

小崎齿瓢虫属一新种^①

(鞘翅目: 瓢虫科)

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关键词 鞘翅目 瓢虫科 小崎齿瓢虫属 分类学 中国(云南)

小崎齿瓢虫属 *Afidentula* Kapur 因上颚不具侧齿和锯齿状小齿而被 Kapur (1955) 认为有别于 *Afidenta* Dieke。至目前为止, 该属共有 13 种, 其中印度马来区系有 7 种, 其余 6 种见于新几内亚。最近, 作者在云南永德县采到该属一新种, 现记述如下, 模式标本保存于西南林学院森保研究室。

十斑小崎齿瓢虫 *Afidentula decimaculata* Cao et Wang, 新种

体长: 3.5 mm; 体宽: 3.0 mm。

背面黄褐色, 体密被黄白色细毛。复眼黑色, 头部、触角、口器(除上颚末端黑色外)黄褐色。小盾片与背面基色相同。头部无黑斑, 前胸背板前方有一黑色中斑。鞘翅上各有 5 个黑色斑点, 成 2, 2, 1 排列, 各斑均独立, 不与鞘缝及外缘相连, 亦不相互连接。第 1 斑圆形, 位于小盾片两侧; 第 2 斑位于鞘翅肩角上, 略呈三角形; 第 3 斑最大, 位于鞘翅中部内线上, 近圆形; 第 4 斑位于外线上, 外侧接近鞘翅外缘; 第 5 斑位于端部中线上。腹面中、后胸腹板中央黑色, 腹部 1, 2, 3 腹板中部黑色; 腹末三节为浅色。足各节均为黄褐色。

虫体周缘短卵形, 背面拱起。上颚具三个端齿, 无侧齿, 上颚齿上无锯齿状小齿。前胸背板最宽处接近基部。后基线近于完整, 后缘达第一腹板的 3/4 左右。雄性第五腹板后缘平截; 第六腹板后缘略弧形外突。跗爪分裂, 基部有一三角形的基齿。

雄性外生殖器: 阳基中叶从正面观, 两侧近于平行, 末端收窄形成中突, 中突中央分裂成两齿状突。侧叶短于中叶, 仅及中叶的 3/4。弯管细长, 基半部弧形弯曲, 中部较平直, 端部略向内弯, 内缘略尖。

正模: ♂(编号 88012), 云南永德县乌木龙(海拔 2300m), 1988-VIII-23, 王红采。

① 承本院李楠助理工程师帮助绘图; 中科院昆明植物所李锡文教授鉴定寄主标本, 谨致谢忱。

寄主：唇形科火把花 *Colquhounia coccinea* Wall. var. *mollis* (Schlcht.) Prain.

生境：山坡灌草丛。

本种与双四星崎齿瓢虫 *Afidentula bisquadripunctata* (Gyllenhal) 在体型大小及颜色等外形上较为近似，但本种每鞘翅上具 5 个斑点；雄性外生殖器区别明显，本种阳基中叶明显长于侧叶，弯管端内缘略尖而不形成长形突起。

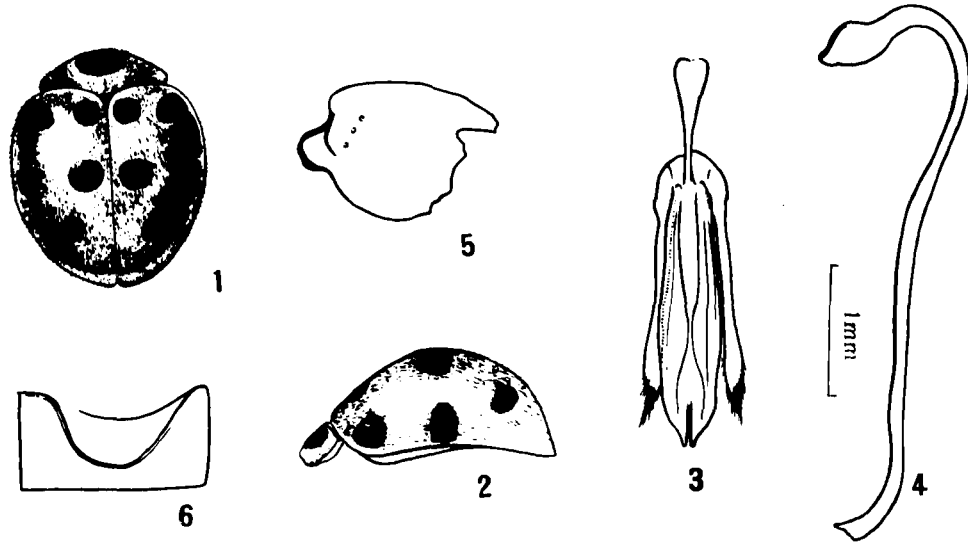


图 1-6 十斑小崎齿瓢虫 *Afidentula decimaculata* Cao et Wang, sp. n.

1. 虫体背面 (dorsal view of adult); 2. 虫体侧面 (lateral view of adult); 3. 阳基正面 (phallosome); 4. 弯管 (siphon); 5. 上颚 (mandibles); 6. 后基线 (Abdominal line)

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A NEW SPECIES OF THE GENUS *AFIDENTULA* KAPUR (COLEOPTERA: COCCINELLIDAE)

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The insect fauna is very rich and diversified in Yunnan, since the Province owns a great diversity of physical, geographic and climatic circumstances. Recently the authors collected a species of *Afidentula* from Yongde County, Yunnan. It is identified to be a new species. This paper provides a description of the species. The type specimen is kept in the Entomological Laboratory of the Southwestern Forestry College.

Afidentula decimaculata Cao et Wang, sp. nov. (Figs. 1–6)

Body shortly oval, distinctly convex, ground color of upperside yellowish brown, with 5 black spots on each elytrum. The spots arranged in the order of 2, 2, 1, separate from one another. Mandibles with three apical teeth, without lateral tooth or serration. Fifth segment of male truncate on hind margin, the sixth sub-convex. Abdominal line subcomplete, the outer margin reaching about 3 / 4 the hind margin of the first sternum.

Claws bifurcate, with a triangular basal tooth.

Male genitalia: The two lateral lines of median lobe approximately parallel, median lobe terminating dorsally in two sharp adjacent points. Parameres about as 3 / 4 long as median lobe. Siphon curved, semi-circular on basal half, sharp on inner margin terminally.

Length: 3.5 mm; width 3.0 mm.

Holotype: (No. 88012), Wumulong, Yongde, Yunnan, alt. 2300 m, 23-VIII-1988, by Wang Hong.

This new species is similar to *Afidentula bisquadripunctata* (Gyllenhal). It may be distinguished from the latter as there are 5 spots on each elytron, the siphon sharp on inner margin terminally, not of long hamulus shape, parameres shorter than the median lobe.