

SEEDS



OF SUCCESS

MSB Serial Number: \_\_\_\_\_

NCRS PLANTS Code: NIAT

Storage Facility: Bend

Date Collected: 28 MAY 2009

Seed Collection Reference Number: AZ930-286

Collector(s): King, M., Blackwell, S.

SOLANACEAE

*Nicotiana attenuata*

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: Located in wash near 6 mile marker along Seven Springs Road (Road 24).

Lat. (dg/min/sec): 33° 54' 14.2" N Long. (dg/min/sec): 111° 49' 07.9" W

GPS: NAD83

Landowner Details (Permission): USFS

Altitude: 3290 FT

Associated Species: *Opuntia engelmannii*, *Penstemon pseudospectabilis*, *Glandularia gooddingii*, *Platanus wrightii*, *Salix spp.*, *Nicotiana glauca*, *Populus fremontii*, *Juniperus coahuilensis*, *Sphaeralcea ambigua*

Habitat: Interior Chaparral

Modifying Factors: None

Land Form: Wash

Aspect: All

Land Use: Recreation

Slope: 0°

Geology: Basalt

Soil: 2.5Y 5/3 light olive brown, dry. Clay, Silt, Sand.

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

No. of Plants Found: ca 150

Area Sampled: 3 A

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 2-3 feet

Common Name(s): coyote tobacco

Photograph (to be send electronically to SOS National Office) file name: NIAT-AZ930-286-A, NIAT-AZ930-286-B, NIAT-AZ930-286-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

- 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:

120  
1 envelope

SOS-AZ930-286

NIAT-SOS-AZ930-286-7SPRINGSRD-09  
 Nicotiana attenuata  
 desert tobacco/coyote tobacco  
 BLMS .12 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	3-8-10
OSU Sample Taken	# of pounds	AC
	.015g	
Sample Sent	(Y/N)	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	85% + cut	 <b>ENTERED</b>
Moisture Content	6.1%	
Seed Count	9,072,000	
GERM <u>    </u> TZ <u>OSU</u> Strat Time: NC <u>    </u> 4C <u>    </u> 8C <u>    </u> 13C <u>    </u>		
PURITY <u>96%</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.
								28.9	6.1

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: <u>.001</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.026</u> gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>.027</u> gms
• Inerts <u>.001</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{96} \%$
• 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).	
<u>.005</u> <u>.005</u> _____	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 = <u>.05</u> = 1000 seed wt.
	Seeds per Pound = <u>9,072,000</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>			<u>.039</u>

beg bal .039  
 WRPIS .002# ~10,000+  
 New bal .037

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

DATE	Start	Stop	Process	Initials
3-8-10	1415		226-test	AC
		1955	2270-pkg	AC

	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook  Computer NMIS