cleve_davis@blm.gov | Test: X ray, moisture content, purity, seeds/pound, & TZ test. Store at Bend

BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 25 June 2003)

Please use BLOCK CAPITALS

Please complete all the priority fields labeled in **bold**.

Please circle relevant descriptions shown in *italics*.

MSB Serial Number:

NRCS PLANTS Code: LOCA4

Date Collected (DD/MM/YY): 05/05/04 **Seed Collection Reference Number:** ID075-016

Collector(s): Cleve Davis, Matt Greer, Bryan Simon

Country: USA **Ecoregion:** Columbia Plateau **State:** ID **County:** Lincoln

Location Details: Just northwest of Mammoth Cave in the Black Butte Hills

Lat. (dg/min/sec): N 46°05'46" GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec): W 114°26'57" GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 4,642 Landowner Details (Permission?): BLM (Yes)

HABITAT DATA

Habitat & Associated Species: Dry barren gravel (basalt) soils. Associated with Artemisia arbuscula, Purshia tridentata, Bromus tectorum, Lewisia rediviva, and Bromus tectorum.

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

Land Form: Volcanic Buttes Slope°: Flat

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

Geology: Basalt

Soil Texture: *Clay* *Silt* *Sand* *Other:* Gravel Soil Color: Reddish brown

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

Family: Apiaceae **No. of Plants Sampled:** 665

Genus: Lomatium **No. of Plants Found (approx.):** 5000

Species: canbyi **Area Sampled (acres):** 160

Subspecies/Variety:

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

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): ~0.6

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: 1 med cloth bag 0.310#

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Identified plant using Intermountain Flora Vol 3 Part A. Shallow globose-thickened root. Rec 5/11/04

Common Name(s) of Plants: Canby's biscuitroot Need ID card

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

No photo taken.

Long code LOCA4-SOSID-075-016-04

SOSID-075-04-01

SOSID-07504-01

LOCA4-SOSID-075-016-04
Lomatium canbyi
Canby's buscuitroot
SNWC .31 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
		7/22/04 NR
OSU Sample Taken	# of pounds	
	1.189 gms	
Sample Sent	(Y)/ N	

Test Results: Both Inhouse and/or OSU

100 Seed X-ray 93
Moisture Content
Seed Count 90,179
GERM ____ or TZ ____ Strat Time: NC ____ 4C ____ 8C ____ 13C ____
PURITY 99 or NOXIOUS WEED only ____

REMARKS POSTED

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

93 % 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 ____ gms
* Weeds ____ gms
* Noxious ____ gms

Wt. Of all Impurities: ____ gms
Wt. Of Clean Seed ____ gms
TOTAL (Impurities + Clean Seeds) ____gms
Percent Purity = (Wt. Of clean seeds) / (Wt. Of Total) X 100 = 99 %

SEEDS PER POUND

Weight to three decimal places, when possible
Wt. Of 5 reps of 100 seeds each (in grams).
0.526 0.489 0.489
0.508 0.503
TOTAL of ALL Reps 2.515
Average _____

***NOTE: If difference between max and min is less than 10% of average of samples, data is acceptable.

Difference between max & min wt. ____ 10% of average ____

NOTE: Seeds/Pound = 453600 / 1000 seed wt.

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 5.030 = 1000 seed wt.
Seeds per Pound = 90,179

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.191	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL WT.	0.191

POSTED

Set-up Storage Fee: _____ ENTERED

Seedbank Location

SEED TRANSFER

Date	Wt. Shipped	Ship via	Purpose/Remarks

DATE	Start	Stop	Process	Initials
			226	
			2270	

Have!	10-20 Seeds taken for ID ~~card file~~ Herb
_____	Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ **Computer NMIS** _____ **Inventory Card** ✓ **Y** ____ **NA**