MSB Serial Number: _____
NCRS PLANTS Code: HEMI20
Storage Facility: BEND
Date Collected: 24 AUG 2009
Seed Collection Reference Number: NV030-277
Collector(s): Rivas,C; Koski, M
ASTERACEAE
Hemizonella minima

Country: United States **Ecoregion**: 12, Sierra Nevada
State: California **County**: Placer
City/Town/Park: # **Geographic Area**: Onion Creek
Location Details: take 80 W into cali, exit Donnor pass rd. and head towards the donnor campground, keep on Donnor pass until you get to Soda Springs road and turn left. Follow Soda Springs road until you get to dirt follow for approximately 4 miles to a meadow on left sid
Lat. (dg/min/sec): 39° 16' 27.306" N **Long. (dg/min/sec)**: 120° 21'31.457" W
GPS: WGS84
Landowner Details (Permission): Forest Service
Altitude: 1862 M
Associated Species: *Agrostis stolonifera,Perideridia sp.,Juncus sp.,Veratrum californicum,Lotus purshianus,Aster sp.,Carex praegracilis,Potentilla gracilis,Elymus glaucus,Mimulus moschatus var. moschatus,Navarretia intertexta,Allium sp.,Madia exigua,Sidalcea sp.,Trifolium lo*
Habitat: meadow, grass and forb dom. meadow
Modifying Factors: #
Land Form: Mountain meadow **Aspect**: 310 NW
Land Use: Recreation **Slope**: 4°
Geology: Andesite and Rholite
Soil: Sandy Loam
No. of Plants Sampled and Misc.: 600 plants sampled
No. of Plants Found: 50000
Area Sampled: 3 A
Seeds Collected From: seed - many individuals, plant
Description: Short perennial with sparse linear leaves, carpet-like in meadow. Minute yellow flowers.
Common Name(s): # opposite-leaved tarweed
Photograph (to be send electronically to SOS National Office) file name:
HEMI20-NV030-277-A,HEMI20-NV030-277-B,HEMI20-NV030-277-C
Identification
Rivas, C-BLM,8-24-09,In Field
Herbarium Vouchers
Does the pressed specimen have the same reference as the seed collection? Yes No
No. of Herbarium Vouchers: 4 vouchers

a. All herbarium duplicates will be sent to Kew to arrange labeling, verification and distribution (default).
b. One duplicate will be sent to _____ herbarium for verification, other duplicates will be sent by the collector to Kew to arrange labeling and distribution.
c. All herbarium duplicates will be sent to _____ herbarium that has agreed to arrange labeling, verification and distribution.

Rec 9/10

2 grs

1.450
- .300
1.150#

Seed Test/Packaging Record

SOS-NV030-277

HEMI-SOS-NV030-277-09
Hemizonella minima
opposite-leaved tarweed
BLMS 1.15 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 0	Date/Initials: 12/22/09 AC
OSU Sample Taken	# of pounds: .58g	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray: 96 1.
Moisture Content: 6.2 %
Seed Count: 159,700

REMARKS: ENTERED

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

PURITY 96 1- 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.
						—	70-	30-	6.2

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 .123 gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: .123 gms
Wt. of Clean Seed 3.228 gms
TOTAL (Impurities + Clean Seeds) 3.351 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 96 %

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).

.285 .283 _____
_____ _____

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 = 2.84 = 1000 seed wt.
Seeds per Pound = 159,700

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	.124	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.124

ENTERED

beg bal .124
WR PLS .069 ~10,000 PLS
New bal = .055

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
12-22-09	1420		226-test	AC
		1500	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____