

SEEDS



OF SUCCESS

MSB Serial Number: _____
 NCRS PLANTS Code: AGCH2
 Storage Facility: Bend
 Date Collected: 25 SEP 2009
 Seed Collection Reference Number: AZ930-293
 Collector(s): King, M., Haberkorn, M.
 AGAVACEAE
Agave chrysantha

Country: United States **Ecoregion:** 23, Arizona/New Mexico Mountains
 State: Arizona **County:** Yavapai
 City/Town/Park: Tonto National Forest **Geographic Area:**
 Location Details: Bloody Basin Road, about 16 miles east of junction with I-17.
 Lat. (dg/min/sec): 34° 12' 36.7" N **Long. (dg/min/sec):** 111° 55'29.8" W
 Altitude: 4660 FT **GPS:** NAD83
 Landowner Details: USFS **Land Use:** Recreation

Habitat: Oak-Juniper Grassland
Associated Species: *Quercus turbinella*, *Juniperus coahuilensis*, *Opuntia spp.*, *Nolina microcarpa*, *Machaeranthera sp.*, *Mimosa aculeaticarpa var. biuncifera*, *Gutierrezia sarothrae*

Modifying Factors: None
Land Form: Hills **Geology:** Basalt
Aspect: S **Slope:** 23°
Soil: 10YR 4/3, dark greyish brown, dry. Silt, sand.

No. of Plants Sampled and Misc.: 50 plants sampled
No. of Plants Found: ca 150
Area Sampled: 3 A

Seeds Collected From: seed - many individuals, plant
Description: Basal height: 1 foot. With inflorescence: 10 - 20 ft.
Common Name(s): goldenflower century plant

Photograph (to be sent electronically to SOS National Office) file name: AGCH2-AZ930-293-A, AGCH2-AZ930-293-B, AGCH2-AZ930-293-C

Identification
 King, M. -DES, In Field. July, 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:

Seed Test/Packaging Record

SOS-AZ930-293

AGCH2-SOS-AZ930-293-09
 Agave chrysantha
 golden flower century plant
 BLMS 4.355 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	2-25-10
OSU Sample Taken	# of pounds	AC
	1.5g	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	95%	 ENTERED
Moisture Content	6.5%	
Seed Count	66,300	
GERM ___ TZ <u>OSU</u> Strat Time: NC ___ 4C ___ 8C ___ 13C ___		
PURITY <u>97.6</u> 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.
						—		28.0	6.0

X-Ray Results
95 % Filled
Results from 100 Seed X-Ray

PURITY (Use OSU sample chart to determine wt. of sample)	
Wt. of Sample: _____ gms Wt of Impurities: • Crops _____ gms • Inerts <u>0.099</u> gms • Weeds _____ gms • Noxious _____ gms	Wt. of All Impurities: <u>0.099</u> gms Wt. of Clean Seed <u>4.098</u> gms TOTAL (Impurities + Clean Seeds) <u>4.197</u> gms Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \frac{4.098}{4.197} \times 100 = \underline{97.6} \%$

SEEDS PER POUND	** NOTE: If difference between max and min is less than 10% of the average samples, data is acceptable
Weight to three decimal places, when possible Wt. of 5 reps of 100 seeds each (in grams). <u>0.711</u> <u>0.655</u> <u>0.684</u> TOTAL of ALL Reps: _____ Average: _____	Difference between max & Min wt. _____ 10% of average _____ NOTE: Seeds/Pound = $\frac{453600}{453.6 \text{ grams} = 1 \text{ pound}} \times \frac{6.84}{1000 \text{ seed wt.}}$ To calculate M seed wt, take Total of 5 samples times 2. 2 x Total of 5 reps = $2 \times 6.84 = 13.68$ = 1000 seed wt. Seeds per Pound = $\frac{13.68}{0.02} = \underline{66,300}$

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>0.937</u>

beg bal 0.937
 WRPIS - 0.166 # 10,000
 New bal = 0.771

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

DATE	Start	Stop	Process	Initials
2-25-10	1105		226-test	AC
		1150	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS _____