BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 19 May 2009)

Use BLOCK CAPITALS
Complete all fields.
Circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code:
Cleaning Facility:

Date(s) Collected (DD/MM/YY): 04/08/09 and 05/08/09 **Seed Collection Reference Number:** CO932-176

Collector(s): Carol English

Country: USA **Ecoregion (T,O,B):** 21 **State:** CO County: Jefferson

Location Details: From I-70 and Morrison exit travel south for 3-4 miles on Highway 93. Plants are to the east of the road at the base of the hogback.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 39°39'19.3" N GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 105°11'26.6" W GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 5,864' Landowner Details (Permission?): Jefferson County Open Space (Yes)

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Foothills. Associated Species: *Chrysothamnus nauseosus, Helianthus pumilus, Gutierrezia sarothrae, Cercocarpus montanus, Astragalus drummondii, Tragia ramose, Mahonia repens, Yucca glauca, Rhus aromatic ssp. trilobata, Stipa viridula, Pascopyrum smithii, Grindella squarrosa*

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other:* N/A

Land Form: Hogback Slope°: 5-20°

Land Use: Recreation Aspect: *N* *NE* *E* *SE* *S* *SW* *W* *NW*

Geology: Morrison Formation

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color: 2.5YR 4/4 Reddish brown

COLLECTION DATA - If plant has been identified by a specialist, please see other side.

Family: Ranunculaceae **No. of Plants Sampled** (min. 50): 366

Genus: *Delphinium* **No. of Plants Found (approx.):** 500-5000

Species: *geyeri* **Area Sampled (acres):** 7

Subspecies/Variety:

Rec 8/11

Seeds Collected From: *Plants* *Ground* *Both*

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 2.0-3.0'

Native plant materials development and research this accession will be used for: 4 cloth 3,225#

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Leaves mostly basal, stems densely clustered, flowers bright blue. Common on outwash mesas at the base of the frontrange. Reference: Colorado Flora: Eastern Slope. By William A. Weber. 3rd edition. Boulder: University Press of Colorado, 2001. pp. 216

Common Name(s) of Plants: Geyer's Larkspur ✓

Photograph Taken: *Digital* *35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): Where Image will be Filed:

Seed Test/Packaging Record

SOS-CO932-176

DEGE2-SOS-CO932-176-09
Delphinium geyeri
Geyer's larkspur
BLMS 3.22 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	3-31-2010 AC
OSU Sample Taken	# of pounds .57g	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 96%
Moisture Content 5.1
Seed Count 173,100

REMARKS ENTERED

GERM — TZ OSU Strat Time: NC___ 4C ___ 8C ___ 13C___

PURITY 92% or NOXIOUS WEED only —

MOISTURE CONTENT (use one of three methods below)

Dole Meter			**Moisture Analyzer**			**HygroPalm**			
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.	Time	Air Temp	ERH	M.C.
						—	—	23.4	5.1

X-Ray Results

96 % Filled

Results from 100 Seed X-Ray

PURITY (Use OSU sample chart to determine wt. of sample)

Wt. of Sample: _____ gms
Wt of Impurities:
- Crops _____ gms
- Inerts .15 gms shriveled/discolored seed
- Weeds _____ gms
- Noxious _____ gms

some could be viable!

Wt. of All Impurities: .15 gms
Wt. of Clean Seed 1.572 gms
TOTAL (Impurities + Clean Seeds) 1.722 gms

Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 92 %

SEEDS PER POUND

Weight to three decimal places, when possible
Wt. of 5 reps of 100 seeds each (in grams).

.262 .261 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

** NOTE: If difference between max and min is less than 10% of the average samples, data is acceptable

Difference between max & Min wt. _____ 10% of average _____

NOTE: Seeds/Pound = 453600 / 1000 seed wt. (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 2.62 = 1000 seed wt.
Seeds per Pound = 173,100

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1		Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.72

beg bal .721
WRPIS — .067 ~10,000
New bal .654

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3-31-10	0800		226-test	AC
		0835	2270-pkg	AC

✓ok	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____