EXAMPLE- ORIGINAL COLLECTION- SEEDS OF SUCCESS FIELD DATA FORM

Seed Collection Ref. Number:	NM930-114	**Collector Code:**	NM930
Date(s) Collected (MM/DD/YY)**:**	09/02/2020 9/9/2020	**Collector Name(s):**	Chambliss, S., Primer, S., Howard, M.
		Collection Number:	114
		Alt. Collection Number:	Howard 427
	Recollection: Y **N**	**If yes Recollection, Original Seed Reference #:**	

COLLECTION DATA

Phenology = 100%	Dormant 5% Vegetative 10% Bud 5% Flower 5% Pre Seed 10% Seed 50% Post Seed 15%				
Family:	Asteraceae	**No. of Plants Sampled** (min. 50)**:**	300		
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*	**Avg Plant Height** (ft)**:**	3		
Field Notes to assist in identification of pressed specimen (e.g. flower color)**:**	Yellow flowers, strong odor when crushed				
Collection Method: (circle)	*Hand stripped Cut Beat into tarp/container Plucked individual seed heads with hands Other (describe):*				
Common Name(s) of Plants:	Golden crownbeard	**NRCS PLANTS Code:**	VEEN		

LOCATION DATA

Ecoregion (Omernik Level III)**:**	24	**State:**	NM	**County:**	Dona Ana		
Provisional STZ	**25 - 30 / semi-arid**	**Empirical STZ**		**Desert SW STZ**		**Eastern States STZ**	
Subunit (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:	From Las Cruces Field Office, take I-10 West of Las Cruces 7 mi, cross to the south side and travel 2 mi to County Road B005, continue for 2.1 miles, population on west side of road.						
Source Used:	***GPS*** *Survey 123 Other:*	**Accuracy:**	7 meters				

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
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	**Avg 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

HERBARIUM VOUCHERS

Number of pressed specimens:	*3*	**Date Voucher Taken:**	9/2/2020
Herbaria Names (Smithsonian, Regional, Local):	Smithsonian, University of New Mexico, BLM Las Cruces Office		

SPECIALIST IDENTIFICATION

Identified by (name and organizational affiliation):	M. Howard, BLM-NMSO		
Material Identified (circle):	***In Field*** *From Pressed Specimen on Day of Collection From Pressed Specimen on Another Date From Photograph*	**Date Identified** (MM/DD/YY):	**9/2/2020**

CUT TEST AND SEED YIELD TOOL *Fields in this section with an * are required. The rest are "optional" though may be required for some teams. All teams may use this section to track estimated PLS. This section should be filled out each collection day.*

***Total # seeds cut:**	20	***# viable of seeds:**	16	***Estimated viability** (decimal percent):	.8

Seed collection method (circle):	All seed from every fifth plant (20%) ***OR*** **___20__% of each plant (can't exceed 20%)**

Avg # fruits/plant:	8	**Avg # seeds/fruit:**	30	**Target # seeds you want to collect:**	10,000	**# plants needed for target:**	260

Total # plants collected from today:	300	**Estimated PLS from today:**	11,520 PLS

Use the following equations to calculate answers for some of the fields above. *Example data: 10 seeds per fruit, 10 fruits per plant, .8 viability, 20% harvest. 10,000PLS target amount. At the end of the collection day, the team sampled 700 plants.*

Number of plants needed = Target # seeds / ([Avg # fruits/plant x Avg # seeds/fruit x Estimated viability] x Decimal percent of seed taken from each plant)

10,000/([10*10*.8]*.2) = 625 plants needed

Estimated PLS= ([Avg # fruits/plant x Avg # seeds/fruit x Estimated viability] x Decimal percent of seed taken from each plant) * total plants collected from

([10*10*.8]*.2)*700 = 11,200 PLS

EXAMPLE- RECOLLECTION- SEEDS OF SUCCESS FIELD DATA FORM

Seed Collection Ref. Number:	NM930-200	**Collector Code:**	NM930
Date(s) Collected (MM/DD/YY)**:**	09/07/2024 9/15/2024	**Collector Name(s):**	Hill, S., Snyder, K.
		Collection Number:	200
		Alt. Collection Number:	Hill 87
	Recollection: Y N	**If yes Recollection, Original Seed Reference #:**	NM930-114

COLLECTION DATA

Phenology = 100%	Dormant 5% Vegetative 10% Bud 0% Flower 5% Pre Seed 10% Seed 50% Post Seed 20%				
Family:	Asteraceae	**No. of Plants Sampled** (min. 50)**:**	400		
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*	**Avg Plant Height** (ft)**:**	3		
Field Notes to assist in identification of pressed specimen (e.g. flower color)**:**	Yellow flowers, strong odor when crushed				
Collection Method: (circle)	*Hand stripped Cut Beat into tarp/container Plucked individual seed heads with hands Other (describe):*				
Common Name(s) of Plants:	Golden crownbeard	**NRCS PLANTS Code:**	VEEN		

LOCATION DATA

Ecoregion (Omernik Level III)**:**	24	**State:**	NM	**County:**	Dona Ana		
Provisional STZ	**25 - 30 / semi-arid**	**Empirical STZ**		**Desert SW STZ**		**Eastern States STZ**	
Subunit (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:	From Las Cruces Field Office, take I-10 West of Las Cruces 7 mi, cross to the south side and travel 2 mi to County Road B005, continue for 2.1 miles, population on west side of road.						
Source Used:	***GPS*** *Survey123 Other:*	***Accuracy:***	5 meters				

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
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	**Avg 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

HERBARIUM VOUCHERS

Number of pressed specimens:	*3*	**Date Voucher Taken:**	8/30/2024
Herbaria Names (Smithsonian, Regional, Local):	Smithsonian, University of New Mexico, BLM Las Cruces Office		

SPECIALIST IDENTIFICATION

Identified by (name and organizational affiliation):	S. Hill, BLM-NMSO		
Material Identified (circle):	***In Field*** *From Pressed Specimen on Day of Collection* *From Pressed Specimen on Another Date* *From Photograph*	**Date Identified** (MM/DD/YY):	8/30/2024

CUT TEST AND SEED YIELD TOOL *Fields in this section with an * are required. The rest are "optional" though may be required for some teams. All teams may use this section to track estimated PLS. This section should be filled out each collection day.*

***Total # seeds cut:**	20	***# viable of seeds:**	13	***Estimated viability** (decimal percent):	.65

Seed collection method (circle):	All seed from every fifth plant (20%) ***OR*** **___20__% of each plant (can't exceed 20%)**

Avg # fruits/plant:	10	**Avg # seeds/fruit:**	20	**Target # seeds you want to collect:**	10,000	**# plants needed for target:**	384

Total # plants collected from today:	400	**Estimated PLS from today:**	10,400

Use the following equations to calculate answers for some of the fields above. *Example data: 10 seeds per fruit, 10 fruits per plant, .8 viability, 20% harvest. 10,000PLS target amount. At the end of the collection day, the team sampled 700 plants.*

Number of plants needed = Target # seeds / ([Avg # fruits/plant x Avg # seeds/fruit x Estimated viability] x Decimal percent of seed taken from each plant)

10,000/([10*10*.8]*.2) = 625 plants needed

Estimated PLS= ([Avg # fruits/plant x Avg # seeds/fruit x Estimated viability] x Decimal percent of seed taken from each plant) * total plants collected from

([10*10*.8]*.2)*700 = 11,200 PLS