



Please use BLOCK CAPITALS

MSB Serial Number:

Please complete all the priority fields labeled in bold.

NRCS PLANTS Code: **ARCO9** ✓ *ole*

Please circle relevant descriptions shown in *italics*.

Date Collected (DD/MM/YY): **25/06/05** Seed Collection Reference Number: **UT930-BEND44**

Collector(s): **KATHERINE SEBASTIAN**

Country: **USA** Ecoregion: **UT-WYOMING ROCKIES** State: **UTAH** County: **SALT LAKE**

Location Details: **MILLCREEK CANYON AROUND EVERGREEN PICNIC AREA AND ELBOW FORK TRAIL**

Lat. (dg/min/sec): **N 40°/42/13** GPS Used?: Yes No If no, please see other side.

Long. (dg/min/sec): **W 111°/41/30** GPS Datum: NAD83 NAD27 WGS84 Other:

Elevation (feet): **~ 6800** Landowner Details (Permission?): **YES**

HABITAT DATA

Habitat & Associated Species: **NORTH TO N.W. FACING SLOPE, MIDMONTANE, SHADY FORREST AREA WITH SYMPHYOCARPOS OREOPHILUS, VIOLA ADUNCA, PAXISTMA MYRSINITES, CLEMATIS SP., AND VARIOUS CONIFER SPECIES.**

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

Land Form: **MIDMONTANE** Slope°: **20°-40°**

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

Geology:

Soil Texture: *Clay Silt Sand Other:* **LOAMY** Soil Color: **DARK BROWN**

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

Family: **ASTERACEAE** No. of Plants Sampled: **115**

Genus: **ARNICA** No. of Plants Found (approx.): **200**

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

Subspecies/Variety:

Seeds Collected From: Plants Ground Both

Plant Habit: *Tree Shrub Forb Succulent Grass/Grasslike* Plant Height (feet): **1.5**

Does the pressed specimen have the same reference as the seed collection?: Yes No

If not, enter details of collector, reference, where lodged, and date collected:

*Rec 7/18/05
1 cloth bag (lg)*

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

*0.120#
- .075

.045*

Common Name(s) of Plants: **Heartleaf arnica**

Photograph Taken: Digital 35mm Reference: **ARNICA CORDIFOLIA 6/25/05** Where Image will be Filed: **RED BUTTE**

10 card

SOSUT-93005-04

ARCO9-SOSUT-930-BEND44-05
 Arnica cordifolia
 Heartleaf Arnica
 SNWC 045 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	1	1-4-06
OSU Sample Taken	# of pounds	AC
	0	
Sample Sent	Y / (N)	

Test Results: Both Inhouse and/or OSU		REMARKS
100 Seed X-ray	90	ENTERED
Moisture Content		
Seed Count	477,470	
GERM ___ TZ ___	Strat Time: NC ___ 4C ___ 8C ___ 13C ___	
PURITY 93 or NOXIOUS WEED only ___		

MOISTURE CONTENT (use one of two methods below)					
Dole Meter			**Moisture Analyzer**		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.

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 all Impurities: 007 gms
Wt. Of Impurities:	Wt. Of Clean Seed 095 gms
* Crops _____ gms	TOTAL (Impurities + Clean Seeds) 0102 gms
* Inerts 007 gms	Percent Purity = $\frac{\text{Wt. Of clean seeds}}{\text{Wt. Of Total}} \times 100 = 93\%$
* Weeds _____ gms	
* Noxious _____ gms	

SEEDS PER POUND	***NOTE: If difference between max and min is less than 10% of average of samples, data is acceptable.
Weight to three decimal places, when possible	
Wt. Of 5 reps of 100 seeds each (in grams).	Difference between max & min wt. _____ 10% of average _____
0.095	

TOTAL of ALL Reps _____	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$
Average _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = 0.95 = 1000 seed wt.
	Seeds per Pound = 477,470

FINAL PACKAGING for Seed Storage/Transfer			
	Bag Wt.	Bag #	Bag Wt.
Bag # 1	0.011		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL WT.			0.011

Transaction Fee	SEED TRANSFER Log Number		
ENTERED			
Seedbank Location			
Date	Wt. Shipped	Ship via	Purpose/Remarks

DATE	Start	Stop	Process	Initials
1-4-06	1010		226-test	AC
		1030	2270-pkg	AC

yes	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____ Inventory Card Y _____ NA