

Use BLOCK CAPITALS

MSB Serial Number:

Complete all fields.

NRCS PLANTS Code:

Circle relevant descriptions shown in *italics*.

Cleaning Facility:

Date(s) Collected (DD/MM/YY): 15/06/09-16/06/09

Seed Collection Reference Number: NV040-003

Collector(s): Gust, G.

Country: USA

Ecoregion (T.O.B):

Central Basin and Range, 13

State: NV

County: Lincoln

Location Details:

Wilde Horse Valley. Just southwest of Murphy's Gap in Cold Springs Wash, ~0.2mi south of intersection with Mail Summit Road on Cold Spring Road. Population along both sides of road.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N):

37°47'05.5" N

GPS Used?:

 Yes No

If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W):

115°26'39.1" W

GPS Datum:

 NAD83 NAD27 WGS84 Other:

Elevation (feet):

5842ft

Landowner Details (Permission?):

BLM Ely District

## HABITAT DATA

Habitat, Associated Species &amp; Ecological Site Descriptor:

*Artemisia tridentata-Hesperostipa comata* codominated with *Elymus elymoides*, *Achnatherum hymenoides*, *Eriogonum villiflorum*, *Sphaeralcea ambigua*, *Mentzelia albicaulis*, *Chrysothamnus viscidiflorus*, *Erigeron* sp., *Pleuraphis jamesii*, *Bouteloua curtipendula*, *Erigeron concinnus*. Ecological site 029XY006NV

Modifying Factors:

*Mowed Burned Grazed Flooded Seeded Trampled Other:*

Land Form:

Fan remnants

Slope°:

4°

Land Use:

Grazing, recreation, roadside

Aspect:

N  NE  E  SE  S  SW  W  NW

Geology:

Welded tuft alluvium

Soil Texture:

*Clay Silt Sand*  *Other: Sandy loam (10%clay)*

Soil Color:

10YR 6/3dry 10YR 3/3moist

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

Family:

Poaceae

No. of Plants Sampled (min. 50):

2500

Genus:

*Hesperostipa*

No. of Plants Found (approx.):

&gt;50,000

Species:

*comata*

Area Sampled (acres):

8 Acres

Subspecies/Variety:

*ssp. comata*

Seeds Collected From:

 *Plants* *Ground* *Both*

Plant Habit:

 *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike*

Plant Height (feet):

2.5 ft

Native plant materials development and research this accession will be used for:

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

Specimens fruiting. Awns contorted proximally.

Common Name(s) of Plants:

Needle and thread

Photograph Taken:

 *Digital*

35mm

Reference  
(PLANTS Code\_Coll.  
Number\_Pic. No.):HECOC\_NV040-  
003\_A→N

Where Image will be Filed:

NV040 and ENLC

# Seed Test/Packaging Record

**SOS-NV040-003**

HECOC8-SOS-NV040-003-09  
 Hesperostipa comata spp. comata  
 needle & thread  
 BLMS 2.5 P

## PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	2-18-10
OSU Sample Taken	# of pounds	AC
	1.38g	
Sample Sent	Y/N	
	(Y)	

## Test Results: Both in-house and/or OSU

100 Seed X-ray	96%	REMARKS "Looks good." not many broken seed (which is sometimes typical w/this species)
Moisture Content	6.6%	
Seed Count	66,700	
GERM	TZ OSU	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.
								33.3	6.6

## 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 All Impurities: _____ gms
Wt of Impurities:	Wt. of Clean Seed _____ gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> _____ gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \sim 99\%$
• Weeds _____ gms	
• Noxious _____ gms	

## SEEDS PER POUND

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

.682 .678 \_\_\_\_\_  
 \_\_\_\_\_  
 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 = 6.80 = 1000 seed wt.

Seeds per Pound = 66,700

## FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1			
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			.758

beg bal .758  
 WRPIS - .159#(10,000)  
 New bal .599

## SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
2-18-10	1520		226-test	AC
		1555	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook  Computer NMIS \_\_\_\_\_