BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 16 April 2008)

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

MSB Serial Number:
NRCS PLANTS Code: ATCA2
Cleaning Facility: BEND

Date(s) Collected (DD/MM/YY): 20/10/09 **Seed Collection Reference Number:** UT931-159

Collector(s): Daniel Cloward, Keldan Cloward, Ryan Taylor

Country: USA **Ecoregion (T,O, B):** 13 **State:** Utah County: tooele

Location Details: State rd 73 from Tooele to Cedar Fort. Mercur mine road across from Mercur cemetary

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 40 20.230N GPS Used?: ***Yes*** *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 112 34.359 W GPS Datum: ***NAD83*** *NAD27* *WGS84* *Other:*

Elevation (feet): 6577 Landowner Details (Permission?): BLM

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Pinion Juniper into salt desert shrub community. Atremisia ttridentata, Sarcobatus vermiculatus, Bromus techtorum, Pensemon palmeri

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other:* none

Land Form: Mountain Slope°: 5

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

Geology:

Soil Texture: *Clay* *Silt* ***Sand*** *Other:* Soil Color: Tan to white

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

Family: Chenopodiaceae **No. of Plants Sampled (min. 50):** 100

Genus: Atriplex **No. of Plants Found (approx.):** 500

Species: canescens **Area Sampled (acres):** 1

Subspecies/Variety:

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: RESEARCH, RESTORATION, AND LONG-TERM STORAGE

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

Common Name(s) of Plants: Four wing salt brush

Photograph Taken: ***Digital*** *35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): ATCA2_UT931-159_A Where Image will be Filed: RED BUTTE GARDEN

Seed Test/Packaging Record

SOS-UT931-159

ATCA2-SOS-UT931-159-09
Atriplex canescens
fourwing saltbush
BLMS 4.74 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 0	Date/Initials: 3-22-10 AC
OSU Sample Taken	# of pounds: 2.3g	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray	~90%
Moisture Content	5.5
Seed Count	40,300

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.
						—		25.7	5.5

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

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

1.152 1.091 _____
_____ _____

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 = 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 = 11.25 = 1000 seed wt.
Seeds per Pound = 40,300

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.	.438

beg-bal .438
WRPIS WAIT TZ results
New bal WAIT

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
3-22-10	1210		226-test	AC
		1250	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____