



MSB Serial Number: _____
 NCRS PLANTS Code: ENFA
 Storage Facility: Bend
 Date Collected: 24 APR 2009
 Seed Collection Reference Number: AZ930-281
 Collector(s): Johnson, J., King, M.
 ASTERACEAE
Encelia farinosa

Country: United States Ecoregion: 81, Sonoran Basin and Range
 State: Arizona County: Maricopa
 City/Town/Park: Tonto National Forest Geographic Area:
 Location Details: Tonto National Forest. North Power Road. 5 miles northeast of junction with
 202 Red Mountain freeway. Collection made on south side of road.
 Lat. (dg/min/sec): 33° 31' 28.1" N Long. (dg/min/sec): 111° 39' 14.3" W
 GPS: NAD83

Landowner Details (Permission): USFS
 Altitude: 1496 FT

Rec 5/12/09
 new year
 6/1/09

Associated Species: *Olneya tesota, Larrea tridentata, Carnegiea gigantea, Cyllindropuntia
 acanthocarpa, Parkinsonia microphylla, Simmondsia chinensis, Ambrosia deltoidea, Krameria
 erecta*

Habitat: Sonoran Desert Scrub

Modifying Factors: None

Land Form: Alluvial flat

Aspect: All

Land Use: Recreation

Slope: 0°

lgroz

Geology: Granitic

Soil: Silt, Sand. 7.5YR 5/3, brown, dry

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

No. of Plants Found: ca 250

Area Sampled: 1 MI

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 2-3 feet.

Common Name(s): brittlebush, check USDA (golden hills)

Photograph (to be send electronically to SOS National Office) file name: ENFA-AZ930-281-A, ENFA-AZ930-281-B, ENFA-AZ930-281-C

Identification

Johnson, J. -DES, In field. April 4, 2009

Herbarium Vouchers

Does the pressed specimen have the same reference as the seed collection? Yes

X.8009
 - .151 bag
 , 858

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-AZ930-281

ENFA-SOS-AZ930-281-TONTO-09

Encelia farinosa

brittlebush

BLMS

.86 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	3-8-10
OSU Sample Taken	# of pounds	
	.269	AC
Sample Sent	(Y/N)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	94%	
Moisture Content	6.0	
Seed Count	351,600	
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.
								28.2	6.0

X-Ray Results

94 % 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 _____ gms
• Weeds _____ gms
• Noxious _____ gms

Wt. of All Impurities: _____ gms
Wt. of Clean Seed _____ gms
TOTAL (Impurities + Clean Seeds) _____ gms
Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \sim 99\%$

SEEDS PER POUND

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

.127 .131 _____
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 = $\frac{453600}{1000}$ (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 1.29×1000 = 1000 seed wt.
Seeds per Pound = 351,600

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.			-149

beg bal -149
WRPIS - .031[#] 10,000
New bal -118

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3-8-10	1250		226-test	AC
		1330	2270-pkg	AC

	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____