

SEEDS



OF SUCCESS

MSB Serial Number: _____
 NCRS PLANTS Code: FEWI
 Storage Facility: Bend
 Date Collected: 23 AUG 2008
 Seed Collection Reference Number: AZ930-262
 Collector(s): Johnson, J.
 CACTACEAE
Ferocactus wislizeni *Wislizeni*

Country: United States Ecoregion: 23, Sonoran Desert
 State: Arizona County: Maricopa
 City/Town/Park: Geographic Area: Sierra Estrella

Location Details: State Route 238, 13.4 miles east of junction with State Route 347, turn north on 99th Avenue. Travel north for 3.6 miles, then turn east, follow road for 6.9 miles, turn east, follow road for 1.1 miles.

Lat. (dg/min/sec): 33° 11' 47.6" N **Long. (dg/min/sec):** 112° 14' 43.9" W

GPS: NAD83

Landowner Details (Permission): BLM (yes)

Altitude: 1510 FT

Associated Species: *Prosopis velutina, Parkinsonia microphylla, Olneya tesota, Ambrosia deltoidea, Ambrosia dumosa, Carnegiea gigantea, Cylindropuntia acanthocarpa, Echinocereus engelmannii, Larrea tridentata, Fouquieria splendens.*

Habitat: Sonoran Desertscrub, Lower Colorado River Subdivision

Modifying Factors: None

Land Form: Ambrosia flat

Aspect: All

Land Use: Multiple Use

Slope: 0-5°

Geology: Decomposed granite

Soil: 10YR6/4

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

No. of Plants Found: ca. 250

Area Sampled: 0.5 MI

Seeds Collected From: seed - many individuals, plant

Description: Height: 2-3 Feet

Common Name(s): candy barrelcactus

Photograph (to be send electronically to SOS National Office) file name: FEWI-AZ930-262-A, FEWI -AZ930-262-B, FEWI -AZ930-262-C

Identification

Johnson, J. - DES, In field, June 17, 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:

SOSAZ-93008-22

FEWI-SOSAZ-930-262-08
Ferocactus wislizeni
candy barrelcactus
BLMS 3.9 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	2/24/09
OSU Sample Taken	# of pounds	AC
	.516g	
Sample Sent	Y/N	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	96%	ENTERED
Moisture Content	7.0%	
Seed Count	177,100	
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.
							71°	35.8	7.0

X-Ray Results
96 % 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: _____ gms
Wt of Impurities: _____ gms	Wt. of Clean Seed _____ gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) _____ gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{\sim 99} \%$
• Weeds _____ gms	
• Noxious _____ gms	

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).	Difference between max & Min wt. _____ 10% of average _____
.254 .257	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
TOTAL of ALL Reps: _____	To calculate M seed wt, take Total of 5 samples times 2.
Average: _____	2 x Total of 5 reps = $\frac{2.56}{2} = 1000 \text{ seed wt.}$
	Seeds per Pound = $\frac{177,100}{1} = 177,100$

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.336		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			.336

+ .060 # to PPMC ~ 10,000 PLS

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

DATE	Start	Stop	Process	Initials
2/24/09	1240		226-test	AC
		1320	2270-pkg	AC

get it	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS