

Appendix 2. BLM Seeds of Success Field Data Form

Use BLOCK CAPITALS

Complete all fields.

Circle relevant descriptions shown in *italics*.

Accession Date: 7/30/09

MSB Serial Number:

NRCS PLANTS Code: MAGR9

Cleaning Facility: BEND

Date(s) Collected (DD/MM/YY): 6/30/09

Seed Collection Reference Number: UT-080-22

Collector(s): Maria Ulloa, Greg Ford

Country: USA Ecoregion (T.O. B): State: UT County: Uintah

Location Details: FROM VERNAL TRAVEL EAST, TURN RIGHT ON BONANZA HWY CROSS GREEN RIVER, ON RIGHT BASER WASH ROAD

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 40° 14' 34.876" N GPS Used?:  Yes  No If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 109° 27' 13.704" W GPS Datum: NAD83 NAD27  WGS84 Other:

Elevation (feet): 5018 Landowner Details (Permission?): BLM

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: GUTIERREZIA, OPUNTIA, ASTERACEA, ARTEMESIA TRIDENTATA STIPA COMATA, ORYZOPSIS, HYMENOIDES, BROMUS TECTORUM ONAGRACEAE SPP

Modifying Factors: Mowed Burned  Grazed Flooded Seeded Trampled Other:

Land Form: DESERT SHRUB / ROCKY RIDGE Slope°: 150

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

Geology: UINTAH BASIN

Soil Texture:  Clay  Silt  Sand Other: Soil Color: LIGHT BROWN

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

Family: Asteraceae No. of Plants Sampled (min. 50): 660

Genus: Machaeranthera No. of Plants Found (approx.): 3,000

Species: Grindelioides Area Sampled (acres): 2

Subspecies/Variety:  Grindelioides

Seeds Collected From:  Plants  Ground  Both

Plant Habit: Tree Shrub  Forb Succulent Grass/Grasslike Plant Height (feet): 1.5

Native plant materials development and research this accession will be used for:

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

Common Name(s) of Plants: rayless tanysaster

Photograph Taken:  Digital 35mm Reference (PLANTS Code, Col. Number, No. No.): Where Image will be Filed:

PRIORITY

SOS-UT080-22

### Seed Test/Packaging Record

MAGR-SOS-UT080-22-09  
Machaeranthera grindelioides var. grindelioides  
rayless tansyaster  
BLMS .31 P

#### PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	10-30-2009
OSU Sample Taken	# of pounds	AC
	.25g	
Sample Sent	Y/N	

#### Test Results: Both in-house and/or OSU

100 Seed X-ray	81%	REMARKS ENTERED
Moisture Content	too few	
Seed Count	365,800	
GERM	TZ OSU	Strat Time: NC 4C 8C 13C
PURITY	99%	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.
							too few	seed	

#### X-Ray Results

81 % 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: _____ gms	Wt. of Clean Seed _____ gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> _____ gms
• 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 the average samples, data is acceptable

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

.121 .125

TOTAL of ALL Reps: \_\_\_\_\_

Average: \_\_\_\_\_

Difference between max & Min wt. \_\_\_\_\_ 10% of average \_\_\_\_\_

NOTE: Seeds/Pound =  $\frac{453600}{1000}$  (453.6 grams = 1 pound)

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

2 x Total of 5 reps = 1.24 = 1000 seed wt.

Seeds per Pound = 365,800

#### FINAL PACKAGING for Seed Storage/Transfer

Bag # 1	Bag Wt.	Bag #	Bag Wt.
	.046		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			.046

beg total .046  
WRPIS-.018 - 5,000 PLS  
**NEW BAL .028**

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

DATE	Start	Stop	Process	Initials
10-30-09	0810		226-test	AC
		0855	2270-pkg	AC

ID card file sample  
Inventory Card Completed

POSTED TO: Lot Completion Logbook  Computer NMIS \_\_\_\_\_