BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 19 May 2009)

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

MSB Serial Number:
NRCS PLANTS Code: TESP2
Cleaning Facility: Bend, OR

Date(s) Collected (DD/MM/YY): 23/06/09
Seed Collection Reference Number: ID931-109

Collector(s): Olin Scott Taylor and Matt Knochel

Country: USA **Ecoregion (T,O,B):** O-12 **State:** Idaho County: Owyhee

Location Details: From Grandview, Idaho, 5 miles northwest on Highway 78. Turn left (south) on Missile Base Road. Go ~6.5 miles down Missile Base Road. Plants on both side of road.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 42°55'58.87"N GPS Used?: ***Yes*** *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): -116°13'3.12"W GPS Datum: ***NAD83*** *NAD27* *WGS84* *Other:*

Elevation (feet): 3055.4 Landowner Details (Permission?): Bureau of Land Management (yes)

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Chalky bluffs. Associated with *Tetradymia glabrata, Atriplex canescens, Artemesia spinescens, Oryzopsis hymenoides*

Modifying Factors: *Mowed* *Burned* ***Grazed*** *Flooded* *Seeded* *Trampled* *Other:*

Land Form: Bluffs Slope°: 1°

Land Use: Grazing Aspect: *N* *NE* *E* *SE* *S* *SW* *W* ***NW***

Geology:

Soil Texture: ***Clay*** *Silt* *Sand* *Other:* Soil Color: Munsell 2.54 7/2

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

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

Genus: Tetradymia **No. of Plants Found (approx.):** 75

Species: spinosa **Area Sampled (acres):** 3

Subspecies/Variety:

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

Plant Habit: *Tree* ***Shrub*** *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 1.5-2.5 feet

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

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Gummy odor, yellow flowers, spiny grayish/white stems

Common Name(s) of Plants: Shortspine horsebrush

Photograph Taken: *Digital* Reference (PLANTS Code_Coll. Number_Pic. No.): TESP2_ID931-109_1 Where Image will be Filed: Idaho State Office

PRIORITY 1/15/10

Seed Test/Packaging Record

PRIORITY

SOS-ID931-109

TESP2-SOS-ID931-109-09
Tetradymia spinosa
shortspine horsebrush
BLMS .53 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	1	5/17/10 LAD
OSU Sample Taken	# of pounds 0.578g	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

ENTERED

100 Seed X-ray ~88%
Moisture Content 6.2%
Seed Count 180,573

REMARKS

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.
							71.6	30.6	6.2

X-Ray Results

~88 % Filled

Results from 97 Seed X-Ray

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

Wt. of Sample: 0.520 gms
Wt of Impurities:
- Crops ____ gms
- Inerts 0.002 gms
- Weeds ____ gms
- Noxious ____ gms

Wt. of All Impurities: 0.002 gms
Wt. of Clean Seed 0.519 gms
TOTAL (Impurities + Clean Seeds) 0.521 gms

Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 99.6 %

SEEDS PER POUND

** NOTE: If difference between max and min is less than 10% of the average samples, data is acceptable

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

0.244 0.245 0.261
0.249 0.257
TOTAL of ALL Reps: 1.256
Average: 0.251

Difference between max & Min wt. _____ 10% of average _____

NOTE: Seeds/Pound = 453600 (453.6 grams = 1 pound)
1000 seed wt.

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 2.512 = 1000 seed wt.
Seeds per Pound = 180,573

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.010	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	0.010

begin bal 0.010#
WRPIS 0.010# ~1,583 PLS
0

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
5/17/10	1245	1340	226-test	LAD
			2270-pkg	

5/17/10	LAD	ID card file sample
5/17/10	LAD	Inventory Card Completed

POSTED TO: Lot Completion Logbook 5/17/10 LAD Computer NMIS_____