



MSB Serial Number: _____
 NCRS PLANTS Code: TRGR2
 Storage Facility: Bend
 Date Collected: 04 MAY 2009
 Seed Collection Reference Number: AZ930-282
 Collector(s): Johnson, J., King, M.
 FABACEAE
Trifolium gracilentum

Country: United States Ecoregion: 23, Arizona/New Mexico Mountains
 State: Arizona County: Maricopa
 City/Town/Park: Tonto National Forest Geographic Area: Seven Springs
 Recreation Area

Location Details: Tonto National Forest. 2.8 miles north of 6 mile marker on FS 24.

Lat. (dg/min/sec): 33° 56' 56.7" N Long. (dg/min/sec): 111° 49' 50.2" W

GPS: NAD83

Landowner Details (Permission): USFS

Altitude: 3590 FT

Associated Species: *Sphaeralcea ambigua*, *Acacia greggii*, *Bromus rubens*, *Lotus humistratus*, *Quercus turbinella*, *Rhus trilobata*, *Opuntia phaeacantha*, *Plantago patagonica*, *Bouteloua curtipendula*

Habitat: Interior Chaparral

Modifying Factors: None

Land Form: Hills

Aspect: All

Land Use: Recreation

Slope: 0°

Geology: Basalt

Soil: Clay, silt, sand. 2.5YR 4/4, reddish brown, dry

No. of Plants Sampled and Misc.: 1000 plants sampled.

No. of Plants Found: > 5000

Area Sampled: 0.25 MI

Seeds Collected From: seed - many individuals, plant

Description: Plant height: 6 inches

Common Name(s): pinpoint clover

Photograph (to be send electronically to SOS National Office) file name: TRGR2-AZ930-282-A, TRGR2-AZ930-282-B, TRGR2-AZ930-282-C

Identification

Johnson, J. -DES, In Field, May 4, 2009

Herbarium Vouchers

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

No. of Herbarium Vouchers: 1- sent to Smithsonian

- 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 Smithsonian herbarium that has agreed to arrange labeling, verification and distribution.**

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:

Regional Herbarium:

Local Herbarium:

new year
6/1/09

Rec 5/12/09

2 manila envelopes

0.451 #
0.150

301

SOS-AZ930-282

TRGR2-SOS-AZ930-282-TONTO-09

Trifolium gracilentum
pinpoint clover

BLMS .3 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	2/12/10
OSU Sample Taken	# of pounds	AC
	.199	
Sample Sent	(Y) N	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	97%	ENTERED
Moisture Content	5.9%	
Seed Count	231,400	
GERM <u>—</u> TZ <u>OSU</u> Strat Time: NC <u>—</u> 4C <u>—</u> 8C <u>—</u> 13C <u>—</u>		
PURITY <u>99%</u> or NOXIOUS WEED only <u>—</u>		

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.
						—		27.6	5.9

X-Ray Results
97 % 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: _____ gms
Wt of Impurities:	Wt. of Clean Seed _____ gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) _____ gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \sim 99\%$
• 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).	
.194 .197	Difference between max & Min wt. _____ 10% of average _____
TOTAL of ALL Reps: _____	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
Average: _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = $\frac{1.96}{2} = 1000 \text{ seed wt.}$
	Seeds per Pound = <u>231,400</u>

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.			.216

beg bal .216
WRPIS .046# (10,000)
New bal .170

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

DATE	Start	Stop	Process	Initials
2-10-2010	1520		226-test	AC
		1550	2270-pkg	AC

ID card file sample
Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____