

SEEDS



OF SUCCESS

MSB Serial Number: _____

NCRS PLANTS Code: TECA2

Storage Facility: Bend

Date Collected: 07 OCT 2009

Seed Collection Reference Number: NV030-295

Collector(s): Robinson, G., Rivas, C., Mausert-Mooney, C.

ASTERACEAE

Tetradymia canescens

Country: United States

Ecoregion: 11, Great Basin

State: Nevada

County: Washoe

City/Town/Park: #

Geographic Area: Red Rock Area

Location Details: Travel 395 N past Reno and take exit 83 right on Village road. Travel approximately two miles and take a left on New Forest road and follow off pavement for approximately 2 miles into canyon on east side of the Peterson mountain range.

Lat. (dg/min/sec): 39° 44' 48.6" N Long. (dg/min/sec): 119° 57' 43.4" W

GPS: NAD83

Landowner Details (Permission): BLM

Altitude: 1767 M

Associated Species: *Tetradymia canescens*, *Artemisia tridentata*, *Ephedra viridis*, *Elymus elymoides*, *Achnatherum hymenoides*, *Lygodesmia spinosa*, *Agropyron cristatum*, *Prunus andersonii*, *Wyethia mollis*, *Bromus tectorum*, *Eriogonum baileyi*, *Chrysothamnus viscidiflorus*, *Balsamorhiza sagittata*,

Habitat: shrub scrub, sagebrush

Modifying Factors: road, fire

Land Form: foothills

Aspect: 174

Land Use: grazing

Slope: 4°

Geology: Grandodiorite and quartz monzonite

Soil: Sandy Loam, 10YR 4/2 dry; 10YR 3/1 moist

No. of Plants Sampled and Misc.: 422 plants sampled

No. of Plants Found: ca 750

Area Sampled: 30 A

Seeds Collected From: seed - many individuals, #

Description: shrub; leaves existing only as basal rosette; green-grey aromatic leaves; seeds dispersed by pappus from dehiscent pod

Common Name(s): horsebrush

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

TECA2-NV030-295-A, TECA2-NV030-295-B, TECA2-NV030-295-C

Identification

Mausert-Mooney, C. -BLM, in field, 10-7-09

Herbarium Vouchers

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

No. of Herbarium Vouchers: 4 Vouchers Taken

- 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

Seed Test/Packaging Record

PRIORITY

SOS-NV030-295

TECA2-SOS-NV030-295-09
Tetradymia canescens
spineless horsebrush
BLMS 1.61 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	1/28/10
OSU Sample Taken	# of pounds	AC
	.54g	100 seeds
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	95%	ENTER
Moisture Content	6.5%	
Seed Count	85,100	
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.
						—	73°	32.4	6.5

X-Ray Results
95 % 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>.033</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>1.47E</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>1.65</u> gms
• Inerts <u>.033</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>98</u> %
• 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).	Difference between max & Min wt. _____ 10% of average _____
<u>.539</u> <u>.526</u>	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
TOTAL of ALL Reps: _____	To calculate M seed wt, take Total of 5 samples times 2.
Average: _____	2 x Total of 5 reps = <u>5.33</u> = 1000 seed wt.
	Seeds per Pound = <u>85,100</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.			<u>.026</u>

beg bal
WRPIS - ALL ~ 3,000 PLS
New bal = 0

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

DATE	Start	Stop	Process	Initials
1-28-10	1515		226-test	AC
		1550	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS