

SEEDS



OF SUCCESS

MSB Serial Number: \_\_\_\_\_  
NCRS PLANTS Code: ENVI  
Storage Facility: Bend  
Date Collected: 19 JUN 2008  
Seed Collection Reference Number: AZ930-256  
Collector(s): Johnson, J., King, M.  
ASTERACEAE

*Encelia virginensis*

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' 44.8" N      Long. (dg/min/sec): 112° 03' 57.2" W  
GPS: NAD83

Landowner Details (Permission): BLM  
Altitude: 3836 FT  
Associated Species: *Pleuraphis mutica*, *Acacia greggii*, *Baileya multiradiata*, *Aristida* sp., *Mimosa aculeaticarpa* var *biuncifera*, *Krameria erecta*, *Mahonia haematocarpa*, *Echinocereus engelmannii*.

Habitat: Semidesert Grassland  
Modifying Factors: Grazed  
Land Form: Hillside      Aspect: East  
Land Use: Multiple Use      Slope: 5-8°  
Geology: Sedimentary/Granite  
Soil: 7.5YR4/3.5

No. of Plants Sampled and Misc.: 100 plants sampled  
No. of Plants Found: 250

Area Sampled: 2.5 A  
Seeds Collected From: seed - many individuals, plant  
Description: Height: 1.5 Feet

Common Name(s): Virgin River brittlebush  
Photograph (to be send electronically to SOS National Office) file name: ENVI -AZ930-252-A, ENVI -AZ930-252-B, ENVI -AZ930-252-C

Identification  
Johnson, J. - DES, In herbarium, June 13, 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.

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:  *Jim MMS*

*Rec 6/25/08*  
*1.550#*  
*15K*

*AZ-18*

SOSAZ-93008-18

ENVI-SOSAZ-930-256-08  
 Encelia virginensis  
 Virgin River brittlebush  
 BLMS 1.55 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	1/20/09
OSU Sample Taken	# of pounds	AC
	.675	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	88%	ENTERED
Moisture Content	4.7%	
Seed Count	134,500	
GERM	___	TZ <u>OSU</u> Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	94%	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°	21%	4.7

X-Ray Results
88 % 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>.95</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>15.6</u> gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>16.55</u> gms
• Inerts <u>.95</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>94</u> %
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.336 .337

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 =  $\frac{453600}{1000 \text{ seed wt.}}$  (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.  
 2 x Total of 5 reps =  $\frac{3.37}{2} = 1000 \text{ seed wt.}$   
 Seeds per Pound = 134,500

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.463</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		<b>TOTAL Wt.</b>	<u>.463</u>

Transaction Fee: \_\_\_\_\_ 090 + 10 PPMC ~10,000 PLS

Seedbank Location \_\_\_\_\_

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

DATE	Start	Stop	Process	Initials
1/20/09	0945		226-test	AC
		1030	2270-pkg	AC

ID card file sample \_\_\_\_\_  
 Inventory card completed \_\_\_\_\_