

SEEDS



OF SUCCESS

MSB Serial Number: _____
 NCRS PLANTS Code: BOBA3
 Storage Facility: Bend
 Date Collected: 17 SEPT 2008
 Seed Collection Reference Number: AZ930-263
 Collector(s): Johnson, J., King, M.
 POACEAE
Bothriochloa barbinodis

Country: United States Ecoregion: 23, Sonoran Desert
 State: Arizona County: Yavapai
 City/Town/Park: Agua Fria National Monument Geographic Area: Perry Mesa
 Location Details: Agua Fria National Monument. Bloody Basin Road, 7 miles east of junction with Interstate 17.

Lat. (dg/min/sec): 34° 14' 33.3" N Long. (dg/min/sec): 112° 02' 53.5" W

GPS: NAD83

Landowner Details (Permission): BLM (yes)

Altitude: 3670 FT

Associated Species: *Prosopis velutina, Acacia greggii, Juniperus sp., Heliomeris longifolia var. annua, Opuntia engelmannii, Pleuraphis mutica, Gutierrezia sarothrae, Eriogonum wrightii, Leptochloa panicea ssp. brachiata*

Habitat: Semidesert Grassland

Modifying Factors: None

Land Form: Mesa

Aspect: All

Land Use: Multiple Use

Slope: 0°

Geology: Basalt

Soil: 7.5YR4/3

No. of Plants Sampled and Misc.: 200 plants sampled

No. of Plants Found: 500-1000

Area Sampled: 1.5A

Seeds Collected From: seed - many individuals, plant

Description: Height: 2 Feet

Common Name(s): cane bluestem

Photograph (to be send electronically to SOS National Office) file name: BOBA3-AZ930-263-A, BOBA3-AZ930-263-B, BOBA3-AZ930-263-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:

Regional Herbarium:

Local Herbarium:

lgro
0.320#
Rec 10/7/08

SOSAZ-93008-24

BOBA3-SOSAZ-930-263-08
 Bothriochloa barbinodis
 cane bluestem
 BLMS .32 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	1/22/09
OSU Sample Taken	# of pounds	AC
	.39g	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	88%	green/immature?
Moisture Content	5.0%	see Linda's note - yellow
Seed Count	283,500	fuzzy - seed stick together
GERM	TZ OSU	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.
							71°	23.2	5.0%

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: _____ gms
Wt of Impurities: _____ gms	Wt. of Clean Seed _____ gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) _____ gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{\sim 99} \%$
• 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)	
.158 .161	Difference between max & Min wt. _____ 10% of average _____
TOTAL of ALL Reps: _____	NOTE: Seeds/Pound = $\frac{453600}{1000}$ (453.6 grams = 1 pound)
Average: _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = $\frac{1.6}{2} = 1000$ seed wt.
	Seeds per Pound = <u>283,500</u>

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.012		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			.012

* .042# PPMC ~10,000

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

DATE	Start	Stop	Process	Initials
1/22/09	1145		226-test	AC
		1230	2270-pkg	AC

	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS