Turkish Journal of Zoology

Turkish Journal

of

Zoology

Differentiation of Brain Neurosecrotory Cells Depending on Ecdysteroid Content of Haemolymph During 5 th. Instar Larval Stage of Silkworm, Bombyx mori

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Abstract: In this study, the differentiation in the lateral neurosecretion cells of pars intercerebralis of

brain, depending on the different ecdysteroid contents which was determined in the hemolymph of silkworm by radioimmunoassay has been studied using light microscopy. The brains of silkworms in the

time of low and high hemolymph ecdysteroid content were fixed in Bouin solution, and the cross sections were stained with PAF after dehidratation. Results shown that the density of fine secretion granulles increased in the cytoplasm of neurosecration cells just before the increase of ecdysteroid content in hemolymph. It was also observed that the ecdysteroid content in hemolymph increased in the





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Key Words: Bombyx mori, Radioimmunoassay, Ecdysteroid, pars intercerebralis

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Turk. J. Zool., 23, (1999), 733-738.

following day of excretion.

Full text: pdf

Other articles published in the same issue: Turk. J. Zool., vol. 23, iss. EK2.