

SEEDS



OF SUCCESS

MSB Serial Number: PLMU3
 NCRS PLANTS Code: PLMU3
 Storage Facility: Bend
 Date Collected: 03 JUNE 2008
 Seed Collection Reference Number: AZ930-251
 Collector(s): Johnson, J., Head, J.
 POACEAE
Pleuraphis mutica

Rec
6/18

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. Perry Mesa. Bloody Basin Road. 8.7 miles from junction with Interstate 17.
 Lat. (dg/min/sec): 34° 14.011' N Long. (dg/min/sec): 112° 01.458' W
 GPS: NAD83

Landowner Details (Permission): BLM (yes)

Altitude: 3765 FT

Associated Species: *Prosopis velutina*, *Acacia greggii*, *Hordeum pusillum*, *Gutierrezia sarothrae*, *Bromus rubens*, *Erodium cicutarium*, *Hilaria belangeri*, *Plagiobothrys arizonicus*, *Plantago patagonica*, *Amsickia sp.*

Habitat: Semidesert Grassland

Modifying Factors: None

Land Form: Mesa

Aspect: All

Land Use: Multiple Use

Slope: 0-3°

Geology: Igneous Basalt

Soil: Dark Brown, Clay

No. of Plants Sampled and Misc.: 800 plants sampled

No. of Plants Found: > 5000

Area Sampled: 3 A

Seeds Collected From: seed - many individuals, plant

Description: Height: 1 foot

Common Name(s): tobosagrass

Photograph (to be send electronically to SOS National Office) file name: PLMU3-AZ930-251-A, PLMU3-AZ930-251-B, PLMU3-AZ930-251-C

Identification

Johnson, J. - DES, In herbarium, June, 3, 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:

SOSAZ-93008-14

PLMU3-SOSAZ-930-251-08

Pleuraphis mutica
tobasagrass

BLMS .6 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	2/17/09
OSU Sample Taken	# of pounds	AC
	0.235g	
Sample Sent	Y/N	
	Y	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	96%	
Moisture Content	4.7%	
Seed Count	387,690	
GERM	TZ OSU	Strat Time: NC 4C 8C 13C
PURITY	96%	or NOXIOUS WEED only

MOISTURE CONTENT (use one of two methods below)

Dole Meter			**Moisture Analyzer** HYGRO		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.
			69°	21'	4.7%

X-Ray Results

96 % 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>0.09</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>0.92</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>0.96</u> gms
• Inerts <u>0.04</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = 96\%$
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.115 .118

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 = $1.17 = 1000 \text{ seed wt.}$
Seeds per Pound = 387,690

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>0.005</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>0.005</u>

* * * 0.028# TO PPMC ~10,000 PLS

Transaction Fee: _____

Seedbank Location _____

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
2-17-09	1400		226-test	AC
		1440	2270-pkg	AC

ID card file sample
 Inventory card completed

POSTED TO: Lot Completion Logbook Computer NMIS _____