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# A Bibliography of the Flat Grain Beetle, *Cryptolestes pusillus* (Schönherr) (Coleoptera: Cucujidae)

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ABSTRACT

Throne, James E. 1988. A Bibliography of the Flat Grain Beetle, Cryptolestes pusillus (Schönherr) (Coleoptera: Cucujidae). U.S. Department of Agriculture, Agricultural Research Service, ARS-70, 16 pp.

Flat grain beetles are pests of stored products throughout most of the world. This bibliography lists 178 papers published about these beetles. Citations are grouped by subject and are indexed by geography, host, and author.

KEYWORDS: Bibliography, Coleoptera, Cryptolestes pusillus, Cucujidae, flat grain beetles, stored-product insects.

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A Bibliography of the Flat Grain Beetle, Cryptolestes pusillus  
(Schönherr) (Coleoptera: Cucujidae)

Compiled by James E. Throne

Flat grain beetles, Cryptolestes pusillus (Schönherr) (Coleoptera: Cucujidae), are pests of stored products throughout most of the world. They feed on alfalfa meal, bananas (dried), barley, benniseed, black-eyed peas, cassava, citrus pulp, cocoa, coffee, copra, corn, cottonseed, cowpeas, dates, filberts, gum damar, illipe nuts, kenaf, lentils, milk powder, millet, Nere seed, nutmeg, oats, palm kernels, peaches, peanuts, rice, rye, safflower, sago, seaweed, sorghum, soybeans, sunflower seeds, t'ef, wheat, and yams. Flat grain beetles have been reported in Argentina, Australia, Bangladesh, Barbados, Belize, Brazil, Bulgaria, Burma, Canada, Czechoslovakia, Fiji, Finland, German Democratic Republic, Ghana, Greece, Grenada, Guyana, Hong Kong, India, Indonesia, Iraq, Israel, Jamaica, Japan, Kenya, Malawi, Malaysia, Mexico, Morocco, Mozambique, Nicaragua, Nigeria, People's Republic of China, Philippines, Puerto Rico, Republic of China, Singapore, Soviet Union, Sri Lanka, Sweden, Tanzania, Thailand, Trinidad, Tunisia, Turkey, Uganda, Union of South Africa, United Kingdom, United States of America, Uruguay, Western Samoa, Yugoslavia, and Zimbabwe.

This publication is intended to be a complete bibliography of the flat grain beetle and should assist entomologists in obtaining information on this species. All known articles published since the original description of this species in 1795 through November 1987 have been included here except unpublished theses and dissertations. The genus Cryptolestes generally was not given generic status until 1955 (Lefkovitch 1959); papers published prior to that refer to the genus as Laemophloeus. Olivier originally

named the species Cucujus minutus. It was generally referred to as minutus until 1959, when the name pusillus came into general use. Lefkovitch (1959) reviewed the synonymy of the species.

Bibliographic sources consulted were the Review of Applied Entomology - Series A (RAE) for 1965-87, the Bibliography of Agriculture (BA) for 1945-68, and the literature citations in papers. All articles except those followed by a citation in a bibliographic source were available to the compiler. Citations have been divided into general subject areas. Several are listed under more than one subject area.

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CITATIONS

ATTRACTANTS

MILLAR, J.G., A.C. OEHLISCHLAGER, and J.W. WONG. 1983. Synthesis of two macrolide aggregation pheromones from the flat grain beetle, Cryptolestes pusillus (Schönherr). *Journal of Organic Chemistry* 48: 4404-4407. [1]

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