



Cactus Moth Detection & Monitoring Network



Cactus Moth Trap Data Form Variable Definitions

Cactus Moth Trap Data Form

Cactus moth in the context of this form refers to *Cactoblastis cactorum*, an introduced exotic invasive insect which feeds on pad-forming *Opuntia* spp. in the subgenus *Platyopuntia*. The 'trap' is a device designed to capture adults cactus moths for identification. Report all observations. When a Trap Data Form is submitted into the database system, a Cactus Moth Trap Observation ID is assigned. That ID will be used to represent that report in the system and is to be used to associate any specimens taken with this report.

Pricklypear Site ID

If a Pricklypear Data Form for this site was previously entered into the database, an ID number was assigned by the site. Place that number in this blank. When submitting a Trap Data Form to the database, the system will ask for this Pricklypear Site ID.

Trap

Number on trap used to identify trap.

Trap GPS Coordinates

GPS coordinate for trap. GPS, or Global Positioning System coordinates generally recorded from a handheld GPS unit. There are many coordinates systems, but UTM or decimal degrees are requested here. If you do not have either of these, certain other GPS coordinate systems can be converted to UTM or decimal degrees using conversion software like the following:

<http://boulter.com/gps/>. If you do not have a GPS unit, coordinates can be determined from a mapping program or website, such as Discover Life (<http://www.discoverlife.org/>) Global Mapper. Should only be one point.

Datum

The datum defines the size and shape of the Earth and the origin and orientation of the coordinate system used to map the Earth. There are many datums available, but WGS-84 is preferred here. NAD-83 is essentially the same as WGS-84. Likewise, NAD-27 and Clark 1866 may be used interchangeably.

UTM Coordinates

UTM, or Universal Transverse Mercator Coordinates, Globe gridded into zones which are metered east (easting) and north (northing).

Zone

All of the lower 48 States are covered by UTM Zones 10 to 19. For example, all of Alabama is in UTM Zone 16.

Decimal Degrees

Latitude and longitude in Decimal Degrees.
For example: Lat 31.2611 Lon 89.462983.

Observation Date

Date observation is being, or was, made. For example, March 6, 2005 would be entered as 03/06/2005.

Data Collector

Person collecting field data. Use full name.

Affiliation

Organization data collector is working or volunteering for. Do not use acronyms.

Contact Information

Contact Information for the data collector. May not be the same as that for the affiliation.

Trap Type

Experimental.lure/w trap or other device for trapping moth.

***Moth Adults**

Provide the approximate number of adults found in trap site. If none, write in '0'. Do not leave blank. For adult moth shipping instructions, follow the instructions provided by the trap provider.

Notes

Any additional information that may be beneficial. For example: Information about the biotic or abiotic environment when the moth was collected.