

SEEDS



OF SUCCESS

MSB Serial Number: \_\_\_\_\_  
 NCRS PLANTS Code: PLAR  
 Storage Facility: Bend  
 Date Collected: 22 MAY 2008  
 Seed Collection Reference Number: AZ930-246  
 Collector(s): Johnson, J., Head, J.  
**BORAGINACEAE**  
*Plagiobothrys arizonicus*

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, 7.5 miles east of junction with Interstate 17.

Lat. (dg/min/sec): 34° 14' 13.4" N    Long. (dg/min/sec): 112° 02' 29.3" W  
 GPS: NAD83

Landowner Details (Permission): BLM (yes)

Altitude: 3687 FT

Associated Species: *Juniperus sp.*, *Prosopis velutina*, *Acacia greggii*, *Pleuraphis mutica*, *Avena fatua*, *Hordeum pusillum*, *Erodium cicutarium*, *Plantago patagonica*, *Microseris lindleyi*, *Heliomeris longifolia var. annua*, *Amsinckia sp.*, *Cylindropuntia sp.*, *Opuntia phaeacantha*

Habitat: Semidesert Grassland

Modifying Factors: Grazed

Land Form: Mesa

Aspect: All

Land Use: Multiple Use

Slope: 0-5°

Geology: Basalt

Soil: 5YR5/2 Pale brown, silt >> clay

No. of Plants Sampled and Misc.: 600 plants sampled

No. of Plants Found: >5000

Area Sampled: 1 A

Seeds Collected From: seed - many individuals, plant

Description: Height: 12-15"

Common Name(s): Arizona popcorn flower

Photograph (to be send electronically to SOS National Office) file name: PLAR-AZ930-246-A, PLAR AZ930-246-B, PLAR -AZ930-246-C

**Identification**

Johnson, J. - DES, In field, May, 22, 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:

# Seed Test/Packaging Record

**SOSAZ-93008-11**

PLAR-SOSAZ-930-246-08  
 Plagiobothrys arizonicus  
 Arizona popcorn flower  
 BLMS .61 P

## PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags 1	Date/Initials 12/3/08 AC
OSU Sample Taken	# of pounds .290 g	
Sample Sent	(Y) N	

## Test Results: Both in-house and/or OSU

100 Seed X-ray	~90%	REMARKS  ENTERED
Moisture Content	5.8%	
Seed Count	321,700	
GERM	TZ OSU	Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	~99	or NOXIOUS WEED only ___

## MOISTURE CONTENT (use one of two methods below)

**Dole Meter**			**Moisture Analyzer** Hygro		
Dial Reading	M.C.	Grams	Temp	Time Used	% M.C.
			70°	27.3	5.8%

## X-Ray Results

~90 % Filled *confirmed w/out seed*  
 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:	Wt. of Clean Seed _____ gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> _____ gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ ~99 %
• Weeds _____ gms	
• Noxious _____ gms	

## SEEDS PER POUND

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

.134 .145  
 \_\_\_\_\_  
 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 =  $\frac{453600}{1000}$  (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.

2 x Total of 5 reps = 1.41 = 1000 seed wt.

Seeds per Pound = 321,700

## FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.177		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			.177

Transaction Fee: \_\_\_\_\_ *0.35# sent to PPMC ~10,000 PLS*

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

## SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
12/3/08	0755		226-test	AC
		0735	2270-pkg	AC

*got it*  
 ID card file sample  
 Inventory card completed

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