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

Please use BLOCK CAPITALS
Please complete all the priority fields labeled in **bold**
Please circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code: PENST ok

Date Collected (DD/MM/YY): 19/07/05 **Seed Collection Reference Number:** MT060-07

Collector(s): Lucero Beebe-Giudice, Nikolas Anderson, Andrew Giunta

Country: USA **Ecoregion:** N. plains/s tepp **State:** MT **County:** Fergus

Location Details: 87 East out of Lewistown 30 mi. to Grass Range. ~~Turn southeast/right~~ at the fourway stop. Go 1.7 mi. Turn left onto Elk Creek Rd.(Old Winnet Hwy). In 7.9 mi. turn right onto Yellow Water.

Lat. (dg/min/sec): N 46 51.443' **GPS Used?:** ~~Yes~~ XXX *No* If no, please see other side.

Long. (dg/min/sec): W 108 31.675' **GPS Datum:** ~~*NAD83*~~ XXXXXX *NAD27 WGS84 Other:*

Elevation (feet): 3459' **Landowner Details (Permission?):** BLM, yes

HABITAT DATA

Habitat & Associated Species: Plains on downward slope into coulee. Artemisia tridentata, A. frigida, Hesperostipa comata, H. viridula, Sarcobatus vermiculatus, Bouteloua gracilis Rosa woodsii, Opuntia spp., Phlox hoodii, Symphocarpus occidentalis, Agropyron picatum, Vicia americana, Melilotus officinale, Eriogonum spp.

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

Land Form: slope/coulee **Slope°:** 0-45

Land Use: grazing, recreation **Aspect:** *N NE E SE S SW* ~~W~~ XXX *NW*

Geology: shale bedrock

Soil Texture: *Clay* ~~Silt~~ XXXX *Sand Other:* **Soil Color:** 10YR 5-2

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

Family: Scrophalareaceae **No. of Plants Sampled:** 108

Genus: Penstamon Penstemon **No. of Plants Found (approx.):** 108

Species: ??? **Area Sampled (acres):** 1280

Subspecies/Variety:

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

Plant Habit: *Tree Shrub* ~~*Forb*~~ XXX *Succulent Grass/Grasslike* **Plant Height (feet):** .30-.5

Does the pressed specimen have the same reference as the seed collection?: *Yes No* Rec 7/25/05 Symbol in NRCS

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

0.590
-.070
0.520

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

Common Name(s) of Plants: beard tongue

Photograph Taken: *Digital 35mm* **Reference:** **Where Image will be Filed:**

Seed Test/Packaging Record

SOSMT-06005-06

PENST-SOSMT-060-07-05
Penstemon spp.
beardtongue
SNWC .52 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags ~2	Date/Initials 11-30-05 AC
OSU Sample Taken	# of pounds .38g	
Sample Sent	(Y) N	

Test Results: Both Inhouse and/or OSU

100 Seed X-ray 91 %
Moisture Content
Seed Count 250,600

REMARKS: POSTED

GERM ___ **TZ** OSU **Strat Time:** NC ___ 4C ___ 8C ___ 13C ___

PURITY 98 **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

91 % 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 .006 gms
* Weeds ____ gms
* Noxious ____ gms

Wt. Of all Impurities: .006 gms
Wt. Of Clean Seed .36 gms
TOTAL (Impurities + Clean Seeds) .366 **gms**
Percent Purity = (Wt. Of clean seeds) / (Wt. Of Total) X 100 = 98 %

SEEDS PER POUND

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

.184 .177 ---------- ----------

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TOTAL of ALL Reps _____
Average .181

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

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

NOTE: Seeds/Pound = 453600 / 1000 seed wt.

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

2 x Total of 5 reps = 1.81 = 1000 seed wt.

Seeds per Pound = 250,600

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.116	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL WT.	0.116

Transaction Fee: _____

POSTED

Seedbank Location

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose/Remarks

DATE	Start	Stop	Process	Initials
11-30-05	1305		226-test	AC
		1330	2270-pkg	AC

_____	ID card file sample
_____	Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ **Computer NMIS** _____ **Inventory Card** ✓ **Y** ___ **NA**