SEEDS OF SUCCESS

MSB Serial Number: _____
NCRS PLANTS Code: HENAM
Storage Facility: Bend
Date Collected: 19 JUN 2007
Seed Collection Reference Number: AZ930-0214
Collector(s): Johnson, J., Gray, M.
LAMIACEAE
Hedeoma nana ssp. macrocalyx

Country: United States **Ecoregion**: 23, Sonoran Desert
State: Arizona **County**: Maricopa
City/Town/Park: Tonto National Forest **Geographic Area**: Seven
Location Details: Tonto National Forest. Seven Springs. Forest Road 24. 1 mile northwest of junction with Forest Road 562.
Lat. (dg/min/sec): 33° 57'40.6" N **Long. (dg/min/sec)**: 111° 51'1.6" W
GPS: NAD83
Landowner Details (Permission): USFS
Altitude: 3488 FT
Associated Species: *Juniperus coahuilensis, Quercus turbinella, Rhus trilobata, Gutierrezia sp., Elymus elymoides, Bromus rubens, Lepidium sp.*
Habitat: Interior Chaparral,
Modifying Factors: None
Land Form: Hillside **Aspect**: North
Land Use: Recreation **Slope**: 0 - 45°
Geology: Basaltic Lava Flows
Soil: Gray, Silt and Sand
No. of Plants Sampled and Misc.: 100 plants sampled
No. of Plants Found: 300
Area Sampled: 0.14 MI
Seeds Collected From: seed - many individuals, plant
Description: Purple flowers. Height: 6"
Common Name(s): dwarf false pennyroyal
Photograph (to be send electronically to SOS National Office) file name: HENAM-AZ930-0214-A,HENAM-AZ930-0214-B

Rec 6/26/07
1 groz

0.335
-.151
0.184

Identification
Johnson, J. - DES, In herbarium, 24, June, 2007
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:

-17

Seed Test/Packaging Record

SOSAZ-93007-17

HENAM-SOSAZ-930-0214-07
Hedeoma nana
dwarf false pennyroyal
SNWC .18 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 1	Date/Initials: 2/21/08 AC
OSU Sample Taken	# of pounds: .053g	
Sample Sent	(Y)/ N	

Test Results: Both in-house and/or OSU

		REMARKS
100 Seed X-ray	90 - confirmed w/cut seed	
Moisture Content		
Seed Count	1,814,000	

GERM ___ TZ OSU Strat Time: NC___ 4C ___ 8C ___ 13C___

PURITY 98 or NOXIOUS WEED only ___

MOISTURE CONTENT (use one of two methods below)

Dole Meter			**Moisture Analyzer**		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.

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 Impurities:
- Crops _____ gms
- Inerts _____ gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: .005 gms
Wt. of Clean Seed .25 gms
TOTAL (Impurities + Clean Seeds) .255 gms

Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 98 %

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).

.026 .024 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

Difference between max & Min wt. _____ 10% of average _____

NOTE: Seeds/Pound = 435600 / 1000 seed wt.

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = .25 = 1000 seed wt.
Seeds per Pound = 1,814,000

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	.049	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.049

Transaction Fee: _____

Seedbank Location

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
2.21.08	1045		226-test	AC
		1115	2270-pkg	AC

✓	Need	ID card file sample
		Regional Office ID file

got it

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____