

SEEDS



OF SUCCESS

MSB Serial Number: _____

NCRS PLANTS Code: HEVIF

Storage Facility: Bend

Date Collected: 13 OCT 2007

Seed Collection Reference Number: AZ930-228

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

ASTERACEAE

Heterotheca villosa var. *foliosa*code
HEVIF

common

hairy false goldenaster

rec. 10/29/07

1 groc bag

-201

-356

-155

-201#

Country: United States

Ecoregion: 22, Apache Highlands

State: Arizona

County: Navajo

City/Town/Park: Sitgreaves National Forest

Geographic Area:

Location Details: Sitgreaves National Forest. Forest Service Road 130. 1.5 miles south of junction with Forest Service Road 131.

Lat. (dg/min/sec): 34° 14' 21.6" N Long. (dg/min/sec): 110° 15' 33.9" W

GPS: NAD83

Landowner Details (Permission): USFS (yes)

Altitude: 6721 FT

Associated Species: *Pinus ponderosa*, *Juniperus* sp., *Quercus gambelii*, *Calliandra humilis*, *Lotus wrightii*, *Eriogonum racemosum*, *Achillea millefolium*, *Erigeron divergens*, *Arctostaphylos pungens*

Habitat: Petran Montane Conifer Forest,

Modifying Factors: Grazed, Burned

Land Form: Plateau

Aspect: All

Land Use: Recreation

Slope: 0°

Geology: Sedimentary Rock

Soil: Tan, Silt

No. of Plants Sampled and Misc.: 300 plants sampled

No. of Plants Found: ca 1000

Area Sampled: 1 MI

Seeds Collected From: seed - many individuals,

Description: Height: 1 - 1.5 FT

Common Name(s): hairy false goldenaster

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

Identification

Johnson, J. - DES, In herbarium, 10 Oct 2007

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:

Seed Test/Packaging Record

SOSAZ-93007-23

HEVIF-SOSAZ-930-0228-07
 Heterotheca villosa
 hairy false goldenaster
 BLMS .2 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	4-2-08 AC
OSU Sample Taken	# of pounds	
	1/2 lb	
Sample Sent	Y/N	
	Y	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	84	ENTERED
Moisture Content		
Seed Count	509,000	
GERM	—	TZ OSU Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	96	or NOXIOUS WEED only —

MOISTURE CONTENT (use one of two methods below)

Dole Meter			**Moisture Analyzer**		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.

X-Ray Results

84 % 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>.008</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.179</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>.187</u> gms
• Inerts <u>.008</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>96</u> %
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.090 .089 _____

 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 = $\frac{453600}{1000}$ (453.6 grams = 1 pound)

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

2 x Total of 5 reps = .90 = 1000 seed wt.

Seeds per Pound = 509,000

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.014</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>.014</u>

Transaction Fee: _____

Seedbank Location _____

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
<u>4-2-08</u>	<u>1140</u>		226-test	<u>AK</u>
		<u>1205</u>	2270-pkg	<u>AC</u>

<u>got it</u>	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ Computer NMIS _____