

SEEDS



OF SUCCESS

MSB Serial Number: _____
 NCRS PLANTS Code: ACTH7
 Storage Facility: Bend
 Date Collected: 20 JUL 2009
 Seed Collection Reference Number: NV030-252
 Collector(s): Carson City Field Office
POACEAE
Achnatherum thurberianum

Country: United States Ecoregion: 12, Sierra Nevada
 State: California County: Alpine
 City/Town/Park: # Geographic Area: East Carson River
 Location Details: From Markleeville travel south on highway 89 approximately 1.5 miles. Turn left after a bridge into the East Fork of the Carson River Parking lot. Hike north up a jeep trail and stay to the right 1/4 of a mile to collection site.

Lat. (dg/min/sec): 38° 41' 32" N Long. (dg/min/sec): 119° 45' 50" W

GPS: WGS84

Landowner Details (Permission): BLM

Altitude: 1720 M

Associated Species: *Pinus monophylla*, *Artemisia tridentata*, *Purshia tridentata*, *Bromus tectorum*, *Elymus elymoides*, *Pinus jeffreyi*

Habitat: Pinyon Pine Forest, Pinyon Pine

Modifying Factors: #

Land Form: Mountains

Aspect: NW

Land Use: Recreation

Slope: 16°

Geology: Andesite and Rhyolite

Soil: Loam, 7.5YR 3/2; 2.5/2 moist

No. of Plants Sampled and Misc.: 81 plants sampled,

No. of Plants Found: < 350

Area Sampled: 5 A

Seeds Collected From: seed - many individuals, plant

Description: clump grass, awns distinctly bend twice.

Common Name(s): Thurber's needlegrass

Photograph (to be send electronically to SOS National Office) file name: ACTH7-NV030-252-A, ACTH7-NV030-252-B, ACTH7-NV030-252-C

Identification

Dean Tonenna - BLM, In Office, 7-20-09

Herbarium Vouchers

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

No. of Herbarium Vouchers: 4 Vouchers Taken

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

Rec 7/24/09
 044#
 Mother envelope

By default, besides any herbaria mentioned above, one specimen will be sent to Kew and one to the Smithsonian. If you would like to request that additional specimens be sent to regional and/or local herbaria, please fill in the following information:

"children"
go to
WRPIS w/
10M.

SOS-NV030-252

ACTH7-SOS-NV030-252-09
Achnatherum therberianum
Thurber's needlegrass
BLMS .044 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags 0	Date/Initials 3-2-10 AC
OSU Sample Taken	# of pounds 0.307g	
Sample Sent	Y/N	100 seeds

Test Results: Both in-house and/or OSU

100 Seed X-ray	89%	REMARKS
Moisture Content	too small	
Seed Count	147,700	
GERM	TZ ^{100 to} OSU	Strat Time: NC 4C 8C 13C
PURITY	95%	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

89 % 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: .028 gms
Wt of Impurities:	Wt. of Clean Seed .614 gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) .642 gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = 95\%$
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.307

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 = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.

2 x Total of 5 reps = $\frac{3.07}{2} = 1000 \text{ seed wt.}$

Seeds per Pound = 147,700

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1			
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			.004

bag bal. .004
WRPIS ALL ~ 490 PLS
New bal 0

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3-2-10	1125		226-test	AC
		1155	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS