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): 02/09/09-18/10/09 **Seed Collection Reference Number:** UT931-135

Collector(s): Daniel Cloward, Keldan Cloward

Country: USA **Ecoregion (T,O, B):** 13 **State:** Utah County: Tooele

Location Details: State road 73 from Tooele to Lehi, Mercur turn off to Mercur cemetery marker. North side of road.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 40 18.413N GPS Used?: ***Yes*** *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 112 15.479W GPS Datum: ***NAD83*** *NAD27* *WGS84* *Other:*

Elevation (feet): 5793 Landowner Details (Permission?): BLM

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Pinion Juniper into Salt desert shrub, Atriplex sp.,

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

Land Form: Mountain to valley floor Slope°: 6

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

Geology: Granite to shale

Soil Texture: *Clay* *Silt* ***Sand*** *Other:* Soil Color: White to tan

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

Family: Scrophulariaceae **No. of Plants Sampled** (min. 50): 300

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_UT931-135_A,B Where Image will be Filed: RED BUTTE GARDEN

Seed Test/Packaging Record

SOS-UT931-135

PEPA8-SOS-UT931-135-09
Penstemon palmerii
Palmer's penstemon
BLMS 1.26 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	3/26/10
OSU Sample Taken	# of pounds .189	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray ~75%
Moisture Content 6.0%
Seed Count 515,400

REMARKS very difficult to determine fill % - both by xray + cut. so this is my best guess. would not expect a reclean !!

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

PURITY 98.8 or NOXIOUS WEED only —

ENTERED

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.
						—		28.0	6%

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 .006 gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: .006 gms
Wt. of Clean Seed .534 gms
TOTAL (Impurities + Clean Seeds) .540 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 98.8 %

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).

.089 .085 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

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 = .88 = 1000 seed wt.
Seeds per Pound = 515,400

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.	.324

ENTERED

beg bal .324
WRPIS -.028# ~10,000
New bal .296

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3/26/10	1320		226-test	AC
		1400	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____