



Use BLOCK CAPITALS

Complete all fields.

Circle relevant descriptions shown in *italics*.

MSB Serial Number:

NRCS PLANTS Code:

Cleaning Facility:

ARTRW8

Bend

Date(s) Collected (DD/MM/YY): 29/10/09

Seed Collection Reference Number: MT020-007

Collector(s): Nora Taylor, Gayle Sitter, John David, Jesse Hankins, David Wood, Katerina Morici

Country: USA

Ecoregion (T,O,B):

O-43 Northwestern
Great Plains

State: MT

County: Custer

Location Details:

Pumpkin Creek Recreation Area, Highway 59 south of Miles City, Montana, at milepost 17 and 20.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N):

45° 11' 2"N

GPS Used?:

Yes

No

If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W):

105° 37' 36.2"W

GPS Datum:

NAD83

NAD27

WGS84

Other:

Elevation (feet):

2611'

Landowner Details (Permission?):

BLM

HABITAT DATA

Habitat, Associated
Species & Ecological
Site Descriptor:Wyoming big sagebrush/Western wheatgrass-blue grama
Agropyron cristatum, Artemisia cana v. cana, Bromus japonicas, Sarcobatus
vermiculatus

Modifying Factors:

Mowed Burned Grazed Flooded Seeded Trampled Other:

Land Form:

Rolling hills

Slope°:

0-2%

Land Use:

Grazing

Aspect:

N NE E SE S SW W NW

Geology:

Sedimentary

Soil Texture:

Clay Silt Sand Other:

Soil Color:

Brown

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

Family:

Asteraceae

No. of Plants Sampled (min. 50):

1000+

Genus:

Artemisia

No. of Plants Found (approx.):

5000+

Species:

tridentata

Area Sampled (acres):

120

Subspecies/Variety:

wyomingensis

Seeds Collected From:

Plants Ground Both

Plant Habit:

Tree **Shrub** Forb Succulent Grass/Grasslike

Plant Height (feet):

3'

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

Sage grouse habitat restoration

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

Common Name(s) of Plants:

Wyoming big sagebrush

Photograph Taken:

Digital 35mm

Reference
(PLANTS Code, Coll.
Number, Pic. No.):

Where Image will be Filed:

PRE-COLLECTION CHECKLIST

Seed Test/Packaging Record

SOS-MT020-007

ARTRW8-SOS-10931-007-09
 Artemisia tridentata spp. wyomingensis
 Wyoming big sagebrush
 BLMS 12.5 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags 0	Date/Initials 3-3-2010 AC
OSU Sample Taken	# of pounds .081g	
Sample Sent	Y/N Y	

Test Results: Both in-house and/or OSU

100 Seed X-ray	90%	REMARKS ENTERED
Moisture Content	6.0%	
Seed Count	1,242,700	
GERM ___ TZ <u>OSU</u> Strat Time: NC ___ 4C ___ 8C ___ 13C ___		
PURITY <u>81</u> 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.
								28.0	6.0

X-Ray Results

90 % Filled

Results from
100 Seed X-Ray

9 PURITY (Use OSU sample chart to determine wt. of sample)

Wt. of Sample: _____ gms	Wt. of All Impurities: <u>.066</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.288</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>.354</u> gms
• Inerts <u>.066</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{81} \%$
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.036 .037

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 = $\frac{453600}{1000}$ (453.6 grams = 1 pound)

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

2 x Total of 5 reps = $\frac{.365}{2} = 1000$ seed wt.

Seeds per Pound = 1,242,700

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.			<u>.603</u>

beg bal .603
 WRPIS -.013 * ~10,000
 New bal .590

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

DATE	Start	Stop	Process	Initials
3-3-10	1035		226-test	AC
		1120	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS _____