PEPA - Burr Trail

BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 16 April 2008) Accession Date: 10/22/09

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): 20/10/09
Seed Collection Reference Number: UT933-193

Collector(s): Howe H.; Miller, B.; Powell

Country: USA
Ecoregion (T,O, B): Co Plateau
State: UT
County: Garfield

Location Details: Highway 119 E from Richfield, Highway 24 E to Torrey, Highway 12 W to Boulder, Burr Trail S, past campgrounds ~5-6 miles.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 37°50'55.06" N
GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 111°22'14.02" W
GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 5810
Landowner Details (Permission?): BLM admin

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Slickrock desert, perennial riparian ecotone; Artemisia tridentata, Chrysothamnus viscidiflorus, Oenothera pallida, Mentzelia spp.; Ann edulis, Pinus ponderosa, Rhus sp., Juniperus osteosperma

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

Land Form: Navajo sandstone, sedimentary stratification
Slope°: 20°

Land Use: Recreation, Nat'l Monument
Aspect: *N* *NE* *E* *SE* *S* *SW* *W* *NW*

Geology: Co Plateau

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

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

Family: Scrophulariaceae
No. of Plants Sampled (min. 50): 80

Genus: Penstemon
No. of Plants Found (approx.): 100

Species: palmeri
Area Sampled (acres): 4.0

Subspecies/Variety:

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

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike*
Plant Height (feet): 2.5'

Native plant materials development and research this accession will be used for:
- General research
- Germ. plasm studies
- Site rehab
- 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.):
Where Image will be Filed:

Seed Test/Packaging Record

SOS-UT933-192

PEPA8-SOS-UT933-192-09
Penstemon palmerii
Palmer's penstemon
BLMS 1.7 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 1	Date/Initials: LAD 5/14/10
OSU Sample Taken	# of pounds: 0.294g	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 93%
Moisture Content 5.4%
Seed Count 416,147

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.
							67.6	26.3	5.4

X-Ray Results

93 % Filled

100 Results from Seed X-Ray

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

Wt. of Sample: 0.628 gms
Wt of Impurities:
- Crops ____ gms
- Inerts 0.050 gms
- Weeds ____ gms
- Noxious ____ gms

Wt. of All Impurities: 0.050 gms
Wt. of Clean Seed 0.578 gms
TOTAL (Impurities + Clean Seeds) 0.628 gms

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

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).

0.126 0.095 0.100
0.114 0.110
TOTAL of ALL Reps: 0.545
Average: 0.109

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 = 1.090 = 1000 seed wt.
Seeds per Pound = 416,147

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.022	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	0.022

ENTERED

veg bal. 0.022 #
WRPIS 0.022 # ~ 7,833 PLS
0

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
5/14/10	0900	1015	226-test	LAD
			2270-pkg	

	ID card file sample
5/14/10 LAD	Inventory Card Completed

POSTED TO: Lot Completion Logbook 5/14/10 LAD Computer NMIS_____