

SEEDS



OF SUCCESS

MSB Serial Number: _____

NCRS PLANTS Code: _____

Storage Facility: Bend

Date Collected: 23 OCT 2009

Seed Collection Reference Number: NV030-304

Collector(s): A. Robinson, M. Koski, M. McCoy-Sulentie

LOASACEAE

Mentzelia laevicaulis

Country: United States

Ecoregion: 11, Great Basin

State: Nevada

County: Washoe

City/Town/Park: Wadsworth

Geographic Area: Near Truckee River

Location Details: Take James Ranch Road in Hawthorne, NV to the end. Park at residence and request permission. Walk downhill approx. 50 meters to collection site.

Lat. (dg/min/sec): 39° 39' 4.186" N Long. (dg/min/sec): 119° 17' 2.289" W

GPS: NAD83

Landowner Details (Permission): Private

Altitude: 4014 FT

Associated Species: *Populus fremontii*, *Mentzelia laevicaulis*, *Lepidium sp.*, *Eriogonum nidularium*, *Salix sp.*, *Verbascum thapsis*, *Salsola kali*, *Eriastrum sp.*, *Chrysothamnus viscidiflorus*, *Rumex sp.*, *Lythrum salicaria*, *Artemisia ludoviciana*, *Artemisia tridentata*

Habitat: riparian-xeric transition zone

Modifying Factors: Flood Plain

Land Form: floodplain

Aspect: 282

Land Use: Private

Slope: 1°

Geology: #

Soil: Sand

No. of Plants Sampled and Misc.: 500 plants sampled

No. of Plants Found: ca 1000

Area Sampled: 5 A

Seeds Collected From: seed - many individuals, plant

Description: Height 1-3

Common Name(s): #

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

Identification

Tonenna D. - BLM, In Field, 10/23/09

Herbarium Vouchers

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

No. of Herbarium Vouchers: Four 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.

Seed Test/Packaging Record

PRIORITY

SOS-NV030-304

MELA-SOS-NV030-304-09
 Mentzelia laevicaulis
 smooth-stem blazing star
 BLMS 7.77 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	1-5-10 AC
OSU Sample Taken	# of pounds	
	.3g	
Sample Sent	Y/N	

Test Results: Both in-house and/or OSU	
100 Seed X-ray	REMARKS
Moisture Content	95 6-2% 365,800
Seed Count	
GERM <u> </u> TZ <u>OSU</u> Strat Time: NC <u> </u> 4C <u> </u> 8C <u> </u> 13C <u> </u>	
PURITY <u>97%</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.
						—	66'	29.5	6-2

X-Ray Results
95 % 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>.011</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.396</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>.407</u> gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>97</u> %
• 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).	Difference between max & Min wt. _____ 10% of average _____
<u>.126</u> <u>.122</u>	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
TOTAL of ALL Reps: _____	To calculate M seed wt, take Total of 5 samples times 2.
Average: _____	2 x Total of 5 reps = <u>1.27</u> = 1000 seed wt.
	Seeds per Pound = <u>365,800</u>

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1			
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>.578</u>

beg. bal .578
 WRPIS -.030 # 10,000
 New bal = .548

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

DATE	Start	Stop	Process	Initials
1-5-10	0745		226-test	AC
		0830	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS