

SEEDS



OF SUCCESS

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

NCRS PLANTS Code: \_\_\_\_\_

Storage Facility: Bend

Date Collected: 14 SEP 2009

Seed Collection Reference Number: NV030-283

Collector(s): McCoy-Sulentis, M., Mausert-Mooney, C., Robinson, A., Koski, M.

ASTERACEAE

*Helianthus annuus*

Country: United States

Ecoregion: 11, Great Basin

State: Nevada

County: Churchill

City/Town/Park: #

Geographic Area: Dixie Valley

Location Details: Take Highway 50 east from Fallon past Sand Mountain. Turn left onto Dixie Valley road and travel 37 miles to hot springs on the right side of the road.

Lat. (dg/min/sec): 39° 47' 46" N Long. (dg/min/sec): 118° 04' 12.9" W

GPS: NAD83

Landowner Details (Permission): BLM

Altitude: 3363 M

Associated Species: *Apocynum cannabinum*, *Phragmites australis*, *Castilleja sp.*, *Atriplex torreyi*, *Tamarix sp.*, *Salsola kali*, *Populus fremontii*, *Salix sp.*, *Asclepias syriaca*, *Sarcobatus vermiculatus*, *Eriogonum umbellatum*

Habitat: Valley, #

Modifying Factors: None

Land Form: Salt Flat

Aspect: E, 86

Land Use: Recreation, Grazing

Slope: 1°

Geology: Alluvium and Mass Wasting

Soil: Alkaline Clay, 10YR 8/3; 5/4 moist

No. of Plants Sampled and Misc.: 1500 plants sampled

No. of Plants Found: > 10000

Area Sampled: 5 A

Seeds Collected From: seed - many individuals, plant

Description: Height: 2-6

Common Name(s): Common Sunflower

Photograph (to be sent electronically to SOS National Office) file name:

HEAN3-NV030-283-A, HEAN3-NV030-283-B, HEAN3-NV030-283-C

**Identification**

Tonenna, D. -BLM, In Field, 9-5-09

**Herbarium Vouchers**

Does the pressed specimen have the same reference as the seed collection? Yes No

No. of Herbarium Vouchers: 4 Vouchers Taken

- 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 \_\_\_\_\_ herbarium that has agreed to arrange labeling, verification and distribution.

DAMP!! musty smell!  
 Rec 9/16/09  
 7 gre bags  
 put in 4 trays  
 4 tags

PRIORITY

SOS-NV030-283

HEAN9-SOS-NV030-283-09  
Helianthus annuus  
common sunflower  
BLMS 29.23 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	12-21-2009
OSU Sample Taken	# of pounds	AC
	1.3g	
Sample Sent	YN	

Test Results: Both in-house and/or OSU

100 Seed X-ray	97%	REMARKS  ENTERED
Moisture Content	6.2%	
Seed Count	73,900	
GERM	TZ OSU	Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	99%	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.
							69°	30.8	6.2

X-Ray Results

97 % 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: .02 gms
Wt of Impurities:	Wt. of Clean Seed 7.71 gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds) 7.73 gms</b>
• Inerts .02 gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = 99\%$
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.633 .621 .613

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 = 6.22 = 1000 seed wt.  
Seeds per Pound = 73900

FINAL PACKAGING for Seed Storage/Transfer

Bag # 1	Bag Wt. 4.125	Bag #	Bag Wt.
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			4.125

beg bal- 4.125 #  
WRPIS 10,000 -144 #  
NEW Bal- 3.981

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
12-21-09	0900		226-test	AC
		0945	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

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