

# Sex Attractants for Six Clearwing and Tineid Species (Lepidoptera, Sesiidae and Tineidae) from Kazakhstan and Lithuania

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Octadecadienols, Octadecadienyl Acetates, Daily Rhythm

Sex attractants for 3 Sesiidae and 3 Tineidae moth species in West-Kazakhstan and Lithuania were discovered by field screening tests of (3Z,13Z)-, (3E,13Z)- and (2E,13Z)-octadecadien-1-ols and their acetates as well as of some binary mixtures of these compounds. Total amount of chemicals was 0.3 mg/dispenser. Males of *Synanthedon serica* were attracted by a 5:5 mixture of 3E,13Z-18:OAc and 2E,13Z-18:OAc, *Chamaesphecia bibioniformis* by a 9:1 mixture of 3Z,13Z-18:OAc and 3E,13Z-18:OAc, *Paranthrene tabaniformis* by a 1:9 mixture of 3Z,13Z-18:OH and 3E,13Z-18:OH, *Tinea nonimella* by a 1:9 mixture of 3E,13Z-18:OH and 2E,13Z-18:OH, *Monopis monachella* by a 1:9 mixture of 3Z,13Z-18:OH and 2E,13Z-18:OH, and *Nemaxera betulinnella* by a 9:1 mixture of 2E,13Z-18:OAc and the corresponding alcohol. The periods of attraction to the traps were registered for males of *S. serica* and *Ch. bibioniformis* and were found to occur at 15–18 and 15–17 o'clock, local time, respectively.