BASA3 - LOWER BOX CK. ROAD (1)

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: BASA3
Cleaning Facility: BENT

Date(s) Collected (DD/MM/YY): 19 07 09 **Seed Collection Reference Number:** UT933-104

Collector(s): M. GREENWOOD, L. GREENWOOD, B. MILLER, A. HOWE, E. POIRSON

Country: USA Ecoregion (T/O/B): 19 State: UTAH County: SEVIER

Location Details: BOX CREEK ROAD (FOREST ACCESS Rd. 069) ACCESSED FROM HIWAY 62 IN GREEN-WICH CITY. AT F.S. Rd. JUNCTION, TURN ONTO F.S. Rd. 068 AND CONTINUES WEST .3 MILES TO N. Rd. LEADING TO SHEEP CAMP ON NORTH SIDE (RIGHT)

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 38° 30' 07" N GPS Used?: *Yes* (*No*) If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 111° 58' 30" W GPS Datum: *NAD83 NAD27 WGS84 Other:*

Elevation (feet): 9000' **Landowner Details (Permission?):** USFS - ADM.

HABITAT DATA

VERY PRODUCTIVE POPULATION

Habitat, Associated Species & Ecological Site Descriptor: ASPEN / BIG SAGE ECOTONE; ASSOC. SPP: SYOR, CHVI, CREPIS ACCUMINATA, POFE PURSHIA TRIDENTATA, AMELANCHIER ALNIFOLIA, ERIOGONUM UMBELLATUM, LUPINUS ARGENTEUS, ERIOGONUM RACEMOSUM

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

Land Form: MONTANE PLATEAU - DRAINAGE DISSECTED; SAGE FLAT Slope°: 5°

Land Use: WILDLIFE HABITAT / SPRING SHEEP Aspect: *N NE E* (*SE*) *S SW W NW*

Geology: COLORADO PLATEAU / GREAT BASIN PLATES BOUNDARIES VOLCANIC UPLIFT

Soil Texture: (*Clay*) *Silt Sand Other:* LOAM Soil Color: VERY DARK GRAY BROWN HUE 10 YR; VALUE 3; CHROMA 2

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

1 bag

Family: ASTERACEAE **No. of Plants Sampled** (min. 50): 270

Genus: BALSAMORHIZA **No. of Plants Found** (approx.): 800

Species: SAGITTATA **Area Sampled** (acres): 5

Subspecies/Variety: —

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

Plant Habit: *Tree Shrub* (*Forb*) *Succulent Grass/Grasslike* Plant Height (feet): 2'

Native plant materials development and research this accession will be used for:
- RESEARCH
- SITE REHAB
- GERM PLASM STUDIES
- LONG TERM STORAGE

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): FLOWERS ARE SOLITARY, LOSE RAY FLOWERS WHEN SEEDS RIPEN. NO ACHENE PAPPUS

Common Name(s) of Plants: ARROW LEAF BALSAM ROOT

Photograph Taken: *Digital 35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): Where Image will be Filed:

Rec 8/14
1 white woven
8.460#

PRIORITY

Ext. Floor, West Racks

Seed Test/Packaging Record

SOS-UT933-104

BASA3-SOS-UT933-104-09
Balsamorhiza sagittata
arrowleaf balsamroot
BLMS 8.46 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	11/17/09 AC
OSU Sample Taken	# of pounds 2.29	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 96%
Moisture Content 5.6%
Seed Count 43,100

REMARKS

GERM — TZ OSU Strat Time: NC___ 4C ___ 8C ___ 13C ___

PURITY 99% or NOXIOUS WEED only ____

ENTERED

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.
						—	70°	26.6	5.6

X-Ray Results

96 % 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).

1.052 1.051 _____
_____ _____

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 / 1000 seed wt. (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 10.52 = 1000 seed wt.
Seeds per Pound = 43,100

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	2.360	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	2.360

beg. balance 2.360
WRPIS − .245#
New bal = 2.115#

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
11/17/09	1020		226-test	AC
		1055	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____