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## IDENTIFICATION OF SULCATOL, A POTENTIAL PHEROMONE OF THE AMBROSIA BEETLE *Gnathotrichus materiarius* (COLEOPTERA: SCOLYTIDAE)

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We report the identification of a potential pheromone for *Gnathotrichus materiarius* (Fitch) (Coleoptera: Scolytidae). The population sex ratio is close to 1:1, and males initiate attacks on tree hosts. Headspace and hindgut samples from single males showed the presence of the putative pheromone 6-methyl-5-hepten-2-ol, sulcatol. Unmated males released sulcatol for at least 12 d, and ceased producing the pheromone after 20 d. The peak sulcatol release occurred after 2 d. Males cease production of sulcatol 24 h after being paired with females. Single females were unable to initiate galleries, and no sulcatol was detected from its headspace and hindgut samples. The chiral ratio of the pheromone, observed from headspace samples, was 31% (S)-(+)- and 69% (R)-(-)-sulcatol.