

Synthesis and Field Tests of Sex Pheromone Components of the Leafroller *Argyrotaenia sphaleropa*

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Female pheromone glands of the leafroller *Argyrotaenia sphaleropa* were analyzed. Two acetates were identified as (11Z,13)-tetradecadien-1-yl acetate and (11Z)-tetradecen-1-yl acetate by comparison with synthesized references. The (11Z,13)-tetradecadien-1-yl acetate and the aldehyde (11Z,13)-tetradecadienal were synthesized via a Wittig reaction. A field-trapping test showed that a lure consisting of a mixture of (11Z,13)-tetradecadienal and (11Z,13)-tetradecadien-1-yl acetate in a 10:1-ratio produced the highest trap catches.

Key words: (11Z,13)-Tetradecadienal, (11Z,13)-Tetradecadien-1-yl Acetate, Lepidoptera