BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 16 April 2008)

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

MSB Serial Number:
NRCS PLANTS Code: FRSP
Cleaning Facility:

Date(s) Collected (DD/MM/YY): 18/09/08 **Seed Collection Reference Number:** CO932-158

Collector(s): Peter Gordon & Molly Mikan

Country: USA **Ecoregion** (T,O, B): 20 **State:** CO County: Gilpin

Location Details: From I-70, take Central City Pkwy & follow approx 8.1 miles to Central City. Take hard right onto Virginia Canyon Rd. Follow approx 0.5 miles & take left onto Lake Gulch Rd. Paved road ends at Golden Mtn Rd & site is 0.5 miles further on left of dirt road.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 39°47'25.7" N GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 105°30'00.2" W GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 8,728 Landowner Details (Permission?): Private (Hidee Mine) - Yes

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Associated species: *Pinus ponderosa*, *Pseudotsuga menziesii*, *Populus tremuloides*, *Picea pungens* (in gully), *Bromus inermis*, *Muhlenbergia montana*, *Heterotheca villosa*, *Penstemon viridis*, *Frasera speciosa*
Ecological Site Descriptor: Montane meadow/gully

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

Land Form: Montane grassy meadow Slope°: 8° - 10°

Land Use: Mining (possibly grazing?) Aspect: *N* *NE* *E* *SE* *S* *SW* *W* *NW*

Geology:

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color:

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

Family: Gentianaceae **No. of Plants Sampled** (min. 50): 95

Genus: *Frasera* **No. of Plants Found (approx.):** 100-150

Species: *speciosa* **Area Sampled (acres):** 10

Subspecies/Variety:

Rec 9/24/08

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

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 2-3

Native plant materials development and research this accession will be used for: 2 whitecloth 0.52g#

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Tall, unbranched plant; Broad glaucus leaves in whorls; Flowers greenish white; Petal has midline of stiff glandular hairs and fringed basal flap covering nectary. Reference: COLORADO FLORA: EASTERN SLOPE. By William A. Weber. 3rd edition. Boulder: University Press of Colorado, 2001. 521 pp.

Common Name(s) of Plants: Elkweed, Green gentian, Monument plant

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

Seed Test/Packaging Record

SOSCO-93208-03

FRSP-SOSCO-932-158-08
Frasera speciosa
elkweed
BLMS .52 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 1	Date/Initials: 1/27/09 AC
OSU Sample Taken	# of pounds: .275	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 85%
Moisture Content 6.6%
Seed Count 346,200

REMARKS
ENTERED

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

PURITY 98% 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.
						—	71°	33%	6.6

X-Ray Results

85 % 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 .10 gms
- Weeds _____ gms
- Noxious _____ gms

most is shriveled seed

Wt. of All Impurities: .10 gms
Wt. of Clean Seed 5.22 gms
TOTAL (Impurities + Clean Seeds) 5.32 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 98 %

SEEDS PER POUND

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

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

.131 .130 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

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 = 1.31 = 1000 seed wt.
Seeds per Pound = 346,200

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	.167	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.167

ENTERED

\# .035# to PPMC ~10,000

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
1/27/09	1000		226-test	AC
		1045	2270-pkg	AC

✓	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____