

# AMERICAN BURYING BEETLE SURVEY DATA COLLECTION FORM

Project Name: \_\_\_\_\_ Time<sup>1</sup>: \_\_\_\_\_ Date<sup>1</sup>: \_\_\_\_\_ Transect #: \_\_\_\_\_ Survey Night: 1 2 3 4 5 6  
M/D/Y

Survey Company: \_\_\_\_\_ Surveyor: \_\_\_\_\_ Project Proponent: \_\_\_\_\_  
(Spell out)

State: \_\_\_\_\_ County: \_\_\_\_\_ Legal Description<sup>2</sup>: \_\_\_\_\_ General Location: \_\_\_\_\_  
(Sec Township Range) (nearest town, city, landmark)

Decimal Degrees<sup>2</sup>: \_\_\_\_\_ / \_\_\_\_\_ Coordinate System<sup>2</sup>: NAD83

Vegetation Type: \_\_\_\_\_ Primary Soil Type: \_\_\_\_\_  
(Prairie, woodland, forest, pasture) (Refer to County Soil Survey)

Temp<sup>3</sup>: Min \_\_\_\_\_ Max \_\_\_\_\_ °F Wind<sup>4</sup>: \_\_\_\_\_ mph Cloud Cover<sup>4</sup>: \_\_\_\_\_ %

Rain > 0.5 in.?<sup>5</sup> **yes** or **no** Additional survey night(s) required because of rain?<sup>6</sup> **yes** or **no**

Trap No.	<i>americanus</i>	<i>orbicollis</i>	<i>tomentosus</i>	<i>pustulatus</i>	<i>marginatus</i>	<i>carolinus</i>	<i>sayi</i>	Other carrion beetles
1. U D <sup>7</sup>								
2. U D								
3. U D								
4. U D								
5. U D								
6. U D								
7. U D								
8. U D								
Totals								

Number of disturbed traps and/or bait (D): \_\_\_\_\_

Additional survey night(s) required because of disturbance?<sup>8</sup> : **yes** or **no**

List each individual American burying beetle captured below and complete the appropriate columns.

ABB	Male	Female	Old <sup>9</sup>	New <sup>9</sup>	Age Unknown <sup>9</sup>	Recapture <sup>10</sup>	Newly Marked <sup>11</sup>	Tag #	Death	Pronotum Width
1										
2										
3										
4										
5										
6										
7										
8										
9										

Comments: \_\_\_\_\_

1. Date and time refer to when trap checked;
2. Check that legal description fits decimal degrees location. Lat/long MUST be in decimal degrees, NAD 83
3. Max/Min temp for previous 24-hour period prior to checking traps, must use data from [www.mesonet.org](http://www.mesonet.org)
4. Wind and cloud cover data refer to current conditions.
5. Rain for previous 24 hour period starting at midnight of the night trapped, must use data from [www.mesonet.org](http://www.mesonet.org)
6. Additional trapping required if > 0.5 in. of rainfall occurs between 7pm and 7 am on the night of survey, must use data from [www.mesonet.org](http://www.mesonet.org)
7. U= trap undisturbed, bait present; D= trap disturbed AND/OR bait gone;
8. Determine total number of disturbed traps over all 3 survey nights. If between 4 and 8 traps are disturbed over the 3 survey nights, 1 additional night of surveys are required. If between 9 and 16 traps are disturbed, 2 additional nights required. If between 17 and 24 traps are disturbed, 3 additional nights required.
9. OLD=breeding adult; NEW=newly enclosed adult; UNK=age cannot be determined.
10. Recaptures refer to color and number of bee tag on beetles that have been previously marked.
11. Newly marked males and females refers to color, number of bee tag, and age of beetle (e.g. R54[old]).