

SEEDS



OF SUCCESS

MSB Serial Number: _____
NCRS PLANTS Code: ERUM
Storage Facility: Bend
Date Collected: 28 SEP 2009
Seed Collection Reference Number: NV030-287
Collector(s): Koski, M., Miceli, D., Rivas, C.
POLYGONACEAE
Eriogonum umbellatum

Country: United States

Ecoregion: 11, Great Basin

State: Nevada

County: Douglas

City/Town/Park: #

Geographic Area: Pine Nut Mountains

Location Details: Take Pine Nut Road east from HWY 395 up Burbank Canyon. Collection site on North side of canyon near established campsite in Mountain Mahogany grove.

Lat. (dg/min/sec): 38° 52' 36.84" N Long. (dg/min/sec): 119° 29' 33.212" W

GPS: NAD83

Landowner Details (Permission): BLM

Altitude: 2582 M

Associated Species: *Cercocarpus ledifolius*, *Artemisia tridentata*, *Symphoricarpos albus*, *Chrysothamnus sp.*, *Tetradymia canescens*, *Ribes cereum*

Habitat: dry rocky slope, non-mesic shrubs

Modifying Factors: #

Land Form: Slope

Aspect: 132

Land Use: recreation

Slope: 32°

Geology: quartz monzonite and granodiorite

Soil: 2.5YR 4/3 dry; 2.5YR 3/3 wet

No. of Plants Sampled and Misc.: #

No. of Plants Found: ca 350

Area Sampled: 3 A

Seeds Collected From: #, plant

Description: low shrub with green to pale green wooly leaves and ascending flower stalks. Flowers yellow-orange.

Common Name(s): #

Photograph (to be send electronically to SOS National Office) file name: ERUM-NV030-287-A,ERUM-NV030-287-B,ERUM-NV030-287-C

Identification

Rivas, C- BLM,9-28-09,in field

Herbarium Vouchers

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

No. of Herbarium Vouchers: 4 vouchers taken

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

Seed Test/Packaging Record

PRIORITY

SOS-NV030-287

ERUM-SOS-NV030-287-09
Eriogonum umbellatum
sulphur-flower buckwheat
BLMS 1.34 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	12/16/09
OSU Sample Taken	# of pounds	AC
	.589	
Sample Sent	Y/N	

Test Results: Both in-house and/or OSU

100 Seed X-ray	<u>84%</u>	REMARKS This seed looks very unhealthy under scope. shriveled, very buggy, drys. I couldn't begin to pick out all of the ones I thought were 'impurities'.
Moisture Content	<u>6.5%</u>	
Seed Count	<u>162,000</u>	
GERM	<u>—</u> TZ <u>OSU</u>	Strat Time: NC <u>—</u> 4C <u>—</u> 8C <u>—</u> 13C <u>—</u>
PURITY	<u>96%</u>	or NOXIOUS WEED only <u>—</u>

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.
							72	31.7	6.5

X-Ray Results

<u>84</u> % Filled
Results from <u>100</u> Seed X-Ray

PURITY (Use OSU sample chart to determine wt. of sample)

Wt. of Sample: _____ gms	Wt. of All Impurities: <u>.086</u> gms
Wt of Impurities: _____ gms	Wt. of Clean Seed <u>2.200</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>2.286</u> gms
• Inerts <u>.086</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{96} \%$
• Weeds _____ gms	
• Noxious _____ gms	

just bad looking target species. shriveled/Black/buggy

SEEDS PER POUND

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

.290 .270

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 = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.

2 x Total of 5 reps = 2.8 = 1000 seed wt.

Seeds per Pound = 162,000

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.219</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>.219</u>

beg. bal .219
WRPIS 10,000 -.077
NEW BAL = .142

SEED TRANSFER Log Number			
Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
<u>12-16-09</u>	<u>1300</u>		226-test	<u>AC</u>
		<u>1345</u>	2270-pkg	<u>AC</u>

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS _____