL6	Mentzelia albicaulis	S
CORNELIUS-63N65W #11...	Hood's phlox	PHHO	Phlox hoodi	S
Brown 405133_SPCO	Scarlet globemallow	SPCO	Sphaeralcea coccinea	A

Photos



description
Landscape
General
Close up



Seed Collection

Site Visit



Collection Lot N...	Population Locat...	Common Name	Species Code	Sc
MEAL6-514-2025-Chevron	B B DRAW H-63N65W #4S...	Whitestem blazingstar	MEAL6	Me

Chevron Seed Collection Dashboard



Data Review

Collection Stats

Collection Summary

Priority 1: Plant species occurring in the four prominent ecological sites (Loamy Plains, Sandy Plains, Deep Sand, Clayey Plains) in the Colt and West Pony operating areas with high value to mule deer and antelope or designated as desired species by Colorado Parks and Wildlife.

American Vetch

VIAM

Bags collected: 0

Weight Collected: 0g / 1865.9g

Collections: 0 / 2

Population Locations Identified: 2 / 4



Broom Snakeweed

GUSA2

Bags collected: 2.55

Weight Collected: 3,116.1g / 1576.6g

Collections: 5 / 2

Population Locations Identified: 6 / 4



Cuman Ragweed

AMPS

Bags collected: 0.21

Weight Collected: 163.3g / 1209.6g

Collections: 2 / 2

Population Locations Identified: 6 / 4



Dotted Blazingstar

LIPU

Bags collected: 0.17

Weight Collected: 86.2g / 2239.3g

Collections: 3 / 2

Population Locations Identified: 7 / 4



Fourwing Saltbush

ATCA2

Bags collected: 4.85

Weight Collected: 8,142.1g / 12539.2g

Collections: 6 / 3

Population Locations Identified: 6 / 6



Hairy False Goldenaster

HEVI4

Bags collected: 3.8

Weight Collected: 1,279.3g / 2929.7g

Collections: 7 / 3

Population Locations Identified: 8 / 6



Nineanther Prairie Clover

DAEN

Bags collected: 0

Weight Collected: 0g

Collections: 0

Population Locations Identified: 0



Prairie Sagewort

ARFR4

Bags collected: 2.9

Weight Collected: 4,581.4g / 3576.2g

Collections: 6 / 3

Population Locations Identified: 9 / 6



Prairie Sunflower

HEPE

Bags collected: 1.45

Weight Collected: 653.3g / 1271.1g

Collections: 3 / 2

Population Locations Identified: 4 / 4



Purple Prairie Clover

DAPUP

Bags collected: 0.11

Weight Collected: 108.9g / 4365.8g

Collections: 2 / 3

Population Locations Identified: 4 / 6



Rubber Rabbitbrush

ERNAN5

Bags collected: 3

Weight Collected: 2,848.6g / 4483.3g

Collections: 3 / 3

Population Locations Identified: 4 / 6



Sand Sagebrush

ARFI2

Bags collected: 4.5

Weight Collected: 20,389g / 23623.9g

Collections: 5 / 5

Population Locations Identified: 5 / 10



Scarlet Globemallow

SPCO

Bags collected: 0.81

Weight Collected: 961.6g / 3024g

Collections: 7 / 3

Population Locations Identified: 17 / 6



Silky Prairie Clover

DAVI

Bags collected: 0.4

Weight Collected: 449.1g

Collections: 1

Population Locations Identified: 1



Skunkbush Sumac

RHTR

Bags collected: 0.65

Weight Collected: 2,753.2g / 5403.7g

Collections: 3 / 3

Population Locations Identified: 4 / 6





Seed Collections

2024

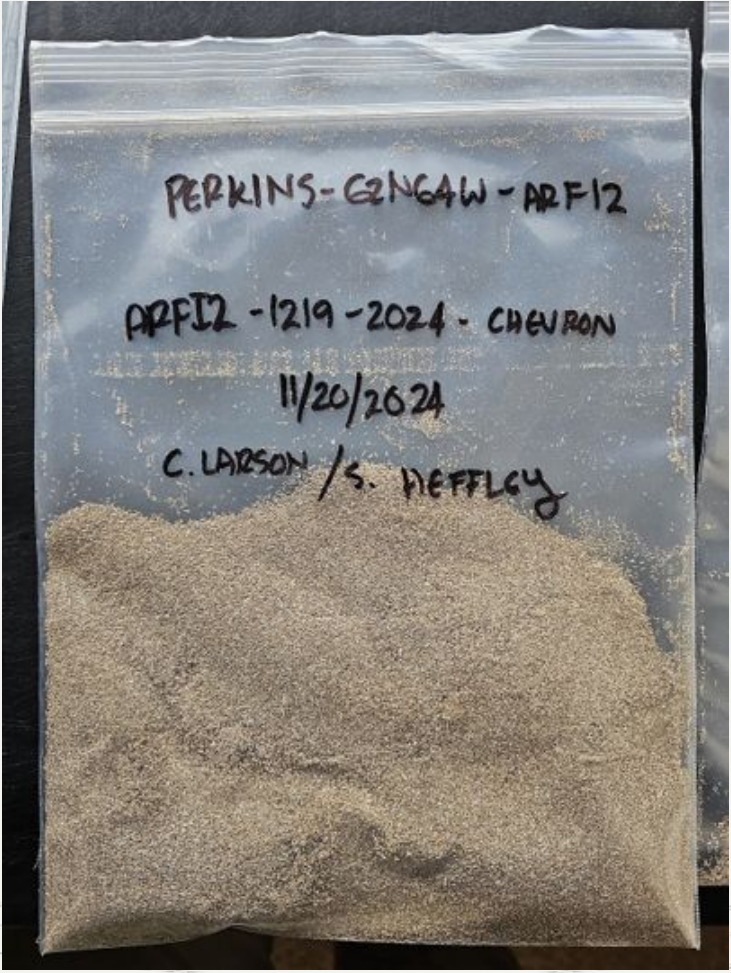
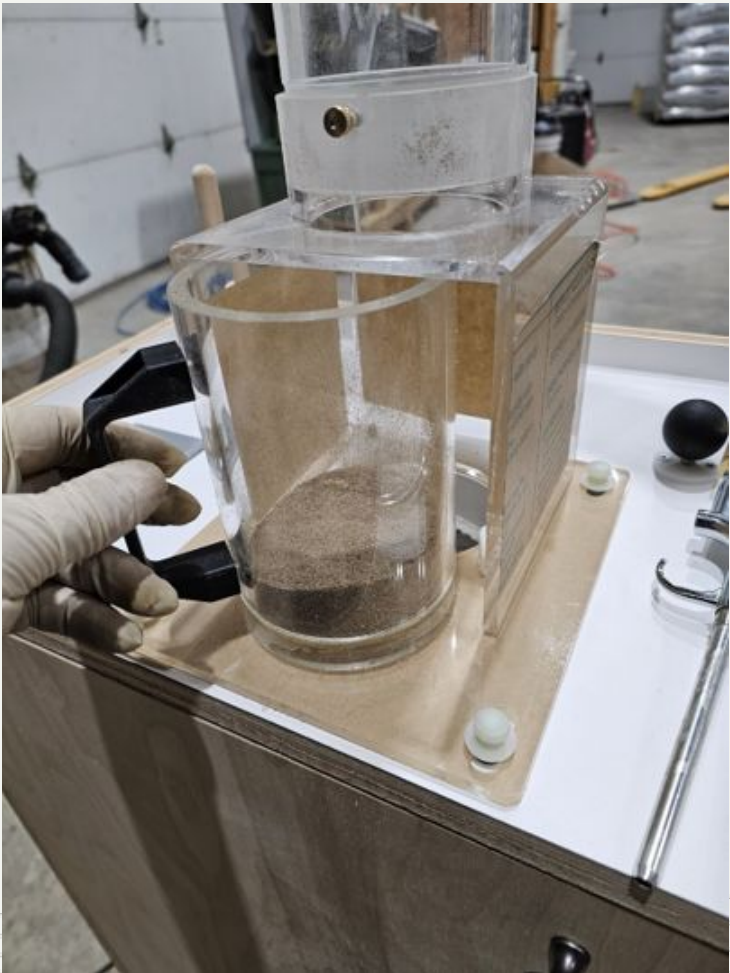
- 18 Species
- 48 Collections
- 3,145,000 seeds

2025

- 64 Species
- 162 Seed Lots
- 11,537,000 seeds



Seed Cleaning Operations



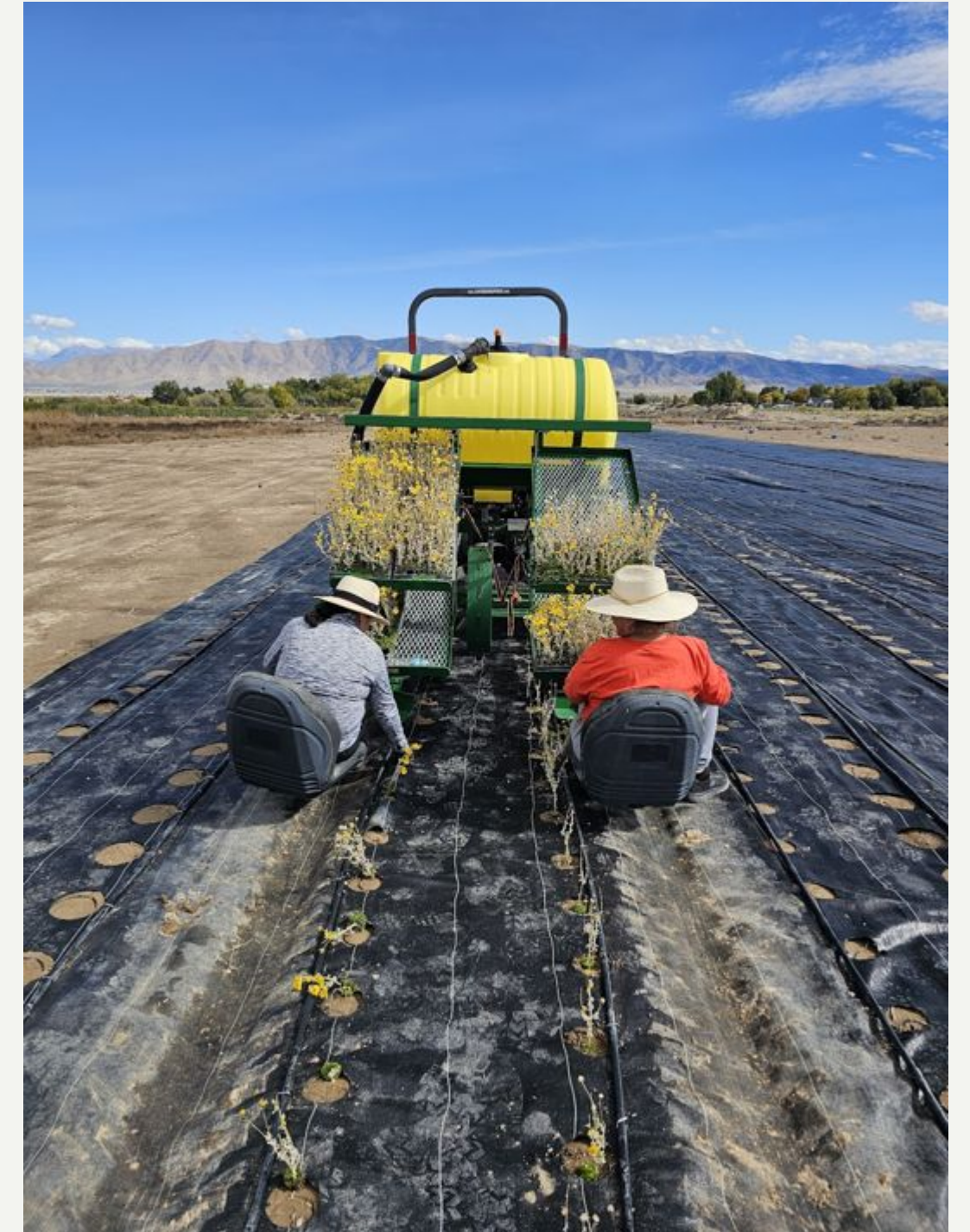
Seed Increase Program

Provide a continuous seed supply

Move away from continuous
wildland collections

Seed Increase Field, Fairfield, UT

Initiated fall 2025 with 10 species. Will expand with ~50 additional species in 2026.



Live Plant Program

Grow 100,000 plants annually

1,000's more for seed increase field

Plant Installation

Chevron 2026 Production Calendar P50's																													
Common Name	Scientific Name	February				March				April				May				June				October							
Priority 1	Priority 1	# Trays	Container	Soil	4	1	2	3	4	1	W 2	3	4	1	2	3	4	1	2	3	4	Seed Pre-Treatment & Stratification (CMS)							
False indigo	Amorpha fruticosa	1	PL50	S							10-Apr	S	S	S	S	P	G	G	G	G	80°C Hot Water Soak (12–24h) until seeds swell; Optional 30d CMS.+1								
Sand sagebrush	Artemisia filifolia	142	PL50	S					S	S	S	S	P	G	G	G	G	G	G	G	G	30d CMS in damp sand; Surface sow (Photoblastic)							
Prairie sagewort	Artemisia frigida	180	PL50	S					S	S	S	S	P	G	G	G	G	G	G	G	G	Surface sow (Photoblastic); 30d CMS at 2–4°C.+2							
Prairie sage	Artemisia ludoviciana	110	PL50	S									S	S	S	S	P	G	G	G	G	Surface sow (Photoblastic); 30d CMS at 4°C.+2							
Fourwing saltbush	Atriplex canescens	295	PL50	S, R838		S	S	S	S	S	10-Apr	S	P	G	G	G	G	G	G	G	G	De-wing seeds; 24h running water leach; 30–45d CMS.+2							
White prairie clover	Dalea candida	41	PL50	S, R838							10-Apr			SC	S	S	P	G	G	G	G	Sandpaper scarification; 75–80°C Hot Water Soak; 10d CMS.+2							
Purple prairie clover	Dalea purpurea	61	PL50	S, R838							10-Apr			SC	S	S	P	G	G	G	G	Sandpaper scarification (100-grit); 75°C Hot Water Shock; 10d CMS.+2							
Prairie clover	Dalea villosa	40	PL50	S, R838	S	S	G	G	G	G	10-Apr	G	G	G	G	G	G	G	G	G	G	Sandpaper scarification; 50°C Warm Water Soak; 14d CMS.+2							
Rubber rabbitbrush	Ericameria nauseosa	300	PL50, SC10	S					S	S	S	10-Apr	S	S	S	S	S	P	G	G	G	G	Remove pappus; Surface sow (Photoblastic); 30–60d CMS.+3						
Prairie sunflower	Helianthus petiolaris	3	PL50	S, R838								SC	S	S	S	S	P	G	G	G	G	30d CMS in damp sand; Optional sandpaper scuffing/24h soak.+1							
Winterfat	Krascheninnikovia lanata	129	PL50, SC10, D25	S, R838					S	S	S	S	P	G	G	G	G	G	G	G	G	Optional de-winging; Surface sow (Photoblastic); 30d CMS.+2							
Bigelows Tansyaster	Machaeranthera bigelovii	90	PL50	S									S	S	S	S	P	G	G	G	G	Surface sow (Photoblastic); 30d CMS at 4°C.+2							
Broadbeard beardtongue	Penstemon angustifolius	141	PL50	S	S	S	S	S	S	S	10-Apr	S	S	S	S	S	P	G	G	G	G	60–90d CMS at 2–4°C (Mandatory); Surface sow.+1							
Skunkbush sumac	Rhus trilobata	100	PL50, SC10, D25	S	S	S	S	S	S	S	10-Apr	S	S	S	S	S	P	G	G	G	G	85°C Water Soak (24h); 60–90d CMS at 2–4°C.+1							
Scarlet globemallow	Sphaeralcea coccinea	124	PL50	S							10-Apr	SC	S	S	S	S	P	G	G	G	G	Sandpaper scarification (30–60s) or Boiling Water Flash; 30d CMS.+2							
Priority 2	Priority 2																												
Snowball sand verbena	Abronia fragrans	6	PL50, SC10, D25	S, R838								ch	S	S	S	S	P	G	G	G	G	Mandatory de-winging; 24h leaching soak; 30d CMS.+2							
Crested prickly poppy	Argemone polyanthemus	4	PL50	S				SC	S	S	S	S	S	S	S	S	P	G	G	G	G	Sandpaper scarification (30s); 60d CMS at 2–4°C.+1							
Showy milkweed	Asclepias speciosa Torr.	60	PL50	S					S	S	10-Apr	S	S	S	S	S	S	S	S	S	P	Mandatory 30–60d CMS; Optional 12–24h warm water soak.+2							
Prairie thistle	Cirsium canescens	10	PL50, SC10, D25	S					S	S	S	S	S	S	S	S	P	G	G	G	G	Mandatory 60d CMS at 2–4°C.							
Wayleaf thistle	Cirsium undulatum	32	PL50, SC10, D25	S					S	S	S	S	S	S	S	S	P	G	G	G	G	Mandatory 60d CMS; Optional 12h room temp soak.+1							
Rocky mountain bee plant	Cleome serrulata	1	PL50	S							10-Apr		S	S	S	S	S	S	S	S	P	Mandatory 30–60d CMS; Optional 24h water soak.+1							
Texas croton	Croton texensis	1	PL50	S					S	S	S	S	S	S	S	S	P	G	G	G	G	Mandatory 60d CMS; Post-CMS 24h warm water soak.+1							
annual buckwheat	Eriogonum annuum	2	PL50	S, R838									S	S															

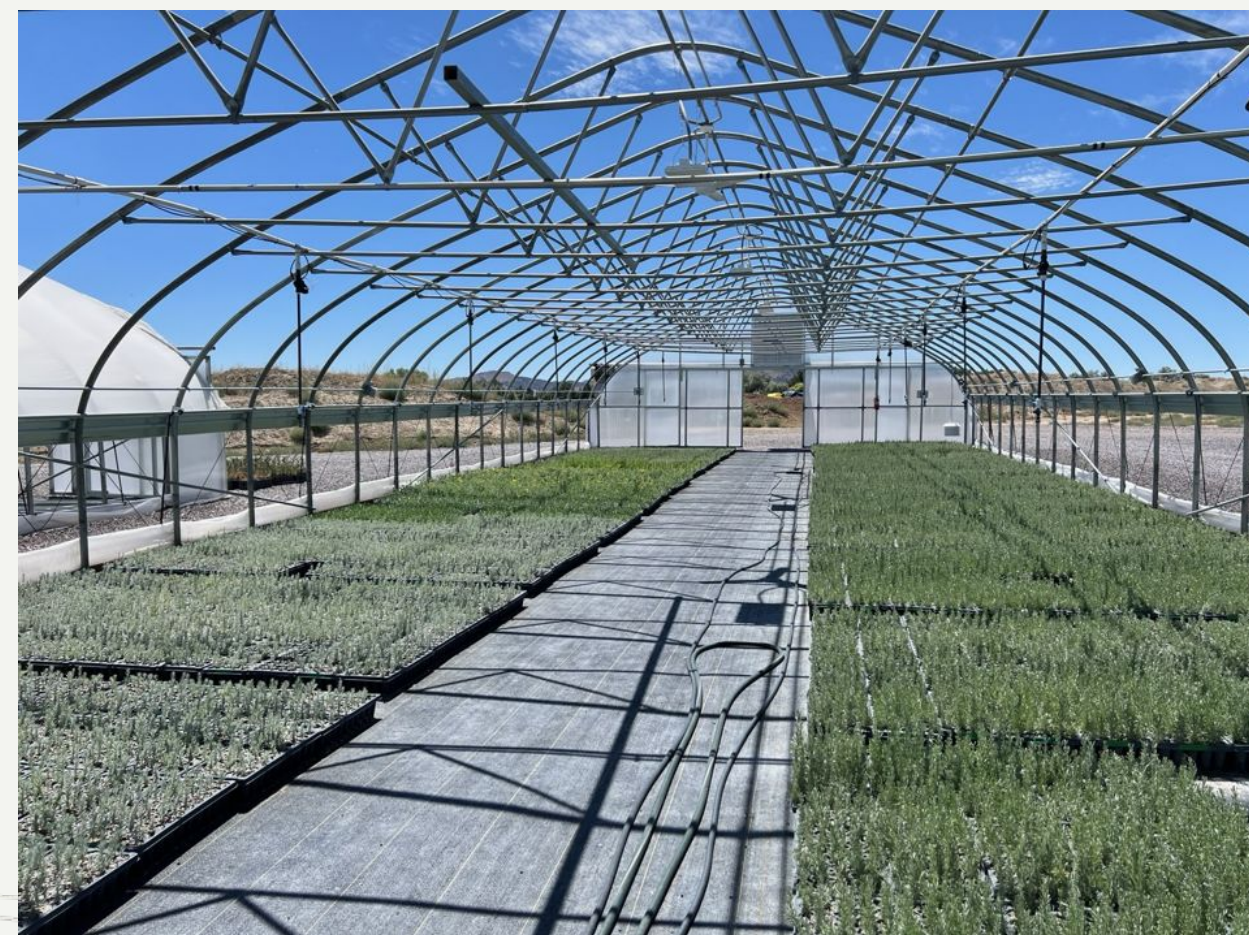
Bloom Calendar



Scientific Name	Apr	May	Jun	Jul	Aug	Sep	Oct
Abronia fragrans							
Allium textile							
Ambrosia psilostachya							
Ambrosia trifida							
Amorpha fruticosa							
Argemone polyanthemos							
Artemisia filifolia							
Artemisia frigida							
Artemisia ludoviciana							
Asclepias speciosa							
Astragalus mollissimus							
Atriplex canescens							
Cirsium canescens							
Cirsium undulatum							
Cleome serrulata							
Comandra umbellata							
Croton texensis							
Dalea candida							
Dalea purpurea							
Dalea villosa							
Echinocystis lobata							
Ericameria nauseosa							
Eriogonum annuum							
Eriogonum effusum							
Escobaria vivipara							
Gaura coccinea							
Glycyrrhiza lepidota							
Gutierrezia sarothrae							
Helianthus annuus							
Helianthus petiolaris							
Heterotheca villosa							
Ipomoea leptophylla							
Krascheninnikovia lanata							
Liatris punctata							
Linum lewisii							
Lygodesmia juncea							
Machaeranthera bigelovii							
Machaeranthera tanacetifolia							
Mentzelia albicaulis							
Mentzelia nuda							
Mirabilis linearis							
Oenothera coronopifolia							
Oenothera pallida							



Greenhouse Operations



Monitoring Environmental Conditions



Plant Installations



Experimental Demonstration Areas

Chevron Well Pads, Greeley, Colorado.



Contact

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