

BLM SEEDS OF SUCCESS FIELD DATA FORM

SOS Seed Collection Ref. Number:	NM930-114	Alternate Collection Number:	
Date(s) Collected (MM/DD/YY):	9/2/10	NRCS PLANTS Code:	VEEN
		Cleaning Facility:	Bend

Collector(s): Chambliss, S.; Primer, S.; Howard, M.

Ecoregion (Omernik Level III): 24 – Chihuahuan Des **State:** NM **County:** Dona Ana

Location Details: I-10 West of Las Cruces 7 mi, exit 127, cross to the South side and travel 2 mi to County Road B005, continue about 2 miles, population on West side of road. UTM Z13, 304373E, 3567818N

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 32° 13' 47.9" N **GPS Used:** Yes No If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 107° 4' 34.0" W **GPS Datum:** NAD83 NAD27 WGS84 Other:

Elevation (feet): 4347 **Landowner:** BLM **Non-BLM Permission Filed:**

HABITAT DATA

Associated Species (Scientific Name): *Prosopis glandulosa*, *Gutierrezia sarothrae*, *Salsola kali*, *Dimorphocarpa wislizeni*, *Atriplex canescens*, *Amaranthus* sp., *Bouteloua aristidoides*, *Pectis* sp.

Modifying Factors: Mowed Burned Grazed Flooded Seeded Trampled Other:

Land Form: Sand dunes (Coppice) **Slope** (degrees): 0-2°

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

Geology: Quaternary Aeolian sands

Soil Texture: Clay Silt Sand Other: ONITE-PINTURA COMPLEX, LOAMY FINE SAND **Soil Color:** 7.5 YR 5/6 "strong brown"

COLLECTION DATA

Family: Astaraceae **No. of Plants Sampled** (min. 50): 180

Genus: Verbesina **No. of Plants Found** (approx.): >5,000

Species: Enceliodes **Area Sampled** (acres): 2

Subspecies/Variety: **Seeds Collected From:** Plants Ground Both

Plant Habit: Tree Shrub Forb Succulent Grass/Grasslike **Plant Height** (feet): 3

Native plant materials development & research this accession will be used for: Long-term storage

Observational field notes to assist identification of pressed specimen (e.g. flower color, odor):

Common Name(s) of Plants: Golden crownbeard

Photograph Checklist (at minimum): **Habitat:** **Plant:** **Seed:**

PRE-COLLECTION CHECKLIST

The conditions indicated in **boldface** describe ideal population size and seed dispersal stage for seed collecting.

Assess Population & Seed Dispersal Stage				
Approximate area of population:	>20 acres	x	(feet, yards, miles.....)	
Approximate total number of individual plants present and accessible:	0-50	50-500	500-5000	≥ 5000
Evidence of disturbance or damage:	<i>Resown</i>	<i>Burnt</i>	<i>Sprayed</i>	No damage
Readiness of population for collecting: give percentages or circle the most frequently occurring:	<i>Vegetative</i>	<i>In flower</i>	<i>Immature seeds</i>	Around natural dispersal <i>Post dispersal</i>
Estimate the number of individual plants at natural dispersal stage:	<50	≥50		
Is the population:	A single population <i>A population with distinct sub-populations (Can you sample separately or from the most suitable?)</i>			
Assess Seed Quality & Availability				
On a typical individual, where on the plant/branch/fruit is the seed at natural dispersal stage:	Recognized			
Using a cut test on the seeds at this stage, give percentages or circle the most frequently occurring:	Healthy	<i>Insect-damaged</i>	<i>Empty</i>	<i>Moldy</i> <i>Malformed/other damage</i>
Estimate the number of healthy seeds per fruit:	84/head			
Estimate the number of fruits per individual plant:	many			
Should Seed Be Collected On This Trip?				
Using the above information, if you only collect 20% of the healthy seeds available today, will this result in a collection of >10,000 healthy seeds? yes				

OTHER LOCATION DATA

If GPS was not used, please state method of obtaining lat. and long.:

Map Publisher:

Series: Scale:

Map Coordinates: Map Date (MM/DD/YY):

HERBARIUM VOUCHERS

Number of Pressed Specimens: Date Voucher Was Taken (MM/DD/YY):

An herbarium voucher has been sent to the National Herbarium at the Smithsonian:

The remaining vouchers will be distributed by the collecting team to the following herbaria:

Regional herbarium: University of New Mexico & New Mexico State University	Local herbarium: BLM Las Cruces Office
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SPECIALIST IDENTIFICATION

For collections identified by a specialist, please complete sections below:

Material Identified: Date identified (MM/DD/YY):

Identified by: Organization: