BALSAMORHIZA SAGITTATA SITE 2 - F.S. RD. JUNCTION = #68 & #85
BASA3

UT933-58
24-Oct-08

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: BEND, UCEPC

Date(s) Collected (DD/MM/YY): 30 07 08
Seed Collection Reference Number: UT933-58

Collector(s): GREENWOOD, MELINDA; ULLOA, MARIA

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

Location Details: BOX CREEK Rd., (F.S. ACCESS Rd. #69; TURN WEST (LEFT) AT JUNCTION WITH F.S. ACCESS Rd. #68 - CONTINUE WEST .5 miles TO JUNCTION OF F.S. Rd. #68 with #85. THE POPULATION IS ON BOTH SIDES OF THE Rd. AT JUNCTION

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 38°29'55" N
GPS Used?: *Yes* (*No*) If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 112° 00' 03" W
GPS Datum: *NAD83 NAD27 WGS84 Other:*

Elevation (feet): 9030'
Landowner Details (Permission?): USDA-USFS ADM

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: ASPEN - BIG SAGE ECOTONE; ASSOCIATED SPECIES: SYMPHIOCARPOS OREOPHILUS, CHRYSOTHAMNUS VICIDIFLORUS, CREPIS ACUMINATA, POFE, PURSHIA TRIDENTATA, AMELANCHIER ALNIFOLIA, ERIOGONUM UMBELLATUM, ERIOGONUM RACEMOSUM, LUPINUS ARGENTEUS

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

Land Form: MONTANE PLATEAU - DRAINAGE DISSECTED - SAGE FLAT
Slope°: 4°

Land Use: GRAZING - SHEEP, WILDLIFE
Aspect: *N NE E* (*SE*) *S SW W NW*

Geology: COLORADO PLATEAU / GREAT BASIN PLATES INTERFACE - VOLCANIC PLATEAU - LAVA FIELDS

Soil Texture: *Clay Silt Sand Other:* CLAY LOAM
Soil Color: VERY DARK GRAY BROWN

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

Family: ASTERACEAE
No. of Plants Sampled (min. 50): 150

Genus: BALSAMORHIZA
No. of Plants Found (approx.): 200

Species: SAGITTATA
Area Sampled (acres): 3

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:
- STUDY PLOTS
- RESEARCH
- REHABILITATION
- LONG-TERM STORAGE

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): LATE SEASON COLLECTING (AFTER MID-JULY) IS DIFFICULT SINCE SEED HEADS DROOP AND SPILL SEEDS TO THE GROUND. RODENTS AND BIRDS PREY ON SEEDS. LEAVES AFFLICT WITH POWDERY-MILDEW AFTER FLOWERING; HEAVILY GRAZED.

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:

2.296
.224
2,072

SOSUT-93308-28

BASA3-SOSUT-933-58-JCT68/85-08
Balsamorhiza sagittata
Arrowleaf Balsamroot
BLMS 2.07 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	4/15/09 AC
OSU Sample Taken	# of pounds	
	1.88g	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 89%
Moisture Content 4.8%
Seed Count 48,400

REMARKS ENTERED

GERM ____ TZ 054 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.
						—	71°F	21.6	4.8

X-Ray Results

89 % 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).

.948 .926 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

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 = 9.37 = 1000 seed wt.
Seeds per Pound = 48,400

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	.437	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.437

.235# PPMC ~10M PLS
.672

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
4-15-09	1450		226-test	AC
		1520	2270-pkg	AC

	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____