SEEDS OF SUCCESS FIELD DATA FORM

Seed Collection Ref. Number:	NM930-114	**Collector Code:**	NM930
Date(s) Collected (MM/DD/YY)**:**	9/2/10	**Collector Name(s):**	Chambliss, S.; Primer, S.; Howard, M.
		Collection Number:	114
		Alt. Collection Number:	Howard 427

COLLECTION DATA

Family:	Asteraceae	**No. of Plants Sampled** (min. 50)**:**	180
Genus:	Verbesina	**No. of Plants Found** (approx.)**:**	>5000
Species:	Enceliodes	**Area Sampled** (acres)**:**	2
Subspecies/Variety:		**Seeds Collected From:**	**Plants** *Ground Both Unknown*
Plant Habit:	*Tree Shrub* **Forb** *Succulent Grass/Grasslike*	**Plant Height** (feet)**:**	3
Field Notes to assist in identification of pressed specimen (e.g. flower color)**:**	flowers yellow, strong odor when crushed		
Common Name(s) of Plants:	Golden crownbeard	**NRCS PLANTS Code:**	VEEN

LOCATION DATA

Ecoregion (Omernik Level III)**:**	24	**State:**	NM	**County:**	Dona Ana
Subunit (city, BLM area, park name, etc.)**:**	Floral Delight Conservation Area	**Area within Subunit** (trail name, etc.)**:**		Marigold Trail	
Land Owner:	BLM	**Non-BLM Permission Filed:**		Y N	
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				
Source Used:	**GPS** *Map None*	**Accuracy:**	**GPS** *Within 5km 6-20km More than 20km*		
GPS Datum:	**NAD83** *NAD27 WGS84 Other:*				
Latitude (dg/min/sec) (ex: 40˚ 34’ 19.5” N)**:**	32□ 13’47.9” N	**Elevation:**	4347		
Longitude (dg/min/sec) (ex: 107˚ 36’ 51.54” W)**:**	107□ 4’34.0” W	**Unit** (ft or m)**:**	ft		

HABITAT DATA

Associated Species (Scientific Name)**:**	Prosopis glandulosa, Gutierrezia sarothrae, Salsola kali, Dimorphocarpa wislizeni, Atriplex canescens, Amaranthus sp., Bouteloua aristidoides, Pectis sp.
Ecological Site Description, Habitat Type and/or National Vegetation Classification :	Chihuahuan Semi-Desert Grassland

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:* LOAMY FINE SAND	**Soil Color:**	7.5 YR 5/6 "strong brown"

HERBARIUM VOUCHERS

Number of pressed specimens:	4	**Date Voucher Taken:**	9/2/10
Herbaria Names (Smithsonian, Regional, Local):	Smithsonian University of New Mexico & New Mexico State University BLM Las Cruces Office		

SPECIALIST IDENTIFICATION

Identified by (name and organizational affiliation):	M. Howard - BLM-NMSO		
Material Identified:	**In Field** *From Pressed Specimen on Day of Collection* *From Pressed Specimen on Another Date* *From Photograph*	**Date Identified** (MM/DD/YY):	9/2/10

PRE-COLLECTION CHECKLIST

This section is for your reference only and not required as part of the data collected by the SOS National Coordinating Office. 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: 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: *Resown* *Burnt* *Sprayed* **No damage**

Readiness of population for collecting: give percentages or circle the most frequently occurring:
Vegetative *In flower* *Immature seeds* **Around natural dispersal** *Post dispersal*

Estimate the number of individual plants at natural dispersal stage: *<50* **>50**

Is the population:
A single population *A population with distinct sub-populations* (Can you sample separately or from the most suitable?)

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 *Insect-damaged* *Empty* *Moldy* *Malformed/other damage*

Estimate the number of healthy seeds per fruit:

Estimate the number of fruits per individual plant:

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?