

Stimulatory Beetle Volatiles for the Asian Longhorned Beetle, *Anoplophora glabripennis* (Motschulsky)

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Two male-specific beetle volatiles were found that elicited strong gas chromatographic-electroantennographic responses from both sexes of Asian longhorned beetle adults, *Anoplophora glabripennis*. The secretion consisted of a ~1:1 (v/v) blend of functionalized dialkyl ethers, 4-(*n*-heptyloxy)butanal and 4-(*n*-heptyloxy)butan-1-ol. These compounds are chemically unusual natural products that are previously unknown from insects. Laboratory olfactometer studies showed that a blend of 10 µg of each synthetic compound on a filter paper strip was significantly attractive to ALB adults.