



MSB Serial Number:
NCRS PLANTS Code: CHST
Storage Facility: Bend
Date Collected: 14 APR 2008
Seed Collection Reference Number: AZ930-239
Collector(s): Johnson, J., Gray, M.
ASTERACEAE
Chaenactis stevioides Hook. & Arn.

Country: United States Ecoregion: 23, Sonoran Desert
State: Arizona County: Maricopa
City/Town/Park: Geographic Area: Little Rainbow Valley
Location Details: Little Rainbow Valley. BLM Route 8006, 2.6 miles south of junction with BLM Route 8001.
Lat. (dg/min/sec): 33°06'11.8" N Long. (dg/min/sec): 112°38'04.3" W
GPS: NAD83

Landowner Details (Permission): BLM (yes)
Altitude: 875 FT

Associated Species: *Olneya tesota*, *Parkinsonia microphylla*, *Carnegia gigantea*, *Larrea tridentata*, *Lycium fremontii*, *Chaenactis stevioides*, *Chorizanthe rigida*, *Lepidium lasiocarpum*, *Schismus sp.*

Habitat: Sonoran Desert Scrub,

Modifying Factors: Grazed

Land Form: Hills

Aspect: All

Land Use: Multiple Use

Slope: 0-10°

Geology: Granitic

Soil: Tan, Silt and Sand

No. of Plants Sampled and Misc.: 400 plants sampled.

No. of Plants Found: 2000

Area Sampled: 2 A

Seeds Collected From: seed - many individuals, plant

Description: Yellow flower. Height: 6"

Common Name(s): esteve's pincushion

Photograph (to be send electronically to SOS National Office) file name: CHST-AZ930-239-A, CHST-AZ930-239-B, CHST-AZ930-239-C

Identification

Johnson, J. - DES, In field, March, 26, 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

- All herbarium duplicates will be sent to Kew to arrange labeling, verification and distribution (default).
- One duplicate will be sent to _____ herbarium for verification, other duplicates will be sent by the collector to Kew to arrange labeling and distribution.
- 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:

need ID

Rec
4/22/08
1 envelope
0.280#

SOSAZ-93008-04

CHST-SOSAZ-930-239-08
Chaenactis stevioides
Esteve's pincushion
BLMS .28 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	1	1-20-09
OSU Sample Taken	# of pounds	AC
	.089g	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	91%	ENTERED
Moisture Content	5.4%	
Seed Count	1,030,800	
GERM	TZ OSU	Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	92%	or NOXIOUS WEED only ___

MOISTURE CONTENT (use one of two methods below)

Dole Meter

Moisture Analyzer Hygro

Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.
			72°	25.0'	5.4

X-Ray Results

91% 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: .035 gms

Wt. of Clean Seed .445 gms

TOTAL (Impurities + Clean Seeds) .48 gms

Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = 92\%$

SEEDS PER POUND

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

.044 .044

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 = $\frac{.44}{1000}$ = 1000 seed wt.

Seeds per Pound = $\frac{1,030,800}{1}$

* .012# to PPMC ~10,000 PLS

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.052		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			.052

Transaction Fee: _____

Seedbank Location

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
1-20-09	1340		226-test	AC
		1425	2270-pkg	AC

ID card file sample
inv card Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____