

عنوان مقاله:

(Chemical Analysis of the Metathoracic Scent Gland of *Eurygaster maura* (L.) (Heteroptera: Scutelleridae)

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نویسندگان:

.E. Ogur - Department of Plant Protection, Faculty of Agriculture, Selçuk University, Konya ۴۲۲۵۰, Turkey

.C. Tuncer - Department of Plant Protection, Faculty of Agriculture, Ondokuz Mayıs University, Samsun ۵۵۱۳۹, Turkey

خلاصه مقاله:

Eurygaster maura (L.) (Heteroptera: Scutelleridae) is one of the most devastating pests of wheat in Turkey. The metathoracic scent gland secretions of male and female *E. maura* were analyzed separately by gas chromatography-mass spectrometry. Twelve chemical compounds, namely, Octane, n-Undecane, n-Dodecane, n-Tridecane, (E)-۲-Hexenal, (E)-۲-Hexen-۱-ol, acetate, Cyclopropane, ۱-ethyl-۲-heptyl, Hexadecane, (E)-۳-Octen-۱-ol, acetate, (E)-۵-Decen-۱-ol, acetate, ۲-Hexenoic acid, Butyric acid, and Tridecyl ester were detected in both males and females. These compounds, however, differed quantitatively between the sexes. In both females and males, n-Tridecane and (E)-۲-Hexenal were the most abundant compounds and constituted approximately ۹۰% of the total content. Minimal amounts of Octane were detected in males and Hexadecane in females.

کلمات کلیدی:

(E)-۲-Hexenal, GC-MS, Metathoracic scent gland, n-Tridecane, Wheat)

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