



MSB Serial Number: _____
NCRS PLANTS Code: _____
Storage Facility: Bend
Date Collected: 19 AUG 2009
Seed Collection Reference Number: NV030-269
Collector(s): Rivas, C.
ASTERACEAE
Achillea millefolium

Country: United States **Ecoregion:** 12, Sierra Nevada
State: California **County:** Alpine
City/Town/Park: Humboldt-Toiyabe National Forest **Geographic Area:** Monitor Pass
Location Details: Take hwy 89 east from markleeville up monitor pass. Park next to highway on dirt pull off. Collecting site is in the meadow on the right.
Lat. (dg/min/sec): 38° 39' 59" N **Long. (dg/min/sec):** 119° 40'02" W
GPS: NAD27

Landowner Details (Permission): National Forest Service
Altitude: 2208 M

Associated Species: *Poa secunda, Sidalcea sp., Achnatherum thurberianum, Artemisia sp., Perideridia spp., Chrysothamnus viscidiflorus, Elymus elymoides, Erigeron sp., Purshia tridentata, Achnatherum sp., Juniperus osteosperma, Lupinus sp., Pinus jeffreyi, Bromus tectorum, Symphoricarpos a*

Habitat: Grass Meadow, Grass, Forbs, Shrubs

Modifying Factors: None

Land Form: Meadow **Aspect:** 170, S

Land Use: Recreation **Slope:** 1°

Geology: Andesite and Rhyolite

Soil: Sandy Loam

No. of Plants Sampled and Misc.: 250 plants sampled

No. of Plants Found: ca 500

Area Sampled: 3 A

Seeds Collected From: seed - many individuals, plant

Description: White flowers, tri-pinnate leaves, Height: 1'

Common Name(s): Yarrow

Photograph (to be send electronically to SOS National Office) file name:

ACMI2-NV030-269-A, ACMI2-NV030-269-B, ACMI2-NV030-269-C

Identification

Robinson - A. BLM, In Field ,8/19/09

Herbarium Vouchers

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

No. of Herbarium Vouchers: 4 vouchers taken

- 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.

3/5
lgroc
1.122
- 0.150
0.972#

Seed Test/Packaging Record

SOS-NV030-269

ACMI2-SOS-NV030-269-09
 Achillea millefolium
 common yarrow
 BLMS .97 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags 0	Date/Initials 12/30/09 AC
OSU Sample Taken	# of pounds .04g	
Sample Sent	Y/N Y	

Test Results: Both in-house and/or OSU

100 Seed X-ray	90%	REMARKS ENTERED
Moisture Content	5.1%	
Seed Count	3,024,000	
GERM	—	TZ OSU Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	98%	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°	23.1	5.1

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: <u>-004</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>-18</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>.184</u> gms
• Inerts <u>.004</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>98</u> %
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.017 .016 .015

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 = $\frac{453600}{1000}$ (453.6 grams = 1 pound)

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

2 x Total of 5 reps = $\frac{.15}{2} = 1000$ seed wt.
 Seeds per Pound = 3,024,000

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.072</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>.072</u>

beg. bal. .072
 WRPIS - .004 # 10,000
 New Bal -068

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
<u>12-30-09</u>	<u>1215</u>		226-test	<u>AC</u>
		<u>1300</u>	2270-pkg	<u>AC</u>

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook Computer NMIS _____