

**SEEDS**

OF SUCCESS

**MSB Serial Number:** \_\_\_\_\_  
**NCRS PLANTS Code:** \_\_\_\_\_  
**Storage Facility:** Bend  
**Date Collected:** 23 OCT 2009  
**Seed Collection Reference Number:** NV030-303  
**Collector(s):** A. Robinson, M. Koski, M. McCoy-Silentic  
**ASTERACEAE**

***Euthamia occidentalis***

**Country:** United States                      **Ecoregion:** 11, Great Basin  
**State:** Nevada                                      **County:** Washoe  
**City/Town/Park:** Wadsworth                      **Geographic Area:** Near Truckee River  
**Location Details:** Take James Ranch Road in Hawthorne, NV to the end. Park at residence and request permission. Walk downhill approx. 50 meters to collection site.  
**Lat. (dg/min/sec):** 39° 39' 4.186" N    **Long. (dg/min/sec):** 119° 17' 2.289" W  
**GPS:** NAD83

**Landowner Details (Permission):** Private  
**Altitude:** 4014 FT

**Associated Species:** *Populus fremontii*, *Mentzelia laevicaulis*, *Lepidium sp.*, *Eriogonum nidularium*, *Salix sp.*, *Verbascum thapsis*, *Salsola kali*, *Eriastrum sp.*, *Chrysothamnus viscidiflorus*, *Rumex sp.*, *Lythrum salicaria*, *Artemisia ludoviciana*

**Habitat:** riparian-xeric transition zone

**Modifying Factors:** Flood Plain

**Land Form:** floodplain

**Aspect:** 282

**Land Use:** Private

**Slope:** 1°

**Geology:** #

**Soil:** Sand

**No. of Plants Sampled and Misc.:** 500 plants sampled

**No. of Plants Found:** ca 3000

**Area Sampled:** 2 A

**Seeds Collected From:** seed - many individuals, plant

**Description:** Height 4-6

**Common Name(s):** Western goldentop

**Photograph (to be send electronically to SOS National Office) file name:** #

**Identification**

Tonenna D. - BLM, In Field, 10/23/09

**Herbarium Vouchers**

Does the pressed specimen have the same reference as the seed collection? Yes    No

No. of Herbarium Vouchers: Four Vouchers Taken

- 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 \_\_\_\_\_ herbarium that has agreed to arrange labeling, verification and distribution.

5902  
5.03 #

10/30/09

# Seed Test/Packaging Record

**PRIORITY**

**SOS-NV030-303**

EUOC4-SOS-NV030-303-09  
Euthamia occidentalis  
western goldentop  
BLMS 5.03 P

| PRE-PACKAGING CHECKLIST |             |               |
|-------------------------|-------------|---------------|
| Tag Count Complete      | # of Tags   | Date/Initials |
|                         | 0           | 1-5-10 AC     |
| OSU Sample Taken        | # of pounds |               |
|                         | .02g        |               |
| Sample Sent             | Y/N         |               |
|                         | Y           |               |

| Test Results: Both in-house and/or OSU |           | REMARKS                                  |
|--|-----------|--|
| 100 Seed X-ray                         | 90        | ENTERED                                  |
| Moisture Content                       | 5.81      |  |
| Seed Count                             | 6,480,000 |  |
| GERM                                   | TZ OSU    | Strat Time: NC ___ 4C ___ 8C ___ 13C ___ |
| PURITY                                 | 93        | 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. |
|   |      |       |                       |           |        | —             | 68       | 27  | 5.81 |

| X-Ray Results                  |
|--------------------------------|
| 90 % Filled<br>+ cut           |
| Results from<br>100 Seed X-Ray |

| PURITY (Use OSU sample chart to determine wt. of sample) |   |
|--|---|
| Wt. of Sample: _____ gms                                 | Wt. of All Impurities: <u>-015</u> gms  |
| Wt of Impurities:  | Wt. of Clean Seed <u>-21</u> gms  |
| • Crops _____ gms  | <b>TOTAL (Impurities + Clean Seeds)</b> <u>-225</u> gms   |
| • Inerts <u>-01</u> gms                                  | Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>93</u> % |
| • 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<br>Wt. of 5 reps of 100 seeds each (in grams). | Difference between max & Min wt. _____ 10% of average _____  |
| <u>.007</u> <u>.007</u>  | 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 = <u>.07</u> = 1000 seed wt.   |
|  | Seeds per Pound = <u>6,480,000</u>   |

| FINAL PACKAGING for Seed Storage/Transfer |         |          |             |
|---|---------|----------|-------------|
| Bag #                                     | Bag Wt. | Bag #    | Bag Wt.     |
| Bag # 1                                   | .135    |          |             |
| Bag # 2                                   |         |          |             |
| Bag # 3                                   |         |          |             |
| Bag # 4                                   |         |          |             |
| Bag # 5                                   |         | Last Bag |             |
| <b>TOTAL Wt.</b>                          |         |          | <u>.135</u> |

beg bal .135  
WRPIS -.002 10,000  
New bal .133

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

| DATE   | Start | Stop | Process  | Initials |
|--------|-------|------|----------|----------|
| 1-5-10 | 0830  |      | 226-test | AC       |
|        |       | 0915 | 2270-pkg | AC       |

✓ ID card file sample  
Inventory Card Completed