



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

MSB Serial Number:
 NRCS PLANTS Code:
 Cleaning Facility:

Date(s) Collected (DD/MM/YY): Seed Collection Reference Number:

Collector(s):

Country: Ecoregion (T,O, B): State: County:

Location Details:

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

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

Elevation (feet): Landowner Details (Permission?):

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor:

Modifying Factors:

Land Form: Slope°:

Land Use: Aspect:

Geology:

Soil Texture: Soil Color:

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

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

Genus: No. of Plants Found (approx.):

Species: Area Sampled (acres):

Subspecies/Variety:

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

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

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):

Common Name(s) of Plants:

Photograph Taken: Reference (PLANTS Code, Coll. Number, Pic. No.): Where Image will be Filed:

PRE-COLLECTION CHECKLIST

(Check box to right if condition indicated by **boldface** is met or is the most frequently occurring condition.)

Assess Population & Seed Dispersal Stage			
Approximate area of population:	400 x 500	(feet, yards, miles.....)	
Approximate total number of individual plants present and accessible:	0-50	50-500	<u>500-5000</u> > 5000
Evidence of disturbance or damage:	Resown	Burnt	Sprayed <u>No damage</u>
Readiness of population for collecting: give percentages or circle the most frequently occurring:	Vegetative In flower Immature seeds <u>Around natural dispersal</u> Post dispersal		
Estimate the number of individual plants at natural dispersal stage:	<50	<u>>50</u>	
Is the population:	<u>A single population</u> A population with distinct sub-populations (Can you sample separately or from the most suitable?)		

Assess Seed Quality & Availability			
On a typical individual, where on the plant/branch/fruit is the seed at natural dispersal stage:	<u>Recognized</u>		
Using a cut test on the seeds at this stage, give percentages or circle the most frequently occurring:	<u>Healthy</u> Insect-damaged Empty Moldy Malformed/other damage		
Estimate the number of healthy seeds per fruit:			
Estimate the number of fruits per individual plant:			

Should Seed Be Collected On This Trip?	
Using the above information, if you only collect 20% of the healthy seeds available today, will this result in a collection of <u>>10,000</u> healthy seeds?	

OTHER DATA

If GPS was not used, please state method of obtaining lat. and long.: Altimeter Map

Map Publisher: _____

Series: _____ Scale: _____

Map Coordinates: _____ Map Date (DD/MM/YY): _____

Herbarium voucher specimens:

Number of Pressed Specimens: 2 3 4 or more Date Voucher Was Taken (DD/MM/YY): 14/05/2008

Circle one:

- a. All Herbarium duplicates will be sent to Kew to arrange labeling, verification and distribution (default)
- b. One duplicate will be sent to _____ herbarium for verification, other duplicates will be sent by the collector to Kew to arrange labeling and distribution.
- c. All Herbarium duplicates will be sent to _____ herbarium that has agreed to arrange labeling, verification and distribution.
- d. **A herbarium voucher has been sent to the National Herbarium at the Smithsonian, and the remaining will be distributed by the UT931 collecting team to regional herbaria: BYU, UofU.**

By default, besides any herbaria mentioned above, one specimen will be sent to Kew and one to the Smithsonian. If you would like to request that additional specimens be sent to regional and/or local herbaria, please fill in the following information:

Regional Herbarium:	Stanley L Welsh Herbarium Brigham Young Univ. 378-MLBM Provo, UT 84602	Local Herbarium:	Garrett Herbarium (UT) Utah Museum of Natural History University of Utah 1390 E. Presidents Circle, Rm. 102 Salt Lake City, Utah 84112-0050 U.S.A.
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If collection has been identified by a specialist, please complete sections below:

Material Identified: In Field From Pressed Specimen on Day of Collection
From Pressed Specimen on Another Date From Photograph

Date identified (DD/MM/YY): _____

Identified by: _____ Organization: _____

SOSUT-93108-05

ENVI-SOSUT-931-107-08
 Encelia virginensis
 Virgin River brittlebush
 BLMS .61 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags ~2	Date/Initials 1/27/09 AC
OSU Sample Taken	# of pounds .45g	
Sample Sent	Y/N Y	TZ

Test Results: Both in-house and/or OSU

100 Seed X-ray Moisture Content Seed Count	93% 4.4% 202,500	REMARKS ENTERED
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.
							72°	17.3%	4.4

X-Ray Results

93 % 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: _____ gms	Wt. of Clean Seed _____ gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) _____ 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).

.217 .227

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 = 2.24 = 1000 seed wt.
 Seeds per Pound = 202,500

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	.063		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			.063

OK
 ✓ ID card needed
 ✓ 10M to PPMC .054# wt.

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

DATE	Start	Stop	Process	Initials
1/27/09	1310		226-test	AC
		1345	2270-pkg	AC

OK	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS