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: PEPA8
Cleaning Facility: BEND

Date(s) Collected (DD/MM/YY): 12/09/09-14/09/09 **Seed Collection Reference Number:** UT931-156

Collector(s): Daniel Cloward

Country: USA **Ecoregion** (T,O, B): 13 **State:** NV County: Lincoln

Location Details: Garrison Utah south on state road 21, turn on Big Springs road. Follow road toward Ursine. 45 miles after leaving paved road in creek bottom. North-West of White Rock Mtn. And North east of Mtn. Wilson.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 38 19.656N GPS Used?: ***Yes*** *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 114 14.364W GPS Datum: ***NAD83*** *NAD27* *WGS84* *Other:*

Elevation (feet): 7017 Landowner Details (Permission?): BLM

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Pinion Juniper community into River bottom with Rosa woodsii, Salix sp., Symphoriocarpus sp., Almelanchier alnifolia, Prunus virginiana

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other:*

Land Form: Mountain Slope°: 10

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

Geology: Granite to sandstone

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

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

Family: Scrophulariaceae **No. of Plants Sampled** (min. 50): 100

Genus: Penstemon **No. of Plants Found (approx.):** 1000

Species: palmeri **Area Sampled (acres):** 2

Subspecies/Variety:

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

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

Native plant materials development and research this accession will be used for: RESTORATION, RESEARCH, LONG-TERM STORAGE

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species):

Common Name(s) of Plants: Palmer's penstemon

Photograph Taken: ***Digital*** *35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): PEPA8_UT931-156_A Where Image will be Filed: RED BUTTE GARDEN

SOS-UT931-156

PEPA8-SOS-UT931-156-09
Penstemon palmerii
Palmer's penstemon
BLMS 1.32 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	3-26-10 AC
OSU Sample Taken	# of pounds .167g	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray ~80%
Moisture Content 6.1%
Seed Count 581,500

REMARKS

ENTERED

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

PURITY 98.7% 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.
						—	—	29.4	6.1

X-Ray Results

~80 % Filled + cut seed
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: .006 gms
Wt. of Clean Seed .468 gms
TOTAL (Impurities + Clean Seeds) .474 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 98.7 %

SEEDS PER POUND

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

.078 .077 _____
_____ _____

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 (453.6 grams = 1 pound)
1000 seed wt.

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = .078 = 1000 seed wt.
Seeds per Pound = 581,500

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.	.355

ENTERED

beg bal .355
WRPIS - .023 # 10,000
New bal .332

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3-26-10	1500		226-test	AC
		1545	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____