



MSB Serial Number:
NCRS PLANTS Code: SPAM2
Storage Facility: Bend
Date Collected: 18 MAY 2009
Seed Collection Reference Number: AZ930-284
Collector(s): Johnson, J., King, M.
MALVACEAE
Sphaeralcea ambigua

Country: United States Ecoregion: 23, Arizona/New Mexico Mountains
State: Arizona County: Maricopa
City/Town/Park: Tonto National Forest Geographic Area: Seven Springs Recreation Area
Location Details: Seven Springs Recreation Area. Bronco Trail (Trail 245) about 0.1 miles from trailhead.
Lat. (dg/min/sec): 33° 55' 59.0" N Long. (dg/min/sec): 111° 49'09.4" W

GPS: NAD83

Landowner Details (Permission): USFS

Altitude: 3670 FT

Associated Species: *Plantago patagonica*, *Acacia greggii*, *Krameria erecta*, *Rhus ovata*, *Gutierrezia sarothrae*, *Rhamnus ilicifolia*, *Quercus turbinella*, *Keckiella antirrhinoides*

Habitat: Interior Chaparral

Modifying Factors: None

Land Form: Hills

Aspect: All

Land Use: Recreation

Slope: 0-5°

Geology: Basalt

Soil: 5YR 4/4 reddish brown, dry. Silt

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

No. of Plants Found: > 5000

Area Sampled: 2 A

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 2-3 feet

Common Name(s): desert globemallow

Photograph (to be send electronically to SOS National Office) file name: SPAM2-AZ930-284-A, SPAM2-AZ930-284-B, SPAM2-AZ930-284-C

Identification

Johnson, J. -DES, In Field. May 18, 2009.

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:

Handwritten calculation: 960 - 256 = 704

Handwritten note: rec 6/23

SOS-AZ930-284

SPAM2-SOS-AZ930-284-BRONCOTRAIL-09
 Sphaeralcea ambigua
 desert globemallow
 BLMS .71 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	5	3-8-10
OSU Sample Taken	# of pounds	AC
	.3g	
Sample Sent	(Y)/N	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	92%	ENTERED
Moisture Content	6.0%	
Seed Count	310,600	
GERM ___ TZ <u>OSU</u> 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.
								27.6	6.0

X-Ray Results
92 % 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 = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \sim 99\%$
• 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).	Difference between max & Min wt. _____ 10% of average _____
<u>~148</u> <u>.142</u>	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 = $1.46 = 1000 \text{ seed wt.}$
	Seeds per Pound = <u>310,600</u>

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1			
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>.203</u>

beg bal -203
 WRPIS - .036 ^{10,000}
 New bal .167

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

DATE	Start	Stop	Process	Initials
3-8-10	1325		226-test	AC
		1400	2270-pkg	AC

	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS