

SEEDS



OF SUCCESS

MSB Serial Number: _____

NCRS PLANTS Code: FRCAC5

Storage Facility: Bend

Date Collected: 7 OCT 2008

Seed Collection Reference Number: AZ930-271

Collector(s): Johnson, J.

RHAMNACEAE

Frangula californica ssp. californica

Country: United States

Ecoregion: 22, Apache Highlands

State: Arizona

County: Gila

City/Town/Park: Washington Park

Geographic Area:

Location Details: Tonto National Forest, north of Payson. Forest Service Trail 290, 1 mile north of junction with Forest Service Road 32.

Lat. (dg/min/sec): 34° 26' 29.0" N Long. (dg/min/sec): 111° 15' 41.1" W

GPS: NAD83

Landowner Details (Permission): USFS

Altitude: 6350 FT

Associated Species: *Pinus ponderosa*, *Arctostaphylos pungens*, *Ceanothus fendleri*, *Juglans major*, *Vitis arizonica*, *Quercus gambelii*, *Robinia neomexicana*, *Achillea millefolium*.

Habitat: Petran Montane Conifer Forest

Modifying Factors: None

Land Form: Riparian

Aspect: All

Land Use: Recreation

Slope: 0-30°

Geology: Sedimentary

Soil: 5YR6/6

No. of Plants Sampled and Misc.: 50 plants sampled

No. of Plants Found: 250

Area Sampled: 5 A

Seeds Collected From: seed - many individuals, plant

Description: Height: 4 feet

Common Name(s): california buckthorn

Photograph (to be send electronically to SOS National Office) file name: FRCAC5 -AZ930-271-A, FRCAC5 -AZ930-271-B, FRCAC5 -AZ930-271-C

Identification

Johnson, J. - DES, In field, June 17, 2008

Herbarium Vouchers

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

No. of Herbarium Vouchers: 1 - sent to Smithsonian

- 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 Smithsonian herbarium that has agreed to arrange labeling, verification and distribution.

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:

Local Herbarium:

Handwritten calculation:
1.954
- .151

1.803

Seed Test/Packaging Record

SOSAZ-93008-34

FRCAC5-SOSAZ-930-271-08
 Frangula californica
 California buckthorn
 BLMS 1.8 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags	Date/Initials
	01	1/14/09
OSU Sample Taken	# of pounds	AC
	11.4g	
Sample Sent	Y/N	
	(Y)	

Test Results: Both in-house and/or OSU		REMARKS
100 Seed X-ray	90%	ENTERED
Moisture Content	5.4%	
Seed Count	8,030	
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.
							71°	25%	5.4

X-Ray Results
90 % 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	** 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 _____
5.686 5.600	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 = 56.43 = 1000 seed wt.
	Seeds per Pound = 8,030

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	0.169#		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL Wt.			0.169#

1.40# to PPMC ~10,000

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

DATE	Start	Stop	Process	Initials
1-14-09	1325		226-test	AC
		1405	2270-pkg	AC

OK	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____