

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): 15/09/09

Seed Collection Reference Number: UT931-154

Collector(s): THOMAS MCDONOUGH

Country: USA

Ecoregion (T,O,B): WASATCH

State: UT

County: SALT LAKE

Location Details: SUMMIT OF MOUNTAINS ON STATE ROUTE 152, BIG COTTONWOOD CANYON UTAH.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 40° 36.3883' N GPS Used?: Yes No If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 111° 33.2996' W GPS Datum: NAD83 NAD27 WGS84 Other:

Elevation (feet): 9855 FT

Landowner Details (Permission?): USDA NATIONAL FOREST

## HABITAT DATA

Habitat, Associated Species &amp; Ecological Site Descriptor: ROCKY WINDSWEPT SUMMIT CLEARING, GERANIUM VISCOSISIMUM, ERIOGONUM UMBELLATUM

Modifying Factors: Mowed Burned Grazed Flooded Seeded Trampled Other:

Land Form: MOUNAIN SADDLE

Slope°: 15°

Land Use: NONE, RECREATION

Aspect: N NE E SE S SW W NW

Geology: KEETLEY VOLCANICS ANDESITE, THAYNES FORMATION SEDIMENTARIES

Soil Texture: Clay Silt Sand Other: ROCKY

Soil Color: LIGHT BROWN

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

Family: ASTERACEAE

No. of Plants Sampled (min. 50): 200

Genus: TONESTUS

No. of Plants Found (approx.): 1000+

Species: KINGII

Area Sampled (acres): 0.25

Subspecies/Variety:

Seeds Collected From: Plants Ground Both

Plant Habit: Tree Shrub Forb Succulent Grass/Grasslike

Plant Height (feet): 2.5FT

Native plant materials development and research this accession will be used for: RESTORATION, RESEARCH, AND LONG-TERM STORAGE

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

Common Name(s) of Plants:

KING'S SERPENTWEED ✓ q ✓ W

Photograph Taken: Digital 35mm

Reference (PLANTS Code, Coll. Number, Pic. No.):

TOKI\_UT931  
-154\_A,B,C

Where Image will be Filed:

RED BUTTE  
GARDEN

SOS-UT931-154

TOKI-SOS-UT931-154-09  
Tonestus kingii  
king's serpentweed  
BLMS .13 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	0	4-28-10
OSU Sample Taken	# of pounds	AC
	.536g	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU

100 Seed X-ray	87%	REMARKS 
Moisture Content	5.3%	
Seed Count	169,800	
GERM	— TZ <u>osu</u>	Strat Time: NC ___ 4C ___ 8C ___ 13C ___
PURITY	95	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.
								24.2	5.3

X-Ray Results

87 % 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>.048</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>1.06</u> gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>1.108</u> gms
• Inerts <u>.048</u> gms <i>most = insect damage</i>	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 =$ <u>95</u> %
• Weeds _____ gms	
• Noxious _____ gms	

SEEDS PER POUND

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

.265 .268 \_\_\_\_\_

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 =  $\frac{453600}{1000}$  (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.  
2 x Total of 5 reps =  $\frac{2.67}{2} = 1000$  seed wt.  
Seeds per Pound = 169,800

FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1			
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			<u>.020</u>

beg bal .020  
WRPIS ALL ~ 2,800  
New bal 0

SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
4-28-10	1200		226-test	AC
		1235	2270-pkg	AC

<input checked="" type="checkbox"/>	ID card file sample
<input checked="" type="checkbox"/>	Inventory Card Completed

POSTED TO: Lot Completion Logbook  Computer NMIS \_\_\_\_\_