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: ACTH7
Cleaning Facility: Bend, OR

Date(s) Collected (DD/MM/YY): 01-14/07/09 **Seed Collection Reference Number:** OR-020-101

Collector(s): Doug Linn, Marilyn Musser, Christine Bates, Terri Geisler

Country: USA **Ecoregion (T,O,B):** O-80 GB **State:** OR County: Harney

Location Details: Southeastern portion of the 2007 Egly fire at the corner of Hwy 20 and Sagehen Road 12 miles West of Hines, Oregon. Directly North of the "OO" Road.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 43, 31' 50.49''N GPS Used?: ***Yes*** *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 119, 17' 38.56" W GPS Datum: ***NAD83*** *NAD27* *WGS84* *Other:*

Elevation (feet): 4400'-4550' Landowner Details (Permission?): BLM

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Front-range volcanic tablelands within a post-wildland fire native bunchgrass community with few residual western juniper and Wyoming big-sagebrush populations. PSSP6, LECI4, ELEL5, ASFI, AGCR, BASE2

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other:*

Land Form: Tablelands, foothills Slope°: 0-25%

Land Use: Grazing, recreation Aspect: *ALL Aspects present*

Geology: Volcanic

Soil Texture: ***Clay*** *Silt* *Sand* *Other:* ***Rocky*** Soil Color: Reddish - Tan

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

Family: Poaceae **No. of Plants Sampled** (min. 50): 500

Genus: Achnatherum **No. of Plants Found (approx.):** 5-10,000

Species: thurberianum **Area Sampled (acres):** 50-100ac

Subspecies/Variety:

8/26/09

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

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* ***Grass****/Grasslike* Plant Height (feet): 1-2'

Native plant materials development and research this accession will be used for: Front Range Rehabilitation Project – Burns District

2 gtoz

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

1.346
- .300
1.040

Common Name(s) of Plants: Thurber's needlegrass

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

Seed Test/Packaging Record

SOS-OR020-101

ACTH7-SOS-OR020-101-09
Achnatherum therberianum
Thurber's needlegrass
BLMS 1.04 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	2-24-10 AC
OSU Sample Taken	# of pounds .779	
Sample Sent	Y / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 92 %
Moisture Content 5.5 %
Seed Count 121,200

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.
								25.7	5.5

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 Impurities:
- Crops _____ gms
- Inerts _____ gms
- Weeds _____ gms
- Noxious _____ gms

1 other sp. most is brown spots on target sp. → looks unhealthy!

Wt. of All Impurities: .036 gms
Wt. of Clean Seed 2.24 gms
TOTAL (Impurities + Clean Seeds) 2.276 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).

.374 .374 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

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

NOTE: Seeds/Pound = 453600 (453.6 grams = 1 pound)
1000 seed wt.

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 3.74 = 1000 seed wt.
Seeds per Pound = 121,200

FINAL PACKAGING for Seed Storage/Transfer

ENTERED

	Bag Wt.		Bag Wt.
Bag # 1		Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.425

beg. bal .425
WRPIS − .092 (10,000)
New bal .333

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
2-24-2010	1000		226-test	AC
		1040	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ _____ Computer NMIS_____