

sclerotized. Head hairs short (0.025–0.05 mm) long and more numerous (about 170). Ventral surface of labrum with 6 sensilla; chilosclere less sclerotized. Maxillary palp shorter, 4 lateral and 1 apical sensilla visible. Labial palp a slight elevation with 4 sensilla. Hypopharynx with minute spinules in same pattern as mature.

*Third instar.* Length (through spiracles) about 2.1 mm. Similar to fourth instar except as follows. Body slightly curved. Body hairs shorter: (1) 0.013–0.06 mm long; (2) 0.03–0.075 mm long; (3) about 0.324 mm long, slender, flexuous on AI–AX, about 26 on each dorsolateral surface. Pleurostoma feebly developed. About 160 head hairs. Apex of mandible short, acute and pointed medially.

*Second instar.* Length (through spiracles) about 1.9 mm. Similar to third instar except as follows. Diameter of head greater than diameter of thoracic somites; no praesaepium. Body slightly curved ventrally; head on anterior end. About 4 distinct somites. All spiracles 0.013 mm in diameter. Type 3 body hairs ca. 0.275 mm long, flexuous, on AI–AVI. Pleurostoma feebler and only partially developed. Head hairs 0.013–0.05 mm long; fewer (about 140). Spinules on posterior surface of labrum fewer and very short rows. Mandible subtriangular; apex short and slightly curved medially; apical half of medial border erose; anterior and posterior surfaces with feeble furrows. Base of maxilla less swollen; apex more rounded.

*First instar.* Length (through spiracles) about 0.96 mm. Similar to second instar except as follows. Segmentation distinct. Spiracles on T2 0.01 mm in diameter and on AVIII 0.009 mm. Spinules on venter of T1–AII, few on AVIII–AX. Body hairs very sparse, 0.025–0.275 mm long. Head hairs less numerous (about 95). Mandible feebly sclerotized; subtriangular; apex short, acute and straight. Maxillary base not swollen; apex short and round-pointed. Labial palp an irregular elevation with 5 sensilla. Hypopharynx with minute spinules.

Material studied: about a dozen larvae from Costa Rica courtesy of Diana Wheeler.

#### REFERENCES

BROWN, W. L.

1948. A preliminary revision of the higher Dacetini. *Trans. Amer. Ent. Soc.* 74: 101–129.