New Sex Attractants for Five *Chamaesphecia* Species (Lepidoptera, Sesiidae) from the Ukraine and Turkmenistan

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Field screening tests of (3\(^Z\),13\(^Z\))- and (3\(^E\),13\(^Z\))-octadecadienols, (2\(^Z\),13\(^Z\))- and (2\(^E\),13\(^Z\))-octadecadienols and their acetates as well as some binary mixtures of these compounds in dosages of 0.5 mg/dispenser were carried out in the Crimea, the Ukraine, and in the West Kopetdag mountains, Turkmenistan, in 1989–1993. New sex attractants for five clearwing moth species of the genus *Chamaesphecia* (Lepidoptera, Sesiidae) were discovered. Males of *Ch. chalciformis* were attracted by a 1:1 mixture of 3\(^Z\),13\(^Z\)-18:OH and 2\(^E\),13\(^Z\)-18:OAc, *Ch. schmidtiformis* by a 9:1 mixture of 3\(^Z\),13\(^Z\)-18:OAc and 3\(^Z\),13\(^Z\)-18:OH in the Ukraine as well as in the ratios 9:1 and 1:1 in Turkmenistan, *Ch. mezentzevi* by a 9:1 mixture of 3\(^Z\),13\(^Z\)-18:OAc and the corresponding alcohol, *Ch. zimmermanni* by a 1:9 mixture of 3\(^Z\),13\(^Z\)-18:OAc and 3\(^E\),13\(^Z\)-18:OH, and *Ch. specia nova* in Turkmenistan by a 1:1 mixture of 3\(^Z\),13\(^Z\)-18:OH and 3\(^E\),13\(^Z\)-18:OAc. Two inhibitors, 3\(^Z\),13\(^Z\)-18:OH and 3\(^E\),13\(^Z\)-18:OAc, of the sex attractant were found for *Ch. zimmermanni*. The periods of attraction to the traps were registered for males of *Ch. zimmermanni* and *Ch. specia nova* and were found to occur at 1900–2100 and 1430–1700 local time, respectively. Males of *Ch. chalciformis* and *Ch. schmidtiformis* were attracted to the traps in the afternoon.

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