



MSB Serial Number: _____
NCRS PLANTS Code: ACTH7
Storage Facility: Bend
Date Collected: 27 JUL 2009
Seed Collection Reference Number: NV030-259
Collector(s): Rivas, C.; McCoy-Sulentice, M.
POACEAE
Achnatherum thurberianum

Country: United States **Ecoregion:** 12, Sierra Nevada
State: Nevada **County:** Washoe
City/Town/Park: # **Geographic Area:** Mt. Rose
Location Details: Mt. Rose trail about 1/4 mile from trailhead)
Lat. (dg/min/sec): 39° 11' 44" N **Long. (dg/min/sec):** 119° 53' 54" W
GPS: NAD83

Landowner Details (Permission): Forest Service
Altitude: 8910 FT

Associated Species: *Elymus elymoides*, *Lupinus spp.*, *Monardella odoratissima*, *Chrysothamnus sp.*, *Penstemon spp.*, *Eriogonum umbellatum*, *Eriogonum sp.*, *Pinus albicaulis*

Habitat: Forest, Lodgepole pine forest

Modifying Factors: #

Land Form: mountain

Aspect: SE

Land Use: recreational

Slope: 38°

Geology: Granodiorite/ Quartz Monzonite

Soil: sandy loam

No. of Plants Sampled and Misc.: 300 plants sampled

No. of Plants Found: > 1000

Area Sampled: 5 #

Seeds Collected From: seed - many individuals, plant

Description: Needle grass. Awn is twice geniculate, plant height range from 6 to 24 inches.

Common Name(s): thurber's needlegrass

Photograph (to be send electronically to SOS National Office) file name:

ACTH7-NV030-259-A

Identification

Rivas, C BLM, In field, 7-27-09

Herbarium Vouchers

Does the pressed specimen have the same reference as the seed collection? Yes No

No. of Herbarium Vouchers: 4 vouchers

- All herbarium duplicates will be sent to Kew to arrange labeling, verification and distribution (default).
- One duplicate will be sent to _____ herbarium for verification, other duplicates will be sent by the collector to Kew to arrange labeling and distribution.
- All herbarium duplicates will be sent to _____ herbarium that has agreed to arrange labeling, verification and distribution.

Rec 9/4

Seed Test/Packaging Record

SOS-NV030-259

ACTH7-SOS-NV030-259-09
 Achnatherum therberianum
 Thurber's needlegrass
 BLMS .105 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	3-2-10
OSU Sample Taken	# of pounds	AC
	.207g	
Sample Sent	Y/N	100 seeds
	Y	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	98%	 ENTERED
Moisture Content	+100 small	
Seed Count	219,100	
GERM	TZ ¹⁰⁰ 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.
						Lot	too small		

X-Ray Results
98 % 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>.006</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.434</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>.44</u> gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{98.}$ %
• Weeds _____ gms	
• Noxious _____ gms	

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).	
<u>.207</u>	Difference between max & Min wt. _____ 10% of average _____
TOTAL of ALL Reps: _____	NOTE: Seeds/Pound = $\frac{453600}{1000}$ (453.6 grams = 1 pound)
Average: _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = $\frac{2.07}{2} = 1000$ seed wt.
	Seeds per Pound = $\frac{219,100}{1000}$

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.006		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			.006

★ Special Collection ★
 4 small packets go to WRPIS as is with "mother" processed lot of 10M.
 beg bal → .006
 WRPIS = ALL 1,200
 new bal = 0

SEED TRANSFER Log Number			
Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3-2-10	1250		226-test	AC
		1325	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS _____