

SEEDS



OF SUCCESS

MSB Serial Number: \_\_\_\_\_  
 NCRS PLANTS Code: \_\_APCA\_\_\_\_\_  
 Storage Facility: Bend  
 Date Collected: 14 SEP 2009  
 Seed Collection Reference Number: NV030-285  
 Collector(s): McCoy-Sulentic, M., Mausert-Mooney, C., Robinson, A., Koski, M.  
**APOCYNACEAE**  
*Apocynum cannabinum*

Country: United States                      Ecoregion: 11, Great Basin  
 State: Nevada                                      County: Churchill  
 City/Town/Park: #                      Geographic Area: Dixie Valley  
 Location Details: Take Highway 50 east from Fallon past Sand Mountain. Turn left onto Dixie Valley road and travel 37 miles to hot springs on the right side of the road.  
 Lat. (dg/min/sec): 39° 47' 46" N      Long. (dg/min/sec): 118° 04' 12.9" W  
 GPS: NAD83

Landowner Details (Permission): BLM  
 Altitude: 3363 M  
 Associated Species: *Helianthus annuus*, *Phragmites australis*, *Castilleja sp.*, *Atriplex torreyi*, *Tamarix sp.*, *Salsola kali*, *Populus fremontii*, *Salix sp.*, *Asclepias syriaca*, *Sarcobatus vermiculatus*, *Eriogonum umbellatum*

Habitat: Valley, Grease Wood  
 Modifying Factors: None  
 Land Form: Salt Flat                                      Aspect: E, 86  
 Land Use: Recreation, Grazing                                      Slope: 1°  
 Geology: Alluvium and Mass Wasting  
 Soil: Clay, 10YR 8/3; 5/4 moist

No. of Plants Sampled and Misc.: 500 plants sampled  
 No. of Plants Found: ca 2500  
 Area Sampled: 5 A

Seeds Collected From: seed - many individuals, plant

Description: Height: 4-6  
 Common Name(s): Dogbane - *Indian hemp*

Photograph (to be send electronically to SOS National Office) file name: APCA-NV030-283-A, APCA-NV030-283-B, APCA-NV030-283-C

**Identification**

Tonenna, D. -BLM, In Field, 9-5-09

**Herbarium Vouchers**

Does the pressed specimen have the same reference as the seed collection? Yes    No

No. of Herbarium Vouchers: 4 Vouchers Taken

- 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.

PRIORITY

SOS-NV030-285

APCA-SOS-NV030-285-09

Apocynum cannabinum

Indianhemp

BLMS

4.23 P

### Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	0	12/16/09
OSU Sample Taken	# of pounds	AC
	0.32g	
Sample Sent	Y N	

Test Results: Both in-house and/or OSU	
100 Seed X-ray	94%
Moisture Content	6-0%
Seed Count	290,700
REMARKS	
GERM <u>—</u> TZ <u>OSU</u> Strat Time: NC <u>—</u> 4C <u>—</u> 8C <u>—</u> 13C <u>—</u>	
PURITY <u>93%</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.
						—	70	28.9	6-0

X-Ray Results
94 % 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>.149</u> gms
Wt of Impurities:	Wt. of Clean Seed <u>2.010</u> gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> <u>2.159</u> gms
• Inerts <u>.149</u> gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{93} \%$
• Weeds _____ gms	
• Noxious _____ gms	

*\* Most = just broken seed pieces. > I suppose some of those may still be viable*

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)	
<u>.158</u> <u>.154</u>	Difference between max & Min wt. _____ 10% of average _____
TOTAL of ALL Reps: _____	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$ (453.6 grams = 1 pound)
Average: _____	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = <u>1.56</u> = 1000 seed wt.
	Seeds per Pound = <u>290,700</u>

FINAL PACKAGING for Seed Storage/Transfer			
Bag # 1	Bag Wt.	Bag #	Bag Wt.
Bag # 2	<u>.718</u>		
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			<u>.718</u>

beg. bal. .718  
 WRPIS 10,000 -.040  
 NEW BAL = .678

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

DATE	Start	Stop	Process	Initials
<u>12/16/09</u>	<u>1030</u>		226-test	<u>AC</u>
		<u>1115</u>	2270-pkg	<u>AC</u>

	ID card file sample
	Inventory Card Completed

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