

SEEDS



OF SUCCESS

Bend

MSB Serial Number: \_\_\_\_\_

NCRS PLANTS Code: \_\_\_\_\_

Storage Facility: Bend

Date Collected: 10 AUG 2007

Seed Collection Reference Number: NV030-201

Collector(s): D. Tonenna M. Byrne D. Cock S. Choi N. Budde

**SCROPHULARIACEAE**

*Castilleja chromosa*

Country: United States

Ecoregion: 12, Sierra Nevada

State: Nevada

County: Washoe

City/Town/Park: Mt. Rose

Geographic Area: #

Location Details: From the parking lot go S.W. down hiking trail until it breaks. Take the northern trail which leads up some steps. At the second fork keep to the northern-most trail. The population is on the N.E. facing slope less than 2 km west of the parking lot - Ta

Lat. (dg/min/sec): 39° 18' 45" N Long. (dg/min/sec): 119° 54' 34" W

GPS: NAD83

Landowner Details (Permission): U.S. Forest Service

Altitude: 9116 FT

Associated Species: *Abies concolor*, *Monardella odoratissima*, *Wyethia mollis*

Habitat: Sierra Nevada subalpine zone, #

Modifying Factors: Historical Logging

Land Form: Mountain

Aspect: NE

Land Use: Recreation

Slope: 60°

Geology: #

Soil: Meiss-Sibelia-Rock outcrop association - Soil # NV628-1450 (Sand, Rock)

No. of Plants Sampled and Misc.: #

No. of Plants Found: ca 2000

Area Sampled: 4 H

Seeds Collected From: seed - many individuals, plant

Description: found in colonies but also found some solitary/ in open, dry areas

Common Name(s): Common paintbrush, Desert paintbrush

Photograph (to be send electronically to SOS National Office) file name: #

Identification

D. Tonenna M. Byrne D. Cock S. Choi N. Budde - BLM, In field, 8/10/07 and 8/29/07

Herbarium Vouchers

Does the pressed specimen have the same reference as the seed collection? Yes No

No. of Herbarium Vouchers: 1

a. All herbarium duplicates will be sent to Kew to arrange labeling, verification and

Cach 7

Rec 12/7/07

2 paper

410  
036  
---  
374

SOSNV-03007-15

CACH7-SOSNV-030-201-07  
Castilleja chromosa  
NW Indian paintbrush  
BLMS .37 P

# Seed Test/Packaging Record

## PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags <u>~4</u>	Date/Initials <u>4/2/08</u> <u>AC</u>
OSU Sample Taken	# of pounds <u>.05g</u>	
Sample Sent	<u>(Y) N</u>	

## Test Results: Both in-house and/or OSU

100 Seed X-ray	<u>60%</u>	REMARKS <i>60% Filled</i>
Moisture Content		
Seed Count	<u>1,972,000</u>	
GERM	<u>—</u>	TZ <u>OSU</u> Strat Time: NC <u>—</u> 4C <u>—</u> 8C <u>—</u> 13C <u>—</u>
PURITY	<u>83%</u>	or NOXIOUS WEED only <u>—</u>

## MOISTURE CONTENT (use one of two methods below)

**Dole Meter**			**Moisture Analyzer**		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.

## X-Ray Results

<u>60</u> % Filled	<i>Confirmed w/cut</i>
Results from <u>100</u> Seed X-Ray	

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

Wt. of Sample: _____ gms	Wt. of All Impurities: <u>.009</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.045</u> gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>.054</u> gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>83</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).

.022 .023 \_\_\_\_\_  
 \_\_\_\_\_  
 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 = .23 = 1000 seed wt.  
 Seeds per Pound = 1,972,100

## FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.019</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			<u>.019</u>

Transaction Fee: \_\_\_\_\_

Seedbank Location \_\_\_\_\_

SEED TRANSFER Log Number \_\_\_\_\_

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
<u>4/2/08</u>	<u>0900</u>		226-test	<u>AC</u>
		<u>0930</u>	2270-pkg	<u>AC</u>

	ID card file sample
	Regional Office ID file

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