



Please use BLOCK CAPITALS

MSB Serial Number:

Please complete all the priority fields labeled in **bold**.

NRCS PLANTS Code:

THMO

Please circle relevant descriptions shown in *italics*.

Date Collected (DD/MM/YY): 16/05/05 Seed Collection Reference Number: AZ-930-0072R

Collector(s): S. HUNKINS, J. JOHNSON, J. HELM

Country: USA Ecoregion: SONORAN State: AZ County: YAVAPAI

Location Details: CONSTELLATION ROAD. 2.5 MILES FROM JUNCTION WITH BLUE TANK ROAD.

Lat. (dg/min/sec): N 33° 00.810' GPS Used?: Yes No If no, please see other side.

Long. (dg/min/sec): W 112° 38.774 GPS Datum: NAD83 NAD27 WGS84 Other:

Elevation (feet): 2,918 Landowner Details (Permission?): BLM (YES)

**HABITAT DATA**

Habitat & Associated Species: SONORAN DESERT SCRUB. ARIZONA UPLAND. WITH CARNEGIEA GIGANTEA, PARKINSONIA FLORIDA, P. MICROPHYLLA, PROSOPIS SP., ACACIA SPP., HYMENOCLEA SALSOLA, VIGUIERA PARISHII, OPUNTIA SP., CYLINDROPUNTIA SP., ENCELIA FARINOSA, GUTIERREZIA SP.

Modifying Factors: Mowed Burned Grazed Flooded Seeded Trampled Other:

Land Form: HILLS Slope°: 0° - 10°

Land Use: RECREATION Aspect: N NE E SE S SW W NW

Geology: GRANITIC AND BASALTIC OUTCROPS

Soil Texture: Clay Silt Sand Other: Soil Color: TAN

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

Family: RUTACEAE No. of Plants Sampled: 350

Genus: THAMNOSMA No. of Plants Found (approx.): 1,000

Species: MONTANA Area Sampled (acres): 20

Subspecies/Variety:

Seeds Collected From: Plants Ground Both

Plant Habit: Tree Shrub Forb Succulent Grass/Grasslike

Plant Height (feet): 2.0-2.5'

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

If not, enter details of collector, reference, where lodged, and date collected:

Rec 5/23/05  
4.002 -- 150 =

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

DCard

Common Name(s) of Plants: TURPENTINE BROOM

Photograph Taken: Digital 35mm Reference: Where Image will be Filed:

THMO-SOSAZ-930-0072R-05  
 Thamosma montana  
 turpentinebroom  
 SNWC 3.852 P

# Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	8-04-05
OSU Sample Taken	# of pounds	AC
	0	
Sample Sent	Y / (N)	
	Y / (N)	

Test Results: Both Inhouse and/or OSU		REMARKS
100 Seed X-ray	86%	 ENTERED
Moisture Content	---	
Seed Count	20,285	
GERM	---	Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	99	or NOXIOUS WEED only ___

MOISTURE CONTENT (use one of two methods below)					
**Dole Meter**			**Moisture Analyzer**		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.

X-ray Results
86 % Filled
Results from 100 Seed X-ray

refrig. storage

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	<b>TOTAL (Impurities + Clean Seeds) _____ gms</b>
* Inerts _____ gms	Percent Purity = $\frac{\text{Wt. Of clean seeds}}{\text{Wt. Of Total}} \times 100 = 99\%$
* Weeds _____ gms	
* Noxious _____ gms	

SEEDS PER POUND	***NOTE: If difference between max and min is less than 10% of average of 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 _____
2.236	
TOTAL of ALL Reps 11.18	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$
Average _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = $22.36 = 1000 \text{ seed wt.}$
	Seeds per Pound = 20,285

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	1.915		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		<b>TOTAL WT.</b>	1.915

Transaction Fee: \$20  ENTERED

Seedbank Location

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

DATE	Start	Stop	Process	Initials
8-04-05	1120		226-test	AC
		1145	2270-pkg	AC

_____	ID card file sample
_____	Regional Office ID file

POSTED TO: Lot Completion Logbook  Computer NMIS  ENTERED Inventory Card  Y \_\_\_ NA