BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 19 May 2009)

Use BLOCK CAPITALS
Complete all fields.
Circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code:
Cleaning Facility:

**Date(s) Collected (DD/MM/YY):** 16/09/09 **Seed Collection Reference Number:** CO932-185

**Collector(s):** Carol English

**Country:** USA **Ecoregion (T,O,B):** 21 **State:** CO County: Jefferson

**Location Details:** From 6th Ave. & Simms travel west on US-6 for 2.7 miles. Merge onto I-70 west and travel .9 miles, merge onto C-470 east and travel 4.4 miles, merge onto w Morrison Road/CO-8, travel through the town of Morrison and continue w on highway 74 for approximately 4 miles, turn left into Lair o' the Bear Park. Hike west on the Bear Creek trail for approximately .5 miles. Plants are growing to the north and south along the trail and up in the talus slopes .

**Lat. (dg/min/sec) (ex: 40° 34' 19.5" N):** 39°40'00.7" GPS Used?: *Yes* *No* If no, please see other side.

**Long. (dg/min/sec) (ex: 107° 36' 51.54" W):** 105°15'49.7" GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

**Elevation (feet):** 6543 Landowner Details (Permission?): Jefferson County Open Space (Yes)

**HABITAT DATA**

**Habitat, Associated Species & Ecological Site Descriptor:** Foothilss to Plains. Associated Species: *Pinus ponderosa, Picea pungens, Pseudotsuga menziesii, Bromus inermis, Cercocarpus montanus, Acer glabrum, Grindelia squarrosa Erigeron flagellaris, Penstemon virens, Eriogonum umbellatum, Sedum lanceolatum, Achillea lanulosa, Potentilla sp., Rosa woodsii, Monarda fistulosa, Mahonia repens, Aster porteri, Aster laevis*

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other: N/A*

Land Form: Foothills Slope°: 0-20°

Land Use: Recreation Aspect: *N* *NE* *E* *SE* *S* *SW* *W* *NW*

Geology: Metamorphic basement rock - Gneiss

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color: 7.5 YR 3/1 Very Dark Gray

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

**Family:** Cannabaceae **No. of Plants Sampled (min. 50 ):** 52

**Genus:** Humulus **No. of Plants Found (approx.):** 150

**Species:** lupulus **Area Sampled (acres):** 4.8

Subspecies/Variety: neomexicanus

**Seeds Collected From:** *Plants* *Ground* *Both*

Plant Habit: *Vine* *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 2.0 -4.0

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

**Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species):** Trailing vine; leaves simple and palmately lobed; tendrils absent; leaves and stems harsh to the touch. Bases of talus slopes. Reference: Colorado Flora: Eastern Slope. By William A. Weber. 3rd edition. Boulder: University Press of Colorado, 2001. 143 p.

Common Name(s) of Plants: Common hop √R

# Seed Test/Packaging Record

**SOS-CO932-185**

HULUN-SOS-CO932-185-09
Humulus lupulus var. neomexicanus
common hop
BLMS 2.74 P

## PRE-PACKAGING CHECKLIST

| | # of Tags | Date/Initials |
|---|---|---|
| Tag Count Complete | 0 | 3-29-10 AC |
| OSU Sample Taken | # of pounds .63g | |
| Sample Sent | (Y)/ N | |

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

100 Seed X-ray 86%
Moisture Content 6.2%
Seed Count 150,190

REMARKS

ENTERED

GERM ___ TZ OSU 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. |
| | | | | | | — | — | 30.5 | 6.2 |
| | | | | | | | | | |
| | | | | | | | | | |

## X-Ray Results

86 % 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 .012 gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: .012 gms
Wt. of Clean Seed .602 gms
**TOTAL (Impurities + Clean Seeds)** .614 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 98 %

## 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
Wt. of 5 reps of 100 seeds each (in grams).

.304 .298 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

Difference between max & Min wt. _____ 10% of average _____

NOTE: Seeds/Pound = 453600 / 1000 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 = 3.02 = 1000 seed wt.
Seeds per Pound = 150,190

## FINAL PACKAGING for Seed Storage/Transfer

| | Bag Wt. | | Bag Wt. |
|---|---|---|---|
| Bag # 1 | | Bag # | |
| Bag # 2 | | | |
| Bag # 3 | | | |
| Bag # 4 | | | |
| Bag # 5 | | Last Bag | |
| | | **TOTAL Wt.** | .276 |

ENTERED

beg bal .276
WRPIS − .081 10,000
New bal .195

SEED TRANSFER Log Number _____

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

| DATE | Start | Stop | Process | Initials |
|---|---|---|---|---|
| 3-29-10 | 1330 | | 226-test | AC |
| | | 1410 | 2270-pkg | AC |

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

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____