



Please use BLOCK CAPITALS

MSB Serial Number:

Please complete all the priority fields labeled in bold

NRCS PLANTS Code:

Please circle relevant descriptions shown in italics.

MSB Serial Number: [ ]  
NRCS PLANTS Code: CAANZ ✓

Date Collected (DD/MM/YY): 28/06/04

Seed Collection Reference Number: ID075-032

Collector(s): Hilary Schoendorf, Bryan Simon, Dave Hrdijk

Country: USA Ecoregion: Columbia Plateau State: ID County: Butte

Location Details: Just North of Big Southern

Lat. (dg/min/sec): N 43° 25' 50" GPS Used?: Yes No If no, please see other side.

Long. (dg/min/sec): W 113° 00' 54" GPS Datum: NAD83 NAD27 WGS84 Other:

Elevation (feet): 5415 Landowner Details (Permission?): BLM (yes)

HABITAT DATA

Habitat & Associated Species: Gravel shallow soil, somewhat low cover. Associates: Artemisia arbusculas, Pseudotsugensis spicata, Eriogonum ovalifolium Comatium foeniculaceum, Leptodactylon purgens, Comatium triteratum

Modifying Factors: Mowed Burned Grazed Flooded Seeded Trampled Other:

Land Form: Rhyolite Dome Slope: 25°

Land Use: livestock grazing (light if any) Aspect: N NE E SE S SW W NW

Geology: Rhyolite Dome

Soil Texture: Clay Silt Sand Other: Gravel/loam Soil Color: Dry Brown

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

Family: Scrophulariaceae

No. of Plants Sampled: 80

Genus: Castilleja

No. of Plants Found (approx.): 2500-3000

Species: angustifolia

Area Sampled (acres): 2 8000

Subspecies/Variety: [ ]

Seeds Collected From: Plants Ground Both

Plant Habit: Tree Shrub Forb Succulent Grass/Grasslike

Plant Height (feet): [ ]

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

If not, enter details of collector, reference, where lodged, and date collected:

[ ] Rec 7/7/04 PEDEX

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

[ ] ID card needed

Common Name(s) of Plants: NORTHWESTERN INDIAN PAINTBRUSH

Photograph Taken: Digital 35mm Reference: [ ] Where Image will be Filed: [ ]

# Seed Test/Packaging Record

CAAN7-SOSID-075-032-04  
 Castilleja angustifolia  
 Northwest Indian paintbrush  
 SNWC 102 P

TZ

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
OSU Sample Taken	# of pounds	11.01.04 AC
Sample Sent	Y / N	

Test Results: Both Inhouse and/or OSU		REMARKS
100 Seed X-ray	<u>94%</u>	 <b>ENTERED</b>
Moisture Content		
Seed Count	<u>2,061,820</u>	
GERM <u>—</u> TZ <u>—</u>	Strat Time: NC <u>—</u> 4C <u>—</u> 8C <u>—</u> 13C <u>—</u>	
PURITY <u>79%</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>94</u> % Filled
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>.006</u> gms
Wt. Of Impurities:	Wt. Of Clean Seed <u>.022</u> gms
* Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds) <u>.028</u> gms</b>
* Inerts _____ gms	Percent Purity = $\frac{\text{Wt. Of clean seeds}}{\text{Wt. Of Total}} \times 100 = \underline{79} \%$
* Weeds _____ gms	
* Noxious _____ gms	

SEEDS PER POUND	***NOTE: If difference between max and min is less than 10% of average of samples, data is acceptable.
Weight to three decimal places, when possible	
Wt. Of 5 reps of 100 seeds each (in grams).	Difference between max & min wt. _____ 10% of average _____
<u>.022</u>	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$
TOTAL of ALL Reps _____	To calculate M seed wt, take Total of 5 samples times 2.
Average <u>.022</u>	2 x Total of 5 reps = <u>.22</u> = 1000 seed wt.
	Seeds per Pound = <u>2,061,820</u>

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>0.015</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL WT.			<u>0.015</u>

 **ENTERED**

Transaction Fee:  <b>ENTERED</b>
Seedbank Location

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

DATE	Start	Stop	Process	Initials
11.01.04	0855		226-test	AC
		0915	2270-pkg	AC

<u>09-10-04</u>	ID card file sample <b>YES!</b>
	Regional Office ID file