

## Beneficial Species Profile



Photo credit: Maggie Heumann, UNL

**Common Name:** Bronzed Tiger Beetle

**Scientific Name:** *Cicindela repanda*

**Order and Family:** Coleoptera: Carabidae: Cicindelinae

**Size and Appearance:** Sickle-like mandibles on both the larva and adult. Adult is shiny, metallic bronze in color with a greenish head and cream white markings on its back. They appear to have hair tufts on their underside. They have large compound eyes, long antennae and long legs and move extremely fast, often flying in short distances.

	Length (mm)	Appearance
<b>Egg</b>		<b>Small, ivory and bean-shaped; laid individually</b>
<b>Larva/Nymph</b>	<b>20-50mm (longer when mandibles are included)</b>	<b>Large sickle-shaped mandibles; wormlike body; noticeable hardened front six legs distinguish it from caterpillars; larvae have hooks on abdomen</b>
<b>Adult</b>	<b>10-20 mm</b>	<b>Metallic bronze in color with a green head and cream white markings on its back; hair underneath; hardened elytra</b>

		<b>(outer wing) with translucent wings hidden underneath; large compound eyes; long antennae and long legs; move extremely fast, often flying in short distances.</b>
<b>Pupa (if applicable)</b>	<b>10-50mm</b>	<b>Appendages from the last instar appear to be glued to the body</b>

**Type of feeder (Chewing, sucking, etc.):** Chewing mouthparts as both a larva and adult.

**Host/s:** Larvae typically have a shallow burrow in sand or soil; adults are found near wet mud, sand, and water.

**Description of Benefits (predator, parasitoid, pollinator, etc.):** Predatory on smaller insects and have large mandibles as both a larva and adult; they will eat basically anything that they can overpower.

**References:**

Borror, D. J., & White, R. E. (1970). *A field Guide to Insects of North America* (The Peterson Field Guide Series). New York, NY: Houghton Mifflin Company.

Cranshaw, W., & Kondratieff, B. C. (2006). *Guide to Colorado Insects*. Englewood, CO: Westcliffe.

Ground Beetles & Tiger beetles. (n.d.). Retrieved June 29, 2016, from [http://ipm.ncsu.edu/AG268/html/ground\\_and\\_tiger\\_beetles.htm](http://ipm.ncsu.edu/AG268/html/ground_and_tiger_beetles.htm).

Milne, L. J., & Milne, M. J. (1980). *The Audubon Society field guide to North American insects and spiders*. New York: Knopf.

Triplehorn, C. A., Johnson, N. F., & Borror, D. J. (2005). *Borror and DeLong's introduction to the study of insects* (7th ed.). Belmont, CA: Thompson Brooks/Cole.

Williams, M. (2008, September/October). *Systematic Entomology Lecture*. Lecture presented at Auburn University, Auburn, AL.