

A New Pest of the African Oil Palm in the Neotropics: *Periphoba hircia* (Lepidoptera Saturniidae Hemileucinae)

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Five species of Saturniidae Hemileucinae cause defoliation of the African oil palm, *Elaeis guineensis* Jacquin, in the Neotropics (Genty et al. 1978). According to Lemaire (pers. comm.) these include: *Automeris liberia* (Cramer, 1780), *A. cinctistiga* (R. Felder & Rogenhofer, 1875), *A. bilinea* (Walker, 1855), *A. sp.* and *Pseudodirphia gregatus* (Bouvier, 1924).

Damage caused by these caterpillars can become important. One individual destroys 400 to 1,000 cm² of leaf, i.e., 2 to 4 pinnae; the critical threshold is 50 to 100 caterpillars per palm (Genty et al. 1978). Caterpillars of Hemileucinae have been considered polyphagous by Janzen (1984).

On October 1991 we found caterpillars of *Periphoba hircia* eating leaves of *Elaeis guineensis* in an 8 year old, 500 ha plantation located in Peruvian Amazonia, Department of Loreto, Province of Maynas, in the lower Maniti River valley, near Papero village, 3°24'S, 72°45'W. Elevation is 125 m above sea level. The surrounding vegetation is tropical rain forest. Average annual rainfall is 2.3 m with a peak in February and the driest period in August.

The biology of *Periphoba hircia* was studied by Gardiner (1967). Up to 200 eggs are laid by a female (Fig. 1) in captivity. Incubation period is 53 days at 20-25° C. Caterpillars are gregarious and pro-

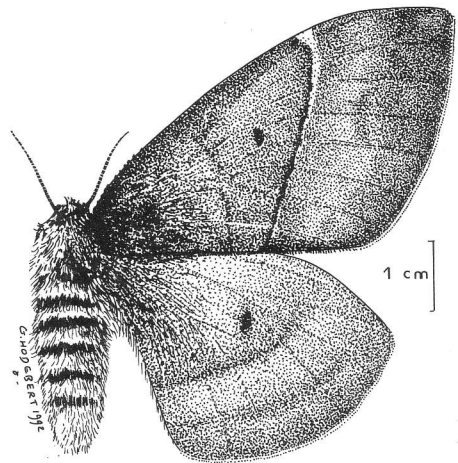
cessionary. Pupation period varies from 40 to 50 days in Peruvian Amazonia.

In the Maniti River valley we also found caterpillars of *Automeris liberia* causing damage to the palms.

Periphoba hircia is a new "pest of medium consequence which could become dangerous" as concluded by Genty et al. (1978) for the other five Saturniidae previously reported on *Elaeis guineensis* in the Neotropics.

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1. Female of *Periphoba hircia*.

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Principes, 37(4), 1993, pp. 229-231

INDEX

- Acoelorrhaphe wrightii 96, 97, 113, 222
 Acrocomia 172
 Actinokentia divaricata 127
 Actinorhynchus calapparia 176
 Aiphanes 52, 123, 139, 140, 147, 148; aculeata 139, 147, 176; caryotifolia 125, 136; chiribogenis 139, 140, 141, 142, 143, 145, 146, 147; erinacea 139, 140, 141, 142, 143, 144, 145, 146, 147; eggersii 139, 140, 141, 142, 143, 145, 146, 147; lindeniana 51
 Aleman, M. M., as coauthor 151
 Alloschmidia glabrata 134, 135, 136
 Ammandra 148
 Aphandra 148
 Archontophoenix 52, 127, 136, 224, 226; alexandrae 51, 53, 56, 58, 113, 124; cunninghamiana 113, 124
 Arckal, G. D., as coauthor 165
 Areca 173; alicaeae 51; catechu 135, 165, 167, 192; guppyana 127, 128, 136; ipot 136; langloisiana 109; latiloba 52; multifida 134, 136; triandra 134, 135, 136; vestitaria 109, 127, 136
 Arecastrum × Butia 220
 Arenga 224; caudata 225; engleri 218, 222; porphyrocarpa 52, 136, 224
 Astrogynne martiana 74, 78, 146, 147
 Astrocarium 94, 148, 172; huicungo 160
 × Attabignya minarum 100
 Attalea 94, 148; compta 100; crassispatha 95; monosperma 212; sagotii 212; spectabilis 212, 215
 Ayora, N. N., and R. Orellana
 Physicochemical soil factors influencing the distribution of two coastal palms in Yucatan, Mexico 82
 Ayora, N. N., as coauthor 26
 Bactris 74, 148; hondurensis 74
 Balick, M. J., as coauthor 94
 Beentje, H.
 The days I didn't find lakatra 4
 A new aquatic palm from Madagascar 197
 Biennial 105, 108, 138, 186
 Bismarckia nobilis 51, 136, 226
 Board meetings 104
 Bookstore 11, 59, 106, 150, 160, 196
 Borassus 15, 167; flabellifer 123, 165, 166, 167
 Borchsenius, F.
 Flowering biology and insect visitation of three Ecuadorian Aiphanes species 139
 Brahea 56, 169; armata, 225; brandegeei 217, 218; edulis 55, 163, 217, 225
 Brassiophoenix schumannii 130, 134, 136
 Braun, A. 168
 Burretiokentia hapala 136; vieillardii 127, 136
 Butia, 56, 58, 118, 222; capitata 176, 217, 225
 × Butiagrus nabonnandii 176
 Cabello, J., as coauthor
 Calamus 209; hollrungii 206, 207, 209; vanuatuensis 203, 204, 206, 207, 208, 209; vitiensis 206, 207, 209
 Calyptrocalyx spicatus 136; stenochista 134, 135, 136
 Calyptrogynne sarapiquensis 74, 78
 Carpentaria acuminata 52, 113
 Carpoxydon macrospermum 204
 Caryota 52; albertii 204; cumingii 192; mitis 57, 136, 217; no 217; rumphiana 134, 135, 136
 Catoblastus 148
 Ceroxylon 149
 Chambyronia macrocarpa 113, 130, 136, 174, 179
 Chamaedorea 109, 114, 116, 148, 170, 172, 173, 178, 218; cataractarum 111; costaricana 178; elegans 51, 127; ernesti-augustii 219; exorrhiza 74, 76, 77, 78, 79; geomorphiformis 127, 136; hooperiana 136; metallica 127, 218, 219; pochutlensis 178; quetzalteca 178; radicalis 218; sartorii 127, 136; seifrizii 51, 57, 127, 136; tepeljilote 74, 127; woodsoniana 178
 Chamaerops 113; humilis 55, 115, 121, 123, 151, 152, 153, 154, 155, 156, 157, 180, 222
 Chapter news 49, 112, 171, 219
 Chavez, F., as coauthor 184
 Chrysalidocarpus cabadae 127, 136; decipiens 176; fibrosus 1, 10; lucubensis 51; lutescens 51; madagascariensis 51, 136
 Classified 18, 41, 91, 119, 158, 215
 Clinostigma 135; harlandii 204; samoense 56, 127, 129, 133, 134, 135, 136, 174
 Coccothrinax 111; argentea 113; crinita 109, 217; readii 3, 26, 27, 28, 29, 30, 31, 32, 33, 63, 82, 83, 84, 85, 86, 87, 88, 89, 90