

Use BLOCK CAPITALS

MSB Serial Number:

Complete all fields.

NRCS PLANTS Code: Circle relevant descriptions shown in *italics*.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:

 Digital 35mmReference
(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:	1	x	1	(feet, yards, miles)
Approximate total number of individual plants present and accessible:	0-50	50-500	500-5000	> 5000
Evidence of disturbance or damage:	<i>Resown</i>	<i>Burnt</i>	<i>Sprayed</i>	<u>No damage</u>
Readiness of population for collecting: give percentages or circle the most frequently occurring:	<i>Vegetative</i>	<i>In flower</i>	<i>Immature seeds</i>	<u>Around natural dispersal</u> <i>Post dispersal</i>
Estimate the number of individual plants at natural dispersal stage:	<50	<u>>50</u>		
Is the population:	<u>A single population</u> <i>A population with distinct sub-populations (Can you sample separately or from the most suitable?)</i>			
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>	<i>Insect-damaged</i>	<i>Empty</i>	<i>Moldy</i> <i>Malformed/other damage</i>
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? yes				

OTHER DATAIf GPS was not used, please state method of obtaining lat. and long.: Map Publisher: Series: Scale: Map Coordinates: Map Date (DD/MM/YY): **Herbarium voucher specimens:**Number of Pressed Specimens: Date Voucher Was Taken (DD/MM/YY):

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.

If collection has been identified by a specialist, please complete sections below:

Material Identified:

Date identified
(DD/MM/YY):Identified by: Organization:

Seed Test/Packaging Record

SOSUT-93108-15

SPAI-SOSUT-931-123-08
Sporobolus airoides
alkali sacaton
BLMS .07 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags ~4	Date/Initials 2/12/09
OSU Sample Taken	# of pounds -028g	
Sample Sent	Y/N (Y)	TZ

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	601-	ENTERED
Moisture Content	4.5	
Seed Count	3,360,000	
GERM <u> </u> TZ <u>OSU</u> Strat Time: NC <u> </u> 4C <u> </u> 8C <u> </u> 13C <u> </u>		
PURITY <u>95</u> % or NOXIOUS WEED only <u> </u>		

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.
							68°	20%	4.5

X-Ray Results
60 % 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: <u>.004</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>.074</u> gms
• Crops _____ gms	TOTAL (Impurities + Clean Seeds) <u>.078</u> gms
• Inerts <u>.004</u> gms <i>insect damage empties (dead) insects</i>	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{95} \%$
• Weeds _____ gms	
• Noxious _____ gms	

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).	Difference between max & Min wt. _____ 10% of average _____
<u>.013</u> <u>.014</u> _____	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
TOTAL of ALL Reps: _____	To calculate M seed wt, take Total of 5 samples times 2.
Average: _____	2 x Total of 5 reps = <u>.135</u> = 1000 seed wt.
	Seeds per Pound = <u>3,360,000</u>

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.011</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>.011</u>

✓ 10 card needed
10 M to PPMC _____ wt.
NO - wait TZ results

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

DATE	Start	Stop	Process	Initials
2-12-09	1435		226-test	AC
		1515	2270-pkg	AC

✓	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook _____ Computer NMIS _____