

Use BLOCK CAPITALS

MSB Serial Number:

Complete all fields.

NRCS PLANTS Code:

Circle relevant descriptions shown in *italics*.

Cleaning Facility:

Date(s) Collected (DD/MM/YY): 23/09/09

Seed Collection Reference Number: ID931-136

Collector(s): P. Hess, S. Hosford

Country: USA

Ecoregion (T,O,B): O-80

State: ID

County: Owyhee

Location Details: Mudflat Road, Owyhee uplands

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 42°31'3.0"N GPS Used?:  Yes  No If no, please see other side.Long. (dg/min/sec) (ex: 107° 36' 51.54" W): -116°53'58.0"W GPS Datum:  NAD83  NAD27  WGS84  Other:

Elevation (feet): 5612

Landowner Details (Permission?): Bureau of Land Management

**HABITAT DATA**Habitat, Associated Species & Ecological Site Descriptor: *Artemisia tridentata, Crepis acuminata, Grindelia sp., Achillea millifolia, Lupin ssp., Poa sandbergii, Agropyron cristatum, Chaenactis douglasii, Erigeron sp.,*Modifying Factors: *Mowed Burned*  *Grazed* *Flooded Seeded Trampled Other:*

Land Form: Mountain Hills

Slope°: 30

Land Use: 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: Acanthus

No. of Plants Sampled (min. 50): 100

Genus: Castilleja

No. of Plants Found (approx.): 300

Species: *miniata*

Area Sampled (acres): 10

Subspecies/Variety:

Seeds Collected From:  *Plants*  *Ground*  *Both*Plant Habit:  *Tree*  *Shrub*  *Forb*  *Succulent*  *Grass/Grasslike*

Plant Height (feet): 1-2

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

Conservation/restoration

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

Red-orange flower color

Common Name(s) of Plants:

Scarlet Indian Paintbrush

Photograph Taken:  *Digital* 35mmReference  
(PLANTS Code, Coll.  
Number, Pic. No.):

CAMI12\_ID931-136\_1

Where Image  
will be Filed:Idaho State Office  
Bureau of Land  
Management

# Seed Test/Packaging Record

**SOS-ID931-136**

CAMI12-SOS-ID931-136-09  
 Costilleja miniata  
 Scarlet Indian Paintbrush  
 BLMS .85 P

## PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags 0	Date/Initials 4-29-10
OSU Sample Taken	# of pounds 0.061g	AC
Sample Sent	Y/N Y	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	85%	ENTERED
Moisture Content	4.9%	
Seed Count	5,591,500	
GERM <u>    </u> TZ <u>OSU</u> Strat Time: NC <u>    </u> 4C <u>    </u> 8C <u>    </u> 13C <u>    </u>		
PURITY <u>94%</u> or NOXIOUS WEED only <u>    </u>		

## 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.
								22.2	4.9

## 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 All Impurities: <u>.008</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.116</u> gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>.124</u> gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>94</u> %
• Weeds _____ gms	
• Noxious _____ gms	

## SEEDS PER POUND

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

.029 .028  
 \_\_\_\_\_  
 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 =  $\frac{453600}{1000 \text{ seed wt.}}$  (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.  
 2 x Total of 5 reps = .285 = 1000 seed wt.  
 Seeds per Pound = 5,591,500

## FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1			
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			<u>.014</u>

bag bal .014  
 WRPIS .009  
 New bal .005

SEED TRANSFER Log Number			
Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
4-29-10	1200		226-test	AC
		1245	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook  Computer NMIS \_\_\_\_\_