

SEEDS



OF SUCCESS

MSB Serial Number: \_\_\_\_\_  
NCRS PLANTS Code: BOHI2  
Storage Facility: Bend  
Date Collected: 15 OCT 2008  
Seed Collection Reference Number: AZ930-270  
Collector(s): Johnson, J., King, M.

POACEAE  
*Bouteloua hirsuta*

Country: United States                      Ecoregion: 23, Sonoran Desert  
State: Arizona                                  County: Yavapai  
City/Town/Park: Agua Fria National Monument                      Geographic Area:  
Location Details: Agua Fria National Monument. Bloody Basin Road, 4 miles east of junction  
with Interstate 17. Left side of the road.  
Lat. (dg/min/sec): 34° 15' 51.8" N    Long. (dg/min/sec): 112° 04' 12.0" W  
GPS: NAD83

Landowner Details (Permission): BLM (yes)  
Altitude: 3436 FT

Associated Species: *Prosopis velutina*, *Acacia greggii*, *Juniperus sp.*, *Mimosa aculeaticarpa var. biuncifera*, *Opuntia engelmannii*, *Krameria erecta*, *Gutierrezia sarothrae*, *Eriogonum wrightii*, *Mahonia haematocarpa*, *Bouteloua eriopoda*, *Bouteloua curtipendula*, *Calliandra eriophylla*

Habitat: Semidesert Grassland

Modifying Factors: None

Land Form: Foothills

Aspect: All

Land Use: Multiple Use

Slope: 0-40°

Geology: Granitic

Soil: 7.5YR5/6

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

No. of Plants Found: >1000

Area Sampled: 4A

Seeds Collected From: seed - many individuals, plant

Description: Height: 1 foot

Common Name(s): hairy grama

Photograph (to be send electronically to SOS National Office) file name: BOHI2-AZ930-268-A, BOHI2-AZ930-268-B, BOHI2-AZ930-268-C

**Identification**

Johnson, J. - DES, In herbarium, Sept 10, 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:

10/21/08  
L groc  
0.897  
151  
74 6

SOSAZ-93008-33

# Seed Test/Packaging Record

BOH12-SOSAZ-930-270-08

Bouteloua hirsuta

hairy grama

BLMS

.745 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	1/22/09
OSU Sample Taken	# of pounds	AC
	.098g	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	79%	Some stripped seed
Moisture Content	5.3%	
Seed Count	945,000	
GERM	TZ OSU	Strat Time: NC 4C 8C 13C
PURITY	92%	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.
							70°	24.2%	5.3

X-Ray Results
79 % 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: -20 gms
Wt of Impurities: _____ gms	Wt. of Clean Seed 2.24 gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds) 2.44 gms</b>
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = 92\%$
• 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).	
.099 .047	Difference between max & Min wt. _____ 10% of average _____
TOTAL of ALL Reps: _____	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
Average: _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = .48 = 1000 seed wt.
	Seeds per Pound = 945,000

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.088		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			.088

\* .015# to PPMC ~10,000

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

DATE	Start	Stop	Process	Initials
1/22/09	0940		226-test	AC
		1035	2270-pkg	AC

ID card file sample
Regional Office ID file

POSTED TO: Lot Completion Logbook  Computer NMIS \_\_\_\_\_