

SEEDS



OF SUCCESS

MSB Serial Number: \_\_\_\_\_  
 NCRS PLANTS Code: **HYSA**  
 Storage Facility: Bend  
 Date Collected: 24 APR 2009  
 Seed Collection Reference Number: AZ930-280  
 Collector(s): Johnson, J., King, M.  
 ASTERACEAE  
**Hymenoclea salsola**

Country: United States                      **Ecoregion:** 81, Sonoran Basin and Range  
 State: Arizona                                      **County:** Maricopa  
 City/Town/Park: Tonto National Forest                      **Geographic Area:**  
**Location Details:** Tonto National Forest. North Power Road. 5 miles northeast of junction with  
 202 Red Mountain freeway. Collection made on south side of road.  
**Lat. (dg/min/sec):** 33° 31' 36.6" N    **Long. (dg/min/sec):** 111° 39' 29.3" W  
**GPS:** NAD83

**Landowner Details (Permission):** USFS  
**Altitude:** 1496 FT

**Associated Species:** *Olneya tesota, Larrea tridentata, Carnegiea gigantea, Cylindropuntia  
 acanthocarpa, Parkinsonia microphylla, Simmondsia chinensis, Ambrosia deltoidea, Krameria  
 erecta*

**Habitat:** Sonoran Desert Scrub

**Modifying Factors:** None

**Land Form:** Alluvial flat

**Aspect:** All

**Land Use:** Recreation

**Slope:** 0°

**Geology:** Granitic

**Soil:** Silt, Sand. 7.5YR 5/3, brown

**No. of Plants Sampled and Misc.:** 50 plants sampled.

**No. of Plants Found:** ca 200

**Area Sampled:** 1 MI

**Seeds Collected From:** seed - many individuals, plant

**Description:** Plant height: 3 feet.

**Common Name(s):** burrobush

*shrub*

**Photograph (to be send electronically to SOS National Office) file name:** HYSA-AZ930-280-  
 A, HYSA-AZ930-280-B, HYSA-AZ930-280-C

**Identification**

Johnson, J. -DES, In herbarium. April 24, 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

- 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:

*Rec 5/12/09*

*new year 6/1/09*

*2 groc*

*2.738  
- .302 baop*

*2.436*

SOS-AZ930-280

HYSA-SOS-AZ930-280-TONTO-09

Hymenoclea salsola

burrobush

BLMS

2.43 P

# Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	3-5-10
OSU Sample Taken	# of pounds	
	-66g	AC
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU	
100 Seed X-ray	85%
Moisture Content	5.7%
Seed Count	140400
REMARKS	
ENTERED	
GERM <u>    </u> TZ <u>OSU</u> Strat Time: NC <u>    </u> 4C <u>    </u> 8C <u>    </u> 13C <u>    </u>	
PURITY <u>99</u> or NOXIOUS WEED only <u>    </u>	

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.
								26.6	5.7

X-Ray Results
85 % 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	<b>TOTAL (Impurities + Clean Seeds)</b> _____ 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).	
.322 .323	Difference between max & Min wt. _____ 10% of average _____
TOTAL of ALL Reps: _____	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
Average: _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = $3.23 = 1000 \text{ seed wt.}$
	Seeds per Pound = <u>140,400</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	
<b>TOTAL Wt.</b>			-448

beg bal .448  
WRPIS - .086 19,000  
New bal .362

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

DATE	Start	Stop	Process	Initials
3-5-10	1305		226-test	AC
		1340	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 \_\_\_\_\_