BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 19 May 2009)

Use BLOCK CAPITALS
Complete all fields.
Circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code: ATCO
Cleaning Facility: BEND

Date(s) Collected (DD/MM/YY): 9/9/09, 9/10/09 **Seed Collection Reference Number:** WY010-34

Collector(s): E. Verhoeven

Country: USA **Ecoregion** (T,O,B): 18 **State:** WY County: Washakie

Location Details: 9.6 miles east up Devil's Slide Rd. off of Nowater Tr. Majority collected to north of road, both sides of fence.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 43°48'19"N GPS Used?: ***Yes*** *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 107°41'53"W GPS Datum: *NAD83* *NAD27* ***WGS84*** *Other:*

Elevation (feet): 4885 ft Landowner Details (Permission?): BLM

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Sagebrush steppe/scrub. *Artemisia tridentata spp. wyomingensis, Sarcobatus vermiculatus, Chrysothamnus nauseousus, Grindelia squarrosa, Achnatherum hymenoides, Poa secunda, Pseudoroegneria spicata ssp. spicata, Salsola kali, Heterotheca villosa, Bromus tecorum, Scabrethia scabra ssp. scabra, Calochortus nuttallii, Thermopsis rhombifolia, Comandra umbellate, Arenaria hookeri, Phlox hoodii, Achillea millefolium, Bouteloua gracilis, Bromus arvensis, Alyssum desertorum, Oppuntia polyacantha, Gutierrzia sarothrae, Halogeton glomeratus, Atriplex gardneri, Krascheninnikovia lanata*

Modifying Factors: *Mowed* *Burned* ***Grazed*** *Flooded* *Seeded* *Trampled* *Other:*

Land Form: Slopes and wash between shoulders of ridge Slope°: 5-60° majority about 35°

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

Geology: Tertiary willwood (Variegated claystone, shale, and sandstone)

Soil Texture: *Clay* *Silt* *Sand* *Other:* ***sandy loam*** Soil Color: 2.5Y 7/2

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

Family: Chenopodiaceae **No. of Plants Sampled** (min. 50): 350

Genus: Atriplex **No. of Plants Found (approx.):** 700

Species: confertifolia **Area Sampled (acres):** 10

Subspecies/Variety:

Seeds Collected From: ***Plants*** *Ground* *Both*

Plant Habit: *Tree* ***Shrub*** *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 1-3 ft

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

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Spiny stems. Dioecious, I believe individual plants can change sex in a given year in response to environmental cues (precip., etc.).

Common Name(s) of Plants: Shadscale

Photograph Taken: ***Digital*** *35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): ATCO_WY010-34_A,B,C Where Image will be Filed: WFO, WO, CD

Seed Test/Packaging Record

SOS-WY010-34

ATCO-SOS-WY010-34-09
Atriplex confertifolia
shadscale saltbush
BLMS 9.75 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	2-19-10 AC
OSU Sample Taken	# of pounds	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 90
Moisture Content 6.3%
Seed Count 47,400

REMARKS

ENTERED

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.
								31.6	6.3

X-Ray Results

~90 % Filled

Results from 100 Seed X-Ray

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

Wt. of Sample: _____ gms
Wt of Impurities:
- Crops _____ gms
- Inerts _____ gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: _____ gms
Wt. of Clean Seed _____ gms
TOTAL (Impurities + Clean Seeds) _____ gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = ~ 99 %

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).

.939 .969 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

Difference between max & Min wt. _____ 10% of average _____

NOTE: Seeds/Pound = 453600 (453.6 grams = 1 pound)
1000 seed wt.

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 9.55 = 1000 seed wt.
Seeds per Pound = 47,400

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1		Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	1.813

beg bal 1.813
WRPIS − .239# (10,000)
New bal 1.574

ENTERED

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
2-19-10	1230		226-test	AC
		1315	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____