

SEEDS



OF SUCCESS

MSB Serial Number: _____
NCRS PLANTS Code: BOBA2
Storage Facility: Bend
Date Collected: 17 SEPT 2008
Seed Collection Reference Number: AZ930-264
Collector(s): Johnson, J., King, M.
POACEAE
Bouteloua barbata

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, 3.3 miles east of junction
with interstate 17. Left side of the road.
Lat. (dg/min/sec): 34° 15' 59.6" N Long. (dg/min/sec): 112° 04' 41.2" W
GPS: NAD83

Landowner Details (Permission): BLM (yes)
Altitude: 3525 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*

Habitat: Semidesert Grassland

Modifying Factors: None

Land Form: Foothills

Aspect: All

Land Use: Multiple Use

Slope: 0°

Geology: Granitic

Soil: 7.5YR5/6

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

10/7

No. of Plants Found: 300

Area Sampled: 1.5A

Seeds Collected From: seed - many individuals, plant

Description: Height: <1 Foot

Common Name(s): sixweeks grama

Photograph (to be send electronically to SOS National Office) file name: BOBA2-AZ930-264-A, BOBA2-AZ930-264-B, BOBA2-AZ930-264-C

1 envelope
0.075#

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

- 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 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:

SOSAZ-93008-25

BOBA2-SOSAZ-930-264-08
 Bouteloua barbata
 sixweeks grama
 BLMS .075 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	1/29/09 AC
OSU Sample Taken	# of pounds	
	.037g	
Sample Sent	Y/N	
	Y	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	78	Seed appears black for empty. Xray surprised me that it was close to 80% fill. Curious to see what TZ says.
Moisture Content	4.5%	
Seed Count	3,520,000	
GERM	TZ OSU	Strat Time: NC 4C 8C 13C
PURITY	82%	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°	20%	45

X-Ray Results
78 % 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: .044 gms
Wt of Impurities:	Wt. of Clean Seed .198 gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) .242 gms
• Inerts .044 gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = 82\%$
• Weeds _____ gms	<i>yuck! Impurities are very lightweight fluff, so purity seems much worse than 82% - A mess.</i>
• 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 _____
.019 .019 .019 .017	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 = .18 = 1000 seed wt.
	Seeds per Pound = 3,520,000

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.026		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			.026

wait to send PPMC - TZ etc.

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

DATE	Start	Stop	Process	Initials
1/29/09	0930		226-test	AC
		1020	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