***Diadasia*** of the tallgrass prairie region and eastern North America

M. Arduser

*October 5, 2023*

**Females:**

1. Propodeal triangle shiny, without (or with very little) microsculpture ……………………………..2

Propodeal triangle completely dulled by dense, fine microsculpture ……………………………….3

2. Hind tibial scopa dark grey to brownish; T3-T5 with hairs basad of the narrow white fasciae all dark;

oligolege of *Callirhoe*; western edge of central and southern TGP…………….…..***afflicta*** (Cresson)

Hind tibial scopa all pale; T3-T5 hairs basad of the white fasciae all pale; oligolege of

*Sphaeralcea*; no TGP records…………………………………………………………………..***diminuta*** (Cresson)

3. Scutum largely bare, shiny; tergal hairs all pale; galea densely punctate; oligolege of Asteraceae,

primarily *Helianthus*; throughout much of TGP but sporadic…………………..…..***enavata*** (Cresson)

Scutum covered with pale hair (unless worn); T2-T5 with hairs basad of pale apical fasciae dark;

galea sparsely punctate; *Opuntia* specialists; no TGP/midwest records………………………..4

4. Vertex shiny between punctures…………………………………………………………***rinconis*** Cockerell

Vertex with fine microsculpture between punctures………………………… ***australis*** (Cresson)

**Males:**

1. Hind basitarsi distally with a blade-like process; *Opuntia* specialists; no TGP/midwest records

………………………………………………………………………………………………………………………………..…………..2

Hind basitarsi distally (on ventral side) without a blade-like process, sometimes with a small shiny

tubercle; rarely at *Opuntia*…………………………………………………………………………………………………3

2. Blade-like process of hind basitarsi nearly reaching distal end of 2nd tarsal segment; S6

apico-medial hair patch dark brown in color; gonostylus apically broad and shovel-like, clear

transluscent; no TGP/midwest records……………………………………………… ***rinconis*** Cockerell

Blade-like process of hind basitarsi reaching slightly beyond distal end of 2nd tarsal segment; S6

apico-medial hair patch grayish in color, not dark brown; gonostylus apically narrower, not so

shovel-like, transluscent brownish; no TGP/midwest records………. ***australis*** (Cresson)

3. T3-T5 hairs basad of pale apical fasciae all dark; *Callirhoe* specialist; western edge of central and

southern TGP……………………………………………………………………………….……………..***afflicta*** (Cresson)

T3-T5 hairs basad of pale apical fasciae all pale; rarely at *Callirhoe*…………………………………………..….4

4. Large (14mm or more); galea densely, finely punctate; Asteraceae specialist, primarily *Helianthus;*

throughout much of TGP but sporadic…………………………..………………………….***enavata*** (Cresson)

Smaller (8-10mm); galea shiny with few if any punctures; *Sphaeralcea* specialist; no TGP/midwest

records……………………………………………………..………………………………………………..***diminuta*** (Cresson)

**References:** Timberlake 1941; Adlakha 1969; Sipes 1999.