

SEEDS



OF SUCCESS

MSB Serial Number: _____

NCRS PLANTS Code: BASA3

Storage Facility: # _____

Date Collected: 07 JUL 2009

Seed Collection Reference Number: NV030-261

Collector(s): Rivas, C., Robinson, G., Miceli, D., Koski, M.

ASTERACEAE

Balsamorhiza sagittata

Country: United States

Ecoregion: 12, Sierra Nevada

State: California

County: Sierra

City/Town/Park: # _____

Geographic Area: Dog Valley

Location Details: Off both sides of Forest Service improved gravel road through Dog Valley, about one mile after reaching valley floor

Lat. (dg/min/sec): 39° 33' 21.993" N

Long. (dg/min/sec): 120° 03' 27.185" W

GPS: WGS84

Landowner Details (Permission): USFS

Altitude: 6030 FT

Associated Species: *Purshia tridentata*, *Pinus jeffreyi*, *Arctostaphylos patula*, *Ceanothus prostratus*, *Wyethia mollis*, *Apocynum androsaemifolium*, *Pinus jeffreyi*, *Pinus ponderosa*, *Cercocarpus ledifolius*, *Perideridia* sp., *Vicia americana*, *Chrysothamnus* sp., *Achillea millefolium*, *Ceanothus pr*

Habitat: Open Jeffery Pine Forest, upland pine with thick understory of shrubs

Modifying Factors: none

Land Form: Valley

Aspect: Southeast

Land Use: recreation

Slope: 2°

Geology: # _____

Soil: loam 7.5YR 6/3;3/3 moist

No. of Plants Sampled and Misc.: 200

No. of Plants Found: > 400

Area Sampled: 80 A

Seeds Collected From: seed - many individuals, plant

Description: ca 3 ft. tall, composite flower heads on long stalk, blue-green arrow shaped basal leaves

Common Name(s): Arrowleaf balsamroot

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

Identification

NV030- in field, 7-29-09

Herbarium Vouchers

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

No. of Herbarium Vouchers: 4 vouchers taken

- All herbarium duplicates will be sent to Kew to arrange labeling, verification and distribution (default).
- One duplicate will be sent to _____ herbarium for verification, other duplicates will be sent by the collector to Kew to arrange labeling and distribution.
- All herbarium duplicates will be sent to _____ herbarium that has agreed to arrange labeling, verification and distribution.

8/4/09

lgroc

0.718

- 0.151

0.567#

Seed Test/Packaging Record

SOS-NV030-261

BASA3-SOS-NV030-261-09
 Balsamorhiza sagittata
 arrowleaf balsamroot
 BLMS .56 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	12-6-09 AC
OSU Sample Taken	# of pounds	
	~710	100seed
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	62%	ENTERED
Moisture Content	too few	
Seed Count	64,200	
GERM	___ TZ OSU	Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	99	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.

X-Ray Results
62 % 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: _____ gms
Wt of Impurities: _____ gms	Wt. of Clean Seed _____ gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) _____ gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{\sim 99} \%$
• Weeds _____ gms	
• Noxious _____ gms	

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).

-706

TOTAL of ALL Reps: _____

Average: _____

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 = $\frac{7.06}{2} = 3.53$ = 1000 seed wt.

Seeds per Pound = $\frac{64,200}{3.53} = \underline{18,187}$

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	~006		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			~006

beg bal ~006
 WRPIS - ALL ~230PLS
 NEW BAL = 0

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

DATE	Start	Stop	Process	Initials
12-6-09	1200		226-test	AC
		1230	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS _____