SOSAZ 93007-24

SEEDS OF SUCCESS

MSB Serial Number: _____
NCRS PLANTS Code: HELOA2
Storage Facility: Bend
Date Collected: 06 NOV 2007
Seed Collection Reference Number: AZ930-231
Collector(s): Johnson, J., Gray, M.
ASTERACEAE
Heliomeris longifolia var. annua

Rec. 11/13/07
1 grocery bag
.275#

.430
.155
.275

Country: United States **Ecoregion:** 23, Sonoran Desert
State: Arizona **County:** Yavapai
City/Town/Park: Agua Fria National Monument **Geographic Area:** Black Mesa
Location Details: Agua Fria National Monument. Black Mesa. BLM Route 9006. 0.5 miles east of junction with BLM Route 9005.
Lat. (dg/min/sec): 34° 12' 18.4" N **Long. (dg/min/sec):** 112° 6'32.0" W
GPS: NAD83
Landowner Details (Permission): BLM (yes)
Altitude: 3483 FT
Associated Species: *Opuntia engelmannii,Acacia greggii,Pleuraphis mutica,Ambrosia confertiflora,Plantago rhodosperma,Chamaesyce capitellata,Hordeum pusillum*
Habitat: Semi-desert Grassland,
Modifying Factors: Burned
Land Form: Mesa **Aspect:** All
Land Use: Multiple Use **Slope:** 0°
Geology: Igneous basalt
Soil: Tan, Silt and Clay
No. of Plants Sampled and Misc.: 100 plants sampled
No. of Plants Found: 2000
Area Sampled: 1 A
Seeds Collected From: seed - many individuals, plant
Description: Height: 1-2'
Common Name(s): longleaf false goldeneye
Photograph (to be send electronically to SOS National Office) file name: HELOA2-AZ930-231-A,HELOA2-AZ930-231-B,HELOA2-AZ930-231-C
Identification
Johnson, J. - DES, In herbarium, October, 19, 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

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:

Seed Test/Packaging Record

SOSAZ-93007-24

HELOA2-SOSAZ-930-0231-07
Heliomeris longifolia
longleaf false goldeneye
BLMS .275 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	1	4/16/08
OSU Sample Taken	# of pounds 0.075 g	
Sample Sent	(Y) / N	TZ

Test Results: Both in-house and/or OSU

100 Seed X-ray 91%
Moisture Content —
Seed Count 1,334,117

REMARKS ENTERED

GERM ____ TZ OSU Strat Time: NC___ 4C ___ 8C ___ 13C___

PURITY 99.5 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

91% % Filled 99/99

Results from 99 Seed X-Ray

PURITY (Use OSU sample chart to determine wt. of sample)

Wt. of Sample: _____ gms
Wt of Impurities:
- Crops _____ gms
- Inerts 0.004 gms
- Weeds _____ gms
- Noxious _____ gms

.687 clean seed
+ .068
.755

Wt. of All Impurities: 0.004 gms
Wt. of Clean Seed 0.755 gms
TOTAL (Impurities + Clean Seeds) 0.759 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 99.5 %

stems chaff

SEEDS PER POUND

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

0.035 0.033 _____
_____ _____
TOTAL of ALL Reps: 0.170
Average: 0.034

** 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 = 453600 / 1000 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 = 0.340 = 1000 seed wt.
Seeds per Pound = 1,334,117

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.090	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	

ENTERED

Transaction Fee: _____

Seedbank Location

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

Training mode

DATE	Start	Stop	Process	Initials
4/16/07	0840	0950	226-test	LAD
	0950	1000	2270-pkg	

done 4/16 ID card file sample
Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____