BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 25 June 2003)

Please use BLOCK CAPITALS
Please complete all the priority fields labeled in **bold**.
Please circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code: SECO10

Date Collected (DD/MM/YY): 18/09/06 **Seed Collection Reference Number:** AZ-930-0190R

Collector(s): J. JOHNSON AND J. AQUINO

Country: USA **Ecoregion:** SONORAN **State:** AZ County: PINAL

Location Details: FREEMAN ROAD, 12.7 MILES FROM JUNCTION WITH STATE ROUTE 79.

Lat. (dg/min/sec): N 32° 49.783' GPS Used?: ***Yes*** *No* If no, please see other side.

Long. (dg/min/sec): W 110° 58.223' GPS Datum: ***NAD83*** *NAD27* *WGS84* *Other:*

Elevation (feet): 3706 Landowner Details (Permission?): STATE TRUST LAND (YES)

HABITAT DATA

Habitat & Associated Species: SONORAN DESERT SCRUB. ARIZONA UPLAND. WITH OLNEYA TESOTA, PROSOPIS SP., ERICAMERIA SP., PSILOSTROPHE COOPERI, CYLINDROPUNTIA SP., OPUNTIA SP., DASYLIRION WHEELERI, ZINNIA SP.

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other:*

Land Form: FOOTHILLS Slope°: 0° - 15°

Land Use: RECREATION Aspect: ***N*** ***NE*** ***E*** ***SE*** ***S*** ***SW*** ***W*** ***NW***

Geology:

Soil Texture: *Clay* ***Silt*** ***Sand*** *Other:* Soil Color: BROWN

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

Family: FABACEAE **No. of Plants Sampled:** 61

Genus: SENNA **No. of Plants Found (approx.):** 200

Species: COVESII **Area Sampled (acres):** 0.5

Subspecies/Variety:

Seeds Collected From: ***Plants*** *Ground* *Both*

Plant Habit: *Tree* *Shrub* ***Forb*** *Succulent* *Grass/Grasslike* Plant Height (feet): 1

Does the pressed specimen have the same reference as the seed collection?: ***Yes*** *No* Rec 9/25

If not, enter details of collector, reference, where lodged, and date collected: 0.613 .045 0.568

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): 1 cloth bag

Common Name(s) of Plants: COVES' CASSIA

Seed Test/Packaging Record

SOSAZ-93006-18

SECO10-SOSAZ-930-0190R-06
Senna covesii
Cove's cassia
SNWC 565 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags: 1	Date/Initials: 1-9-07 AC
OSU Sample Taken	# of pounds: 1.13g	
Sample Sent	(Y) / N	

Test Results: Both Inhouse and/or OSU

100 Seed X-ray: 93
Moisture Content: ____
Seed Count: 84,620
GERM ____ TZ OSU Strat Time: NC ____ 4C ____ 8C ____ 13C ____
PURITY ~99 or NOXIOUS WEED only ____

REMARKS: ENTERED

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

93 % 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: _____ gms
Wt. Of Clean Seed _____ gms
TOTAL (Impurities + Clean Seeds) _____ **gms**
Percent Purity = (Wt. Of clean seeds) / (Wt. Of Total) X 100 = ~99 %

SEEDS PER POUND

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

.537 .534 _____ _____ _____

TOTAL of ALL Reps _____
Average .536

***NOTE: If difference between max and min is less than 10% of average of samples, data is acceptable.

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

NOTE: Seeds/Pound = 453600 / 1000 seed wt.
To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 5.36 = 1000 seed wt.
Seeds per Pound = 84,620

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.273	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL WT.	0.273

ENTERED

Transaction Fee: _____

Seedbank Location

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose/Remarks

DATE	Start	Stop	Process	Initials
1-9-07	1125		226-test	AC
		1145	2270-pkg	AC

_____	ID card file sample
_____	Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ Computer NMIS _____ Inventory Card ✓ Y ____ NA