

SEEDS



OF SUCCESS

MSB Serial Number: _____

NCRS PLANTS Code: AMDE4

Storage Facility: Bend

Date Collected: 23 APR 2009

Seed Collection Reference Number: AZ930-279

Collector(s): Johnson, J., King, M.

ASTERACEAE

Ambrosia deltoidea

Country: United States

Ecoregion: 81, Sonoran Basin and Range

State: Arizona

County: Maricopa

City/Town/Park: West of Wintersburg

Geographic Area: Saddle Mountain

Location Details: 2 miles north of pipeline road gate, bajada area near Saddle Mountain.

Lat. (dg/min/sec): 33° 24' 08.5" N Long. (dg/min/sec): 113° 03' 01.7" W

GPS: NAD83

Landowner Details (Permission): BLM

Altitude: 1265 FT

Associated Species: *Larrea tridentata*, *Carnegia gigantea*, *Fouquieria splendens*, *Krameria spp.*, *Olneya tesota*, *Parkinsonia microphylla*, *Encelia farinosa*, *Vulpia octoflora*

Habitat: Sonoran Desert Scrub

Modifying Factors: None

Land Form: Bajada

Aspect: All

Land Use: Multiple

Slope: 0°

Geology: Volcanic and Sedimentary

Soil: Gravelly loam. 2.5Y 7/3, pale yellow, dry

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

No. of Plants Found: ca 250

Area Sampled: 1 MI

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 2-3 feet.

Common Name(s): triangle bur ragweed

Photograph (to be send electronically to SOS National Office) file name: AMDE4-AZ930-279-A, AMDE4-AZ930-279-B, AMDE4-AZ930-279-C

Identification

Johnson, J. -DES, In field. April 23, 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:

5/12/09

lgwz

1,227
151 ptg wt

1,076

Seed Test/Packaging Record

SOS-AZ930-279

AMDE4-SOS-AZ930-279-SADDLEMTN-09
 Ambrosia deltoidea
 triangle burr ragweed
 BLMS 1.07 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	3-9-10
OSU Sample Taken	# of pounds	AC
	2.9g	
Sample Sent	(Y) N	

Test Results: Both in-house and/or OSU

100 Seed X-ray	<u>~55%</u>	REMARKS Hard to tell fill % several chambers in a seed. some obvious insect damage. Jim agreed to send this on.
Moisture Content	<u>4.5%</u>	
Seed Count	<u>39,000</u>	
GERM	<u>—</u> TZ <u>OSU</u> Strat Time: NC <u>4C</u> <u>8C</u> <u>13C</u>	
PURITY	<u>~98</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.
								19.4	4.5

X-Ray Results

~55 % 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>.044</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>2.24</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>2.284</u> gms
• Inerts <u>.044</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{\sim 98} \%$
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

1.256 1.043 _____

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 = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)

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

2 x Total of 5 reps = $\frac{11.5}{2} = 1000 \text{ seed wt.}$

Seeds per Pound = 39,000

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>.111</u>

beg bal .111
 WRPIS - ALL ~2,300
 New bal 0

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
<u>3-9-10</u>	<u>0825</u>		226-test	<u>AC</u>
		<u>0910</u>	2270-pkg	<u>AC</u>

	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____