

Use BLOCK CAPITALS

MSB Serial Number: 

Complete all fields.

NRCS PLANTS Code: MOOD ✓

Circle relevant descriptions shown in *italics*.

Cleaning Facility: BEND

Date(s) Collected (DD/MM/YY): 15/09/09

Seed Collection Reference Number: UT931-153

Collector(s): THOMAS MCDONOUGH

Country: USA Ecoregion (T,O,B): WASATCH State: UT County: SALT LAKE

Location Details: SUMMIT OF MOUNTAINS ON STATE ROUTE 152, BIG COTTONWOOD CANYON UTAH.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 40° 36.3883' N GPS Used?: Yes No If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 111° 33.2996' W GPS Datum: NAD83 NAD27 WGS84 Other:

Elevation (feet): 9855 FT Landowner Details (Permission?): USDA NATIONAL FOREST

## HABITAT DATA

Habitat, Associated Species &amp; Ecological Site Descriptor: ROCKY WINDSWEPT SUMMIT CLEARING, GERANIUM VISCOSISIMUM, ERIOGONUM UMBELLATUM

Modifying Factors: Mowed Burned Grazed Flooded Seeded Trampled Other:

Land Form: MOUNTAIN SADDLE

Slope°: 25°

Land Use: NONE, RECREATION

Aspect: N NE E SE S SW W NW

Geology: KEETLEY VOLCANICS ANDESITE, THAYNES FORMATION SEDIMENTARIES

Soil Texture: Clay Silt Sand Other: ROCKY

Soil Color: LIGHT BROWN

## COLLECTION DATA - If plant has been identified by a specialist, please see other side.

Family: LAMIACEAE

No. of Plants Sampled (min. 50): 150

Genus: MONARDELLA

No. of Plants Found (approx.): 500+

Species: ODORATISSIMA

Area Sampled (acres): 0.2

Subspecies/Variety: 

Seeds Collected From: Plants Ground Both

Plant Habit: Tree Shrub Forb Succulent Grass/Grasslike

Plant Height (feet): 0.3 FT

Native plant materials development and research this accession will be used for:

RESTORATION, RESEARCH, LONG-TERM STORAGE

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species):

STRONG PEPPERMINT AROMA

Common Name(s) of Plants:

MOUNTAIN MONARDELLA ✓

Photograph Taken:

Digital 35mm

Reference  
(PLANTS Code, Coll.  
Number, Pic. No.):MOOD-  
UT931\_A,B,  
C

Where Image will be Filed:

RED BUTTE  
GARDEN

# Seed Test/Packaging Record

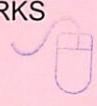
**SOS-UT931-153**

MOOD-SOS-UT931-153-09  
 Monardella odoratissima  
 mountain monardella  
 BLMS .27 P

## PRE-PACKAGING CHECKLIST

|                    |             |               |
|--------------------|-------------|---------------|
| Tag Count Complete | # of Tags   | Date/Initials |
|                    | 0           | 4-7-10        |
| OSU Sample Taken   | # of pounds | AC            |
|                    | -148g       |               |
| Sample Sent        | Y/N         |               |
|                    | (Y)         |               |

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

|                  |         |  |
|------------------|---------|--|
| 100 Seed X-ray   | 92%     | REMARKS<br> ENTERED |
| Moisture Content | too few |  |
| Seed Count       | 621,300 |  |
| GERM             | TZ054   | Strat Time: NC ___ 4C ___ 8C ___ 13C ___   |
| PURITY           | 98      | 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.    |
|                |      |       |                       |           |        |               |          |     | too few |

## X-Ray Results

|                             |
|-----------------------------|
| 92 % 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: <u>.009</u> gms  |
| Wt of Impurities:        | Wt. of Clean Seed <u>.429</u> gms   |
| • Crops _____ gms        | <b>TOTAL (Impurities + Clean Seeds)</b> <u>.438</u> gms   |
| • Inerts <u>.009</u> gms | Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>98</u> % |
| • Weeds _____ gms        |   |
| • Noxious _____ gms      |   |

## SEEDS PER POUND

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

.073 .072 \_\_\_\_\_

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 = .73 = 1000 seed wt.  
 Seeds per Pound = 621,300

## 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> |         |          | <u>.003</u> |

beginning bal. .003  
 WRPIS ALL ~1,600  
 New bal 0

## SEED TRANSFER Log Number

| Date | Wt. Shipped | Ship via | Purpose Remarks |
|------|-------------|----------|-----------------|
|      |             |          |                 |

| DATE     | Start | Stop | Process  | Initials |
|----------|-------|------|----------|----------|
| 4-7-2010 | 1210  |      | 226-test | AC       |
|          |       | 1240 | 2270-pkg | AC       |

|  |                          |
|--|--------------------------|
|  | ID card file sample      |
|  | Inventory Card Completed |

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