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): 11/08/09 **Seed Collection Reference Number:** CO932-177

Collector(s): Peter Gordon, and Carol English, Carol Dawson

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

Location Details: Meyer Ranch Park – From I-70 W, take exit 260 and merge onto CO-470 E towards Colorado Springs for 5.7 miles. Take the exit onto US-285 S towards Fairplay and follow 11.5 miles. Exit circles around under highway to parking lot. Collection site was approximately 275m from trailhead on the right side of trail.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 39°32'41.9" N GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 105°16'25.1" W GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 7,933' Landowner Details (Permission?): Jefferson County Open Space (Yes)

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Montane meadow – Surrounded by *Pinus ponderosa*, *Picea pungens*, *Pseudotsuga menziesii* forest. Associated species include – *Bromus inermis, Erigeron flagellaris, Penstemon virens, Eriogonum umbellatum, Sedum lanceolatum, Achillea lanulosa, Poa pretense, Potentilla sp., Rosa woodsii, Tragopogon dubius.*

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

Land Form: Montane meadow Slope°: 5-10°

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

Geology:

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color: 7.5YR 3/3 Dark Brown

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

Family: Poaceae **No. of Plants Sampled** (min. 50): 400+

Genus: *Nassella* **No. of Plants Found (approx.):** 2000+

Species: *viridula* **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): 4.0-5.0

Native plant materials development and research this accession will be used for: 1 gro 0.613#

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Panicle loose or dense, lemma with a single terminal awn, spikelet is not short and plump. Lemma stiff and terete and < 7.5 mm long, awn naked and persistent. Frequent tall roadside grass with a rather heavy inflorescence. Reference: *Colorado Flora: Eastern Slope*. By William A. Weber. 3rd edition. Boulder: University Press of Colorado, 2001. p. 287

Common Name(s) of Plants: Green Needle Grass

Photograph Taken: *Digital* *35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): Where Image will be Filed:

SOS-CO932-177

NAVI4-SOS-CO932-177-09
Nassella viridula
green needlegrass
BLMS .61 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	2-18-10 AC
OSU Sample Taken	# of pounds .57g	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 96%
Moisture Content 6.5%
Seed Count 162,500

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.
						—		32.7	6.5

X-Ray Results

96 % 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).

.279 .278 _____
_____ _____

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 = 2.79 = 1000 seed wt.
Seeds per Pound = 162,500

ENTERED

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.	.293

beg bal .293
WRPIS — .065 10,000
New bal = .228

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
2-18-10	1240		226-test	AC
		1325	2270-pkg	AC

✓ OK	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____