HECO26 WILLOW CREEK DRILL PAD (5) Date BG-Base

BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 16 April 2008)

Accession Date: 8/5/09

Use BLOCK CAPITALS
Complete all fields.
Circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code: HECO26
Cleaning Facility: BEND

Date(s) Collected (DD/MM/YY): 22 06 09 **Seed Collection Reference Number:** UT933-86

Collector(s): M. GREENWOOD, E. POIRSON, A. HOWE

Country: USA Ecoregion (I, O, B): 19 State: UTAH County: SEVIER

Location Details: HIWAY 89, Ca 3.5 mi N. of SALINA, R. (E.) ON WILLOW CREEK ROAD, GO 1.5 mi. TO RIGHT TURN - TAKE RIGHT & GO Ca 4 mi to SECOND ABANDONED DRILL PAD. POPULATION IN SWALE JUST BELOW PAD, EAST SIDE

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 38°58'28.60" N GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 111°48'28.18" W GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 5912' Landowner Details (Permission?): BLM ADM.

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: PINYON-JUNIPER WOODLAND / VALLEY STEPPE ECOTONE: POA SECUNDA, BRTE, ACHY, STORKS-BILL GERANIUM SALSOLA KALI, CHRYSOTHAMNUS CHNA, SENECIO LONGILOBUS, MALKOLMIA, PIED, JUOS. FIRE-RELEASED SEED

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other:* DISTURBED - DRILLING ACTIVITY

Land Form: VOLCANIC / SEDIMENTARY MUD FLOES INTO SHALE Slope°: 33°

Land Use: GRAZING - WILDLIFE / OIL SHALE EXPLORATION Aspect: *N* *NE* *E* *SE* *S* *SW* *W* *NW*

Geology: COLORADO PLATEAU SEDIMENTARY / IGNEOUS ORIGIN ARAPIEN SHALE - UPWARPED SEDIMENTS

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color: ARIDISOL - PALE BROWN. HUE 10 YR; VALUE 5, CHROMA 3

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

3 bags

Family: POACEAE **No. of Plants Sampled** (min. 50): 375

Genus: HESPEROSTIPA **No. of Plants Found** (approx.): > 5000

Species: COMATA **Area Sampled** (acres): 2

Subspecies/Variety:

Seeds Collected From: *Plants* *Ground* *Both*

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 2

Native plant materials development and research this accession will be used for: CULM DIFFERENTIAL MATURATION
TOP = SHATTERED LOWER = IMMATURE
MID = RIPE CARYOPSIS

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species):
- LONG TERM STORAGE
- GERM PLASM STUDIES
- SITE REHABILITATION
- GENERAL RESEARCH

Common Name(s) of Plants: NEEDLE & THREAD GRASS

Photograph Taken: *Digital* *35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): Where Image will be Filed:

Rec 8/14

3 white wovens
3 tags
7.930#

Ext. Floor
West Racks

√ in 10/8

SOS-UT933-86

HECO26-SOS-UT933-86-09
Hesperostipa comata
needle & thread
BLMS 7.93 P

Seed Test/Packaging Record

Bad Seed

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 0	Date/Initials: 4-7-10 AC
OSU Sample Taken	# of pounds: 1.3g	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

100 Seed X-ray: 95
Moisture Content: 6.2
Seed Count: 73,300

REMARKS: ENTERED

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

PURITY 93 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.
						—	—	30.2	6.2

X-Ray Results

95 % 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 .288 gms
- Weeds _____ gms
- Noxious _____ gms

some are broken seed + some of those could germinate

Wt. of All Impurities: .288 gms
Wt. of Clean Seed 3.762 gms
TOTAL (Impurities + Clean Seeds) 4.05 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 93 %

SEEDS PER POUND

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

.627 .589 _____
_____ _____

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 = 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 = 6.18 = 1000 seed wt.
Seeds per Pound = 73,300

FINAL PACKAGING for Seed Storage/Transfer

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

ENTERED

beg bal .073
WRPIS ALL ~ 4,700
New bal 0

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
4-7-10	0920		226-test	AC
		0955	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook _____ Computer NMIS_____