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: PEVI3
Cleaning Facility:

Date(s) Collected (DD/MM/YY): 16/09/09 **Seed Collection Reference Number:** CO932-189

Collector(s): Carol English

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

Location Details: Mount Falcon Park West in Jefferson County Open Space- From the intersection of Highways 285 and 8 in Morrison, Colorado go south on 285 for 2.4 miles to Parmalee Gulch Road. Head north for 2.6 miles to Picutis road and turn right and follow the signs to the west parking area.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 39°38'01.9" GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 105°13'54.4" GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 7716 Landowner Details (Permission?): Jefferson County Open Space (Yes)

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Lower Montane Ponderosa Park Land- *Pinus ponderosa, Pseudotsuga menziesii, Bromus inermis, Cercocarpus montanus, Grindelia squarrosa Erigeron flagellaris, Penstemon virens, Eriogonum umbellatum, Sedum lanceolatum, Achillea lanulosa, Potentilla sp., Aster porteri, Aster laevis, Heterotheca vilosa, Juniperus, communis, Ceanothus fendleri, Achillea lanulosa,*

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

Land Form: Foothills Slope°: 0-20°

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

Geology: Metamorphic basement rock - Gneiss

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color: 7.5 YR 2.5/3 Very Dark Brown

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

Family: Scrophulariaceae **No. of Plants Sampled (min. 50):** 800

Genus: *Penstemon* **No. of Plants Found (approx.):** >5000

Species: *virens* **Area Sampled (acres):** 320

Subspecies/Variety:

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

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): .5-1

Native plant materials development and research this accession will be used for:

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Corolla color light purple to lavender, anther sacs glabrous, stems erect, leaves >5mm wide and 20mm long, corolla trumpet shaped, flowers spread out on stem, lower leaves and stem glabrous, corolla 10-15 mm long, deep blue violet; leaves very obscurely and weakly toothed or almost entire. The most abundant small-flowered penstemon of the foothills and montane. Reference: Colorado Flora: Eastern Slope. By William A. Weber. 3rd edition. Boulder: University Press of Colorado, 2001. 356-359 pp.

Common Name(s) of Plants: Front Range beardtongue JP

Seed Test/Packaging Record

SOS-CO932-189

PEVI3-SOS-CO932-189-09
Penstemon virens
Front Range beardtongue
BLMS 1.57 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	3.31.10 AC
OSU Sample Taken	# of pounds .052g	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray ~75%
Moisture Content 5.3%
Seed Count 2,061,000

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.
						—		23.5	5.3

X-Ray Results

~75 % 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 _____ gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: _____ gms
Wt. of Clean Seed _____ gms
TOTAL (Impurities + Clean Seeds) _____ gms

Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = ~98 %

SEEDS PER POUND

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

.022 .022 _____
_____ _____

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 = .22 = 1000 seed wt.
Seeds per Pound = 2,061,000

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.	.228

beg bal .228
WRPIS − .008 10,000
New bal .220

ENTERED

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3-31-2010	1010		226-test	AC
		1050	2270-pkg	AC

✓done	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____