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A Study on Endocrine Cells in the Midgut of *Agrotis segetum* (Denn.and Schiff.)
(Lepidoptera:Noctuidae)

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Abstract: The structure of midgut endocrine cells of *Agrotis segetum* larvae was examined by light and electron microscopy. It was observed that the endocrine cells were located on the basal lamina and among the columnar epithelial cells of the midgut. The cells were morphologically determined as columnar or coniform. The cytoplasm of endocrine cells was observed to contain rough endoplasmic reticulum, mitochondria, developed Golgi complex, vesicles and numerous small secretory granules. It was also observed that the secretory granules were often located in the basal region of the endocrine cells.

Key Words: *Agrotis segetum*, midgut endocrine cells, insect, electron and light microscopy

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