

SEEDS



OF SUCCESS

MSB Serial Number:                       
 NCRS PLANTS Code: OEFL  
 Storage Facility: Bend  
 Date Collected: 10 JULY 2008  
 Seed Collection Reference Number: AZ930-258  
 Collector(s): Johnson, J., King, M., Haberkorn, M.  
 ONAGRACEAE  
Oenothera flava

Country: United States                      Ecoregion: 23, Sonoran Desert  
 State: Arizona                                      County: Yavapai  
 City/Town/Park: Agua Fria National Monument                      Geographic Area: Perry Mesa  
 Location Details: Agua Fria National Monument. Perry Mesa, Near Pueblo La Plata. BLM  
 Route 9023, 1.3 miles north of junction with Bloody Basin Road.  
 Lat. (dg/min/sec): 34° 15' 3.0" N      Long. (dg/min/sec): 112° 01' 39.66" W  
 GPS: NAD83

Landowner Details (Permission): BLM  
 Altitude: 3710 FT

Associated Species: *Prosopis velutina*, *Acacia greggii*, *Mahonia haematocarpa*, *Hordeum pusillum*, *Pleuraphis mutica*, *Heliomeris longifloia* var. *annua*.

Habitat: Semidesert Grassland

Modifying Factors: None

Land Form: Mesa

Aspect: All

Land Use: Multiple Use

Slope: 0°

Geology: Basalt

Soil: 5YR 5/2 Pale Brown, silt>>clay

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

No. of Plants Found: 200

Area Sampled: 2 A

Seeds Collected From: seed - many individuals, plant

Description: Height: 4 inches

Common Name(s): yellow evening primrose

0.878  
 .151  
 0.727

Rec 7/15/08  
 1gmc  
 0.725#

Photograph (to be send electronically to SOS National Office) file name: OEFL -AZ930-258-A, OEFL -AZ930-258-B, OEFL -AZ930-258C

**Identification**

Johnson, J. - DES, In herbarium, July 2, 2008

**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:

SOSAZ-93008-20

OEFL-SOSAZ-930-258-08  
Oenothera flava  
yellow evening primrose  
BLMS .725 P

### Seed Test/Packaging Record

#### PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	1	1-20-09
OSU Sample Taken	# of pounds	AC
	.29g	
Sample Sent	Y/N	

#### Test Results: Both in-house and/or OSU

100 Seed X-ray	98 %	REMARKS ENTERED
Moisture Content	4.8%	
Seed Count	315,000	
GERM	TZ OSU	Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	96%	or NOXIOUS WEED only ___

#### 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.
						—	72°	22%	4.8

#### X-Ray Results

98 % 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>.11</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>2.87</u> gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>2.98</u> gms
• Inerts <u>.11</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

Weight to three decimal places, when possible	** NOTE: If difference between max and min is less than 10% of the average samples, data is acceptable
Wt. of 5 reps of 100 seeds each (in grams).	
<u>.143</u> <u>.144</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 = $\frac{1.44}{2} = 1000 \text{ seed wt.}$
	Seeds per Pound = <u>35,000</u>

#### FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.091</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			<u>.091</u>

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

DATE	Start	Stop	Process	Initials
1-20-09	1120		226-test	AC
		1200	2270-pkg	AC

ID card file sample
Inventory card completed

POSTED TO: Lot Completion Logbook  Computer NMIS \_\_\_\_\_