

December 1983

Addendum to the Inventory of Stored Grain Insects in Michigan

Robert F. Ruppel
Michigan State University

Follow this and additional works at: <http://scholar.valpo.edu/tgle>

 Part of the [Entomology Commons](#)

Recommended Citation

Ruppel, Robert F. (1983) "Addendum to the Inventory of Stored Grain Insects in Michigan," *The Great Lakes Entomologist*: Vol. 16 : No. 4 , Article 15.
Available at: <http://scholar.valpo.edu/tgle/vol16/iss4/15>

This Peer-Review Article is brought to you for free and open access by the Department of Biology at ValpoScholar. It has been accepted for inclusion in The Great Lakes Entomologist by an authorized administrator of ValpoScholar. For more information, please contact a ValpoScholar staff member at scholar@valpo.edu.

ADDENDUM TO THE INVENTORY OF STORED GRAIN INSECTS IN MICHIGAN.

Robert F. Ruppel¹

Additional species of stored grain insects have been found in Michigan since the inventory of such pests was published (Ruppel 1977). The additional species were primarily found through a study of insects in county elevators (Russell 1980) and through examinations of infested grains submitted for identification. The names of these insects are given in Table 1. The brown spider beetle and murmidius beetle were found in infested small grains, the European grain moth was found in stored soybeans and in elevator trash, and the others were found in elevator trash.

LITERATURE CITED

- Ruppel, R. F. 1977. An inventory of stored grain insects in Michigan. *Great Lakes Entomol.* 10:243-244.
- Russell, H. L. 1980. An analysis of insect populations in residual grain in the county elevator ecosystem. M. S. thesis, Michigan State Univ. 186 p.

Table I. Additional insects found in stored grains in Michigan.

Family	Species	Common Name
COLEOPTERA		
Tenebrionidae	<i>Cybaeus angustus</i> (Leconte)	larger black flour beetle
	<i>Tenebrio obscurus</i> Fabricius	dark mealworm
Dermestidae	<i>Dermestes lardarius</i> L.	larder beetle
Ptinidae	<i>Ptinus clavipes</i> Panzer	brown spider beetle
Murmididiidae	<i>Murmidius</i> sp.	"murmidius beetle" ²
LEPIDOPTERA		
Tineidae	<i>Nemapogon granella</i> L.	European grain moth

²Not an accepted common name

¹Department of Entomology, Michigan State University, East Lansing, MI 48824. The author acknowledges the assistance of Barbara Parcells of Michigan State University in the identification of the insects reported here and of the many cooperators, especially personnel of the Michigan Department of Agriculture, who sent in grain samples for study.