

SEEDS



OF SUCCESS

MSB Serial Number: _____
 NCRS PLANTS Code: LEGO
 Storage Facility: Bend
 Date Collected: 18 JUN 2008
 Seed Collection Reference Number: AZ930-254
 Collector(s): Johnson, J., King, M.
 BRASSICACEAE
Lesquerella gordonii

Country: United States Ecoregion: 23, Sonoran Desert
 State: Arizona County: Yavapai
 City/Town/Park: Agua Fria National Monument Geographic Area: Sycamore Mesa
 Location Details: Agua Fria National Monument. Dugas Road, 0.2 miles east of Interstate 17.
 Forest Service Road 68C, 0.3 miles south of Dugas Road.
 Lat. (dg/min/sec): 34° 23' 44.1" N Long. (dg/min/sec): 112° 04' 08.5" W
 GPS: NAD83

Landowner Details (Permission): BLM

Altitude: 3827 FT

Associated Species: *Prosopis velutina*, *Acacia greggii*, *Erodium cicutarium*, *Bromus rubens*, *Opuntia phaeacantha*, *Krameria erecta*, *Gutierrezia sarothrae*, *Sphaeralcea rusbyi*, *Echinocereus engelmannii*.

Habitat: Semidesert Grassland

Modifying Factors: None

Land Form: Mesa

Aspect: All

Land Use: Multiple Use

Slope: 0-3°

Geology: Basalt

Soil: 7.5YR3/4

No. of Plants Sampled and Misc.: 400 plants sampled

No. of Plants Found: 1000

Area Sampled: 1.5 A

Seeds Collected From: seed - many individuals, plant

Description: Height: 7 inches

Common Name(s): gordon's bladderpod

Photograph (to be send electronically to SOS National Office) file name: LEGO -AZ930-252-A, LEGO -AZ930-252-B, LEGO -AZ930-252-C

Identification

Johnson, J. - DES, In field, June 17, 2008

Herbarium Vouchers

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

No. of Herbarium Vouchers: 1 - sent to Smithsonian

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

Rec 6/25/08

1 gproc
0.550#

By default, besides any herbaria mentioned above, one specimen will be sent to Kew and one to the Smithsonian. If you would like to request that additional specimens be sent to regional and/or local herbaria, please fill in the following information:

Regional Herbarium:

Local Herbarium:

SOS AZ.17

SOSAZ-93008-17

Seed Test/Packaging Record

LEGO-SOSAZ-930-254-08
Lesquerella gordonii
Gordon's bladderpod
BLMS .55 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	1	1/20/09
OSU Sample Taken	# of pounds	AC
	0.2529	
Sample Sent	(Y)N	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	92%	ENTERED
Moisture Content	4.5%	
Seed Count	365,800	
GERM ___ TZ <u>OSU</u> Strat Time: NC ___ 4C ___ 8C ___ 13C ___		
PURITY <u>99</u> or NOXIOUS WEED only ___		

MOISTURE CONTENT (use one of two methods below)

Dole Meter			**Moisture Analyzer**		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.
			~70°	RH	4.5
				20.0%	

X-Ray Results

92% 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 = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \sim 99\%$
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

Weight to three decimal places, when possible
Wt. of 5 reps of 100 seeds each (in grams).

.122 .126

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 = $\frac{453600}{1000}$ (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.

2 x Total of 5 reps = $\frac{1.24}{2} = 1000$ seed wt.

Seeds per Pound = 365,800

~~✗~~ .030# to PPMC 10,000 PLS

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	0.201		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			0.201

Transaction Fee: _____

Seedbank Location _____

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
1-20-09	1255		226-test	AC
		1335	2270-pkg	AC

	ID card file sample
	Inventory card completed

POSTED TO: Lot Completion Logbook Computer NMIS _____