



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

NCRS PLANTS Code: MESC

Storage Facility: Bend

Date Collected: 30 JUN 2009

Seed Collection Reference Number: AZ930-289

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

OLEACEAE

*Menodora scabra*

Country: United States

Ecoregion: 23, Arizona/New Mexico Mountains

State: Arizona

County: Yavapai

City/Town/Park: Agua Fria National Monument

Geographic Area:

Location Details: 0.1 miles along FS 9014 from junction with Bloody Basin Rd.

Lat. (dg/min/sec): 34° 13' 32.1" N Long. (dg/min/sec): 111° 59' 26.8" W

GPS: NAD83

Landowner Details (Permission): BLM

Altitude: 3800 FT

Associated Species: *Acacia greggii*, *Mimosa aculeaticarpa* var. *biuncifera*, *Pleuraphis mutica*, *Gutierrezia sarothrae*, *Sphaeralcea* spp., *Opuntia* spp.

Habitat: Semi-desert grassland

Modifying Factors: None

Land Form: Hills

Aspect: All

Land Use: Multiple

Slope: 0-5°

Geology: Basalt

Soil: Clay, Silt. 10YR 5/2, greyish brown, dry

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

No. of Plants Found: ca 500

Area Sampled: 1 A

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 1-2 feet

Common Name(s): rough menodora

Photograph (to be send electronically to SOS National Office) file name: MESC-AZ930-289-A, MESC-AZ930-289-B, MESC-AZ930-289-C

**Identification**

King, M. - DES, In field, 30 Jun 09

**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 7/31/09

1 groc

0.94  
- .150

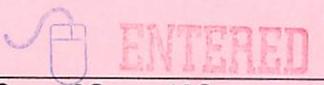
0.661

# Seed Test/Packaging Record

**SOS-AZ930-289**

MESC-SOS-AZ930-289-09  
Menodora scabra  
rough medodora  
BLMS .66 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	3-5-10
OSU Sample Taken	# of pounds	AC
	1.15g	
Sample Sent	Y/N	
	(Y)N	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	96%	
Moisture Content	5.1%	
Seed Count	79,800	
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.
								23.6	5.1

X-Ray Results
96 % Filled
Results from 100 Seed X-Ray

PURITY (Use OSU sample chart to determine wt. of sample)	
Wt. of Sample: <u>1</u> gms	Wt. of All Impurities: <u>.014</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>1.133</u> gms
• Crops <u>—</u> gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>1.147</u> gms
• Inerts <u>—</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{99} \%$
• Weeds <u>—</u> gms	
• Noxious <u>—</u> 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>.555</u> <u>.578</u>	Difference between max & Min wt. <u>—</u> 10% of average <u>—</u>
TOTAL of ALL Reps: <u>—</u>	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
Average: <u>—</u>	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = <u>5.68</u> = 1000 seed wt.
	Seeds per Pound = <u>79,800</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>.553</u>

bag bal .553  
WRPIS -.133 # 10,000  
New bal .420

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

DATE	Start	Stop	Process	Initials
3-5-10	1335		226-test	AC
		1410	2270-pkg	AC

ID card file sample  
Inventory Card Completed

POSTED TO: Lot Completion Logbook  Computer NMIS