

## SEEDS OF SUCCESS FIELD DATA FORM

<b>Seed Collection Ref. Number:</b>		<b>Collector Code:</b>	
<b>Date(s) Collected</b> (MM/DD/YYYY):		<b>Collector Name(s):</b>	
		<b>Collection Number:</b>	
		<b>Alt. Collection Number:</b>	
	<b>Recollection: Y N</b> (circle)	<b>If yes Recollection,</b> <b>Original Seed Reference #:</b>	
<b><u>COLLECTION DATA</u></b>			
<b>Phenology = 100%</b>	Dormant __ % Vegetative __ % Bud __ % Flower __ % Unripe Seed __ % Seed __ % Post Seed __ %		
<b>Family:</b>		<b>No. of Plants Sampled</b> (min. 50):	
<b>Genus:</b>		<b>No. of Plants Found</b> (approx.):	
<b>Species:</b>		<b>Area Sampled</b> (acres):	
<b>Subspecies/Variety:</b>		<b>Seeds Collected From:</b> (circle)	<i>Plants    Ground    Both    Unknown</i>
<b>Plant Habit:</b> (circle)	<i>Tree    Shrub    Forb    Grass/Grasslike</i>  <i>Succulent</i>		<b>Avg Plant Height</b> (ft):
<b>Field Notes to assist in identification of pressed specimen:</b> (e.g., flower color)			
<b>Collection Method:</b> (circle)	<i>Hand stripped    Cut stalk/stem    Beat into tarp/container    Bagged individual structures</i> <i>Plucked individual structures    Other (describe):</i>		
<b>Common Name(s) of Plants:</b>		<b>NRCS PLANTS Code:</b>	
<b><u>LOCATION DATA</u></b>			
<b>Ecoregion</b> (Omernik Level III):		<b>State:</b>	<b>County:</b>
<b>Provisional STZ</b>	<b>Empirical STZ</b>	<b>Desert SW STZ</b>	<b>Eastern States STZ</b>
<b>Subunit:</b> (field office, park, etc.)	<b>Area within Subunit</b> (trail name, etc.):		
<b>Landowner:</b>	<b>Non-BLM Permission Filed:</b> (circle)		Y    N
<b>Location Details:</b>			
<b>Source Used:</b> (circle)	<i>GPS    Survey123    Other:</i>		<b>Accuracy:</b> <span style="float: right;"><i>Meters</i></span>
<b>GPS Datum:</b> (circle)	<i>NAD83    NAD27    WGS84    Other:</i>		
<b>Latitude</b> (dg/min/sec): (ex: 40° 34' 19.5" N)	N	<b>Elevation:</b>	
<b>Longitude</b> (dg/min/sec): (ex: 107° 36' 51.54" W)	W	<b>Unit</b> (ft or m):	

**HABITAT DATA**

<b>Associated Species (Scientific Name):</b>			
<b>Habitat Type, Ecological Site Description, and/or National Vegetation Classification:</b>			
<b>Modifying Factors:</b> (circle)	<i>Fire – unknown origin   Flooded   Grazed   Invasive Species   Mowed   Prescribed Fire   Flooded</i> <i>Seeded   Trampled   Wildfire   Other:</i>		
<b>Landform:</b>		<b>Avg Slope (degrees):</b>	
<b>Land Use:</b>		<b>Aspect:</b> (circle)	<i>N   NE   E   SE   S   SW   W   NW</i>
<b>Geology:</b>			
<b>Soil Texture:</b> (circle)	<i>Clay   Silt   Sand   Other:</i>	<b>Soil Color:</b>	

**HERBARIUM VOUCHERS**

<b>Num. of pressed specimens:</b>		<b>Date Voucher Taken:</b>	
<b>Herbaria (Smithsonian, Regional, Local):</b>			

**SPECIALIST IDENTIFICATION**

<b>Identified by (name and organizational affiliation):</b>			
<b>Material Identified</b> (circle):	<i>In Field   From Pressed Specimen on Day of Collection</i> <i>From Pressed Specimen on Another Date   From Photograph</i>	<b>Date Identified</b> (MM/DD/YYYY):	

**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.*

<b>*Total # seeds cut:</b>		<b>*# viable of seeds cut:</b>		<b>*Estimated viability = #viable/total #cut</b> (decimal percent):	
<b>Seed collection method (circle):</b>	All seed from every fifth plant (20%)   OR   _____ % of each plant (can't exceed 20%)				
<b>Avg # seed containing structures/plant:</b>		<b>Avg # seeds/structure:</b>		<b>Target # seeds you want to collect:</b>	<b># plants needed for target:</b>
<b>Total # plants collected from today:</b>		<b>Estimated PLS from today:</b> (structures method)			
<b>Weight (g) of sub-sample:</b> (including seed/chaff)		<b>Number of all seeds in sub-sample:</b>		<b>Total weight of collection (g):</b>	<b>Estimated PLS from today</b> (weight method):

Use the following equations to calculate answers for some of the fields above.

**Structures Method:** *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 per plant \* Avg # seeds per fruit \* Estimated viability] \* Decimal percent of seed taken from each plant)

$$10,000/([10*10*.8]*.2) = 625 \text{ plants needed}$$

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

$$([10*10*.8]*.2)*700 = 11,200 \text{ PLS}$$

**Weight Method:** *Example data: .55 viability, 75 seeds in subsample, 2g sample weight, 1000g total collection weight.*

**Estimated PLS** = ([# total seeds in sample \* decimal % cut test viability]/weight of sample) \* total collection weight

$$([75*.55]/2)*1000 = 20,625 \text{ PLS}$$