BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 16 April 2008)

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): 10/08/09 **Seed Collection Reference Number:** CO932-178

**Collector(s):** Peter Gordon & Carol English

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

**Location Details:** BCPOS/USFS Grassy Top: Take the Peak-to-Peak Highway from Nederland. Access is 0.2 miles past mile marker 42. After mm 42, the road will turn a corner and the access turnoff is about 300 yards on the right. Pull in the driveway to the left (park here) & follow the road out of the Aspen/Limber Pine forest & continue down trail into the meadow.

**Lat. (dg/min/sec)** (ex: 40° 34' 19.5" N): 40°03'29.6" N GPS Used?: *Yes* *No* If no, please see other side.

**Long. (dg/min/sec)** (ex: 107° 36' 51.54" W): 105°31'02.0" W GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

**Elevation (feet):** 9,104 Landowner Details (Permission?): Boulder County - Yes

## HABITAT DATA

**Habitat, Associated Species & Ecological Site Descriptor:** Grassy meadow in *Pinus ponderosa*, *Pinus flexilis*, *Populus tremuloides* forest. Associated species: *Poa compressa*, *Phleum pratense*, *Pascopyrum smithii*, *Bromus porteri*, *Eriogonum umbellatum*, *Gallardia aristata*, *Heterotheca villosa*, *Artemesia frigida*, *Ipomopsis aggregate* ssp. *candida*.

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

Land Form: Montane meadow Slope°: 0°- 8°

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

Geology:

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:** Poaceae **No. of Plants Sampled** (min. 50 ): 220

**Genus:** *Festuca* **No. of Plants Found (approx.):** >5000

**Species:** *rubra* **Area Sampled (acres):** 0.92

Subspecies/Variety:

8/19/09

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

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 1.0-2.0

**Native plant materials development and research this accession will be used for:** 1.886# 3 cloth

**Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species):** Leaf blades involute, ligule 2-4 mm, basal sheaths reddish brown, with nerves separating into fibers, culms curved at the base. Mountain meadows. Reference: *Colorado Flora: Eastern Slope*. By William A. Weber. 3rd edition. Boulder: University Press of Colorado, 2001. pp. 281.

Common Name(s) of Plants: Red Fescue

Photograph Taken: *Digital* *35mm* Reference (PLANTS Code_Coll. Where Image will be Filed:

## PRE-COLLECTION CHECKLIST

# Seed Test/Packaging Record

**SOS-CO932-178**

FERU2-SOS-CO932-178-09
FESTUCA RUBRA
RED FESCUE
BLMS 1.88 P

## PRE-PACKAGING CHECKLIST

| | # of Tags | Date/Initials |
|---|---|---|
| Tag Count Complete | 0 | 2-19-2010 |
| OSU Sample Taken | # of pounds .229 | AC |
| Sample Sent | (Y) / N | |

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

100 Seed X-ray 93%
Moisture Content 6.2%
Seed Count 444,700

REMARKS ENTERED

GERM ____ TZ OSU Strat Time: NC___ 4C ___ 8C ___ 13C___

PURITY 99% 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

93 % 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: _____ gms
Wt. of Clean Seed _____ gms
**TOTAL (Impurities + Clean Seeds)** _____ gms

Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = ~99 %

## SEEDS PER POUND

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

.102 .102 _____
_____ _____

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 = 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 = 1.02 = 1000 seed wt.
Seeds per Pound = 444,700

## 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.** | .766 |

ENTERED

beg bal .766
WRPIS -.025# (10,000)
New bal = .741

SEED TRANSFER Log Number _____

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

| DATE | Start | Stop | Process | Initials |
|---|---|---|---|---|
| 2-19-10 | 1005 | | 226-test | AC |
| | | 1050 | 2270-pkg | AC |

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

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____