BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 18 April 2007)

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: CACO26

Date Collected (DD/MM/YY): 25/05/07 **Seed Collection Reference Number:** ES030-1

Collector(s): Jill Hapner, June Wendlandt, Chris Carusona

Country: USA **Ecoregion:** Southeastern Wisconsin Till Plains **State:** WI County: Waukesha

Location Details: Muskego Park Hardwoods State Natural Area

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 42° 53' 55" N GPS Used?: *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 88° 9' 40" W GPS Datum: *NAD83*

Elevation (feet): 850 Landowner Details (Permission?): Permit for collection received by the WI State Natural Areas Program Administrator, Thomas Meyer.

HABITAT DATA

Habitat & Associated Species: Muskego Park Hardwoods State natural Area is an old-growth southern dry-mesic forest dominated by white and red oaks on a gently sloping southeast slope. Additional tree species include: sugar maple, hickory, butternut, walnut, white ash, basswood, black cherry, ironwood, Kentucky coffee tree, and blue ash. Spring flora is exceptionally rich and contains wild leek, toothwort, bloodroot, declined trillium, reflexed trillium, green dragon, and red baneberry. Small woodland ponds lie in the northwest portion of the scientific area, which is buffered and owned by Waukesha County Parks.

Modifying Factors: *Grazed*

Land Form: Slope°:

Land Use: State Scientific Area/ County Park Aspect: *N NE E SE S SW W NW*

Geology:

Soil Texture: *Silt* Soil Color:

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

Family: Brassicaceae **No. of Plants Sampled** (min. 50):

Genus: Cardamine [Dentaria] **No. of Plants Found (approx.):** > 1,000

Species: concatenate [D. laciniata] **Area Sampled (acres):** 60

Subspecies/Variety: cutleaf toothwort

Seeds Collected From: *Plants*

0.036# .018# ~~.018~~

Plant Habit: *Forb* Plant Height (feet): 1.5

Does the pressed specimen have the same reference as the seed collection?: *Yes*

Rec 6/7/07
1 brown paper candy bag

PRIORITY

SOSES-03007-01

CACO26-SOSES-030-1-07
Cardamine concatenate
cutleaf toothwort
SNWC .018 P

Seed Test/Packaging Record

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete		7/31/07
OSU Sample Taken	# of pounds	
Sample Sent	(Y) N .084 gms	

TZ ? is there enough to pull 50?

Test Results: Both in-house and/or OSU

100 Seed X-ray 71%
Moisture Content
Seed Count 518,571

REMARKS ENTERED

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

71 % Filled

Results from 67/94 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 = 98 %

2 inerts

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).

.084 _____ _____
_____ _____
TOTAL of ALL Reps: 0.420
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 = 0.84 = 1000 seed wt.
Seeds per Pound = 518,570

ENTERED

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.001	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	0.001#

Transaction Fee: _____

Seedbank Location

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
7/31/07	1545	1615	226-test	UR
			2270-pkg	

✓ done? ID card file sample
Regional Office ID file

ENTERED

POSTED TO: Lot Completion Logbook _____ Computer NMIS_____