

Vinita Shea

Lewistown BLM 920NE Main St Lewistown, MT 59457

APPENDIX 2. BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 25 June 2003)

Please use BLOCK CAPITALS

MSB Serial Number:

Please complete all the priority fields labeled in bold

NRCS PLANTS Code:

Please circle relevant descriptions shown in italics.

KRLA2

Date Collected (DD/MM/YY): 8/17/05

Seed Collection Reference Number: MT060-017

Collector(s): Andrew Giunta

Country: USA Ecoregion: N. Great Plains steppe State: MT County: Petroleum

Location Details: From Lewistown go 87E to Grass Range, cont. straight (Hwy 200 E) to Winnet 25 mi. from grass range to Winnet. Go past Winnet for 11 mi. on right side of road is gravel turn off, go through gate turn right onto two track dirt rd. Follow for 3 n over small steep hill. On left through drainage way is lone cottonwood, winter fat is on hill above it. (dg/min/sec): N 46.98846 GPS Used?: Yes No If no, please see other side.

Long. (dg/min/sec): W 108.09332

GPS Datum: NAD83 NAD27 WGS84 Other:

Elevation (feet): 2810

Landowner Details (Permission?): Yes BLM

HABITAT DATA

Habitat & Associated Species: Open prairie hilltop: Stipa comata, Opuntia spp., Carex filifolia, Artemisia frigida, Yucca glauca, Bouteloua gracilis, Artemisia tridentata, Eriogonum paciflorum, Oryzopsis hymenoides, Rhus trilobata

Modifying Factors: Mowed Burned Grazed Flooded Seeded Trampled Other:

Land Form: Prairie hilltop / slope

Slope: 7

Land Use: Grazing, recreation

Aspect: N NE E SE S SW W NW

Geology: Bearpaw formation: shale bedrock

Soil Texture: Clay Silt Sand Other:

Soil Color: 2.5 Y 4/4 olive brown

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

Family: Chenopodiaceae

No. of Plants Sampled: 179

Genus: Krascheninnikovia

No. of Plants Found (approx.): 535

Species: lanata

Area Sampled (acres): 7.5

Subspecies/Variety:

Seeds Collected From: Plants Ground Both

Plant Habit: Tree Shrub Forb Succulent Grass/Grasslike

Plant Height (feet): .9

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

4 cloth

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

0.791# .140 PC 8/24

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

TZ

ID card

Common Name(s) of Plants: winter fat

Photograph Taken: Digital 5mm Reference:

Where image will be filed:

406-538-1900

# Seed Test/Packaging Record

KRLA2-SOSMT-060-017-05  
 Krascheninnikovia lanata  
 winterfat  
 SNWC 65 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags 3	Date/Initials 11-30-05
OSU Sample Taken	# of pounds 0	Lot is too small
Sample Sent	Y / (N)	

Test Results: Both Inhouse and/or OSU		
100 Seed X-ray	96	REMARKS Some of seed is green, shriveled, small.
Moisture Content		
Seed Count	265,260	
GERM	TZ	Strat Time: NC 4C 8C 13C
PURITY ~99 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
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) _____ gms</b>
* Inerts _____ gms	Percent Purity = $\frac{\text{Wt. Of clean seeds}}{\text{Wt. Of Total}} \times 100 = \underline{\sim 99} \%$
* 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).	
<u>1.71</u>	Difference between max & min wt. _____ 10% of average _____
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-----	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$
TOTAL of ALL Reps _____	To calculate M seed wt, take Total of 5 samples times 2.
Average _____	2 x Total of 5 reps = $\frac{1.71}{2} = 1000 \text{ seed wt.}$
	Seeds per Pound = <u>265,260</u>

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	0.004		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL WT.			0.004

POSTED

Transaction Fee: _____
Seedbank Location _____

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

DATE	Start	Stop	Process	Initials
11-30-05	1430		226-test	AC
		1450	2270-pkg	AC

<input checked="" type="checkbox"/>	ID card file sample
<input type="checkbox"/>	Regional Office ID file