

SEEDS



OF SUCCESS

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

NCRS PLANTS Code: STPA4

Storage Facility: Bend

Date Collected: 28 MAY 2009

Seed Collection Reference Number: AZ930-287

Collector(s): King, M., Blackwell, S.

ASTERACEAE

*Stephanomeria pauciflora*

Country: United States

Ecoregion: 23, Arizona/New Mexico Mountains

State: Arizona

County: Maricopa

City/Town/Park: Tonto National Forest

Geographic Area: Seven Springs Recreation Area

Location Details: Seven Springs Recreation Area. Bronco Trail (Trail 245) about 0.6 miles from trailhead.

Lat. (dg/min/sec): 33° 55' 40.2" N Long. (dg/min/sec): 111° 49' 19.9" W

GPS: NAD83

Landowner Details (Permission): USFS

Altitude: 3960 FT

Associated Species: *Sphaeralcea ambigua*, *Menodora scabra*, *Rhus ovata*, *Opuntia* spp., *Acacia greggii*, *Mimosa aculeaticarpa* var. *biuncifera*, *Agave* sp., *Krameria erecta*

Habitat: Interior Chaparral

Modifying Factors: None

Land Form: Hills

Aspect: All

Land Use: Recreation

Slope: 0-5°

Geology: Basalt

Soil: 7.5YR 5/2 brown, dry. Clay, silt.

No. of Plants Sampled and Misc.: 200 plants sampled

No. of Plants Found: ca 200

Area Sampled: 3 A

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 2-3 feet

Common Name(s): brownplume wirelettuce

Photograph (to be send electronically to SOS National Office) file name: STPA4-AZ930-287-A, STPA4-AZ930-287-B, STPA4-AZ930-287-C

**Identification**

King, M. -DES, In Field. May 28, 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:

0.070

# Seed Test/Packaging Record

SOS-AZ930-287

STPA4-SOS-AZ930-287-7SPRINGSREC-09  
 Stephanomeria pauciflora  
 brown plume wire lettuce  
 BLMS .07 P

## PRE-PACKAGING CHECKLIST

|                    |             |               |
|--------------------|-------------|---------------|
| Tag Count Complete | # of Tags   | Date/Initials |
|                    | 0           | 3-8-2010      |
| OSU Sample Taken   | # of pounds |               |
|                    | 0           |               |
| Sample Sent        | (N)         |               |

## Test Results: Both in-house and/or OSU

|                  |              |  |
|------------------|--------------|--|
| 100 Seed X-ray   | 59%          | REMARKS Nita - so few seed I decided not to send for a TZ. This lot was a bust until Jim said go ahead with it anyway to Kristal |
| Moisture Content | 100 few seed |  |
| Seed Count       | 589,000      |  |
| GERM             | None         | Strat Time: NC ___ 4C ___ 8C ___ 13C ___   |
| PURITY           | 96%          | or NOXIOUS WEED only <input checked="" type="checkbox"/> ENTERED   |

## 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. |
|                |      |       |                       |           |        |               |          |     |      |

## X-Ray Results

59 % 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: .003 gms  |
| Wt of Impurities:        | Wt. of Clean Seed .077 gms   |
| • Crops _____ gms        | <b>TOTAL (Impurities + Clean Seeds)</b> .08 gms  |
| • Inerts _____ gms       | Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = 96\%$ |
| • Weeds _____ gms        |  |
| • Noxious _____ gms      |  |

## SEEDS PER POUND

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

.077

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 = .77 = 1000 seed wt.

Seeds per Pound = 589,000

## FINAL PACKAGING for Seed Storage/Transfer

| Bag #            | Bag Wt. | Bag #    | Bag Wt. |
|------------------|---------|----------|---------|
| Bag # 1          |         |          |         |
| Bag # 2          |         |          |         |
| Bag # 3          |         |          |         |
| Bag # 4          |         |          |         |
| Bag # 5          |         | Last Bag |         |
| <b>TOTAL Wt.</b> |         |          | .001    |

beg bal -001  
 WRPIS ALL ~300 PLS  
 New bal 0

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

| DATE   | Start | Stop | Process  | Initials |
|--------|-------|------|----------|----------|
| 3-8-10 | 1135  |      | 226-test | AC       |
|        |       | 1200 | 2270-pkg | AC       |

|                                     |                         |
|-------------------------------------|-------------------------|
| <input checked="" type="checkbox"/> | ID card file sample     |
| <input type="checkbox"/>            | Regional Office ID file |

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