

SEEDS



OF SUCCESS

MSB Serial Number: _____

NCRS PLANTS Code: LUSP2

Storage Facility: Bend

Date Collected: 21 APR 2009

Seed Collection Reference Number: AZ930-278

Collector(s): Johnson, J., King, M.

FABACEAE

Lupinus sparsiflorus

Country: United States

Ecoregion: 23, Arizona/New Mexico Mountains

State: Arizona

County: Yavapai

City/Town/Park: Agua Fria National Monument

Geographic Area:

Location Details: Agua Fria National Monument. Bloody Basin Road, 2.3 miles east of junction with interstate 17. North side of road.

Lat. (dg/min/sec): 34° 15' 58.9" N Long. (dg/min/sec): 112° 05' 35" W

GPS: NAD83

Landowner Details (Permission): BLM

Altitude: 3585 FT

Associated Species: *Prosopis velutina*, *Acacia greggii*, *Juniperus coahuilensis*, *Stephanomeria pauciflora*, *Opuntia engelmannii*, *Krameria erecta*, *Gutierrezia sarothrae*, *Lotus rigidus*, *Echinocereus engelmannii*, *Bromus rubens*, *Erodium cicutarium*, *Cirsium neomexicanum*, *Eriogonum inflatum*

Habitat: Semidesert Grassland

Modifying Factors: None

Land Form: Hills

Aspect: W

Land Use: Multiple

Slope: 5-10°

Geology: Granitic

Soil: 7.5YR 5/3 brown, dry

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

No. of Plants Found: ca 2500

Area Sampled: 3 A

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 12 inches

Common Name(s): Coulter's lupine

Photograph (to be send electronically to SOS National Office) file name: LUSP2-AZ930-278-A, LUSP2-AZ930-278-B, LUSP2-AZ930-278-C

Identification

Johnson, J. -DES, In Field. April 14, 2009

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.

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:

5/12/09

1 groc

SOS-AZ930-278

LUSP2-SOS-AZ930-278-AGUAFRIA-09

Lupinus sparsiflorus

Coulter's lupine

BLMS

.71 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	2/1/2010 AC
OSU Sample Taken	# of pounds	
	1.5g	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	65%	ENTERED
Moisture Content	5.6%	
Seed Count	62,500	
GERM	TZ 0.5u	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.
							66	26.1	5.6

X-Ray Results

65 % 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).

.730 .712 _____

 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 = 7.25 = 1000 seed wt.

Seeds per Pound = 62,500

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.			.210

beg bal
WRPIS
New bal

-210
- ALL ~8,000 PLS
⊕

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
2-1-2010	0820		226-test	AC
		0900	2270-pkg	AC

<input checked="" type="checkbox"/>	ID card file sample
<input type="checkbox"/>	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____