

TITLE: Development of a sex attractant for control and/or monitoring of the raspberry crown borer, *Pennisetia marginata* (Lepidoptera: Sesiidae)

Principle Investigator: Roger Williams, OARDC/OSU

Cooperators: Joseph DeFrancesco and Diane Kaufman, Oregon St. Univ., Corvallis, OR 97331-2951; Todd Murray, WSU Extension, Whatcom, WA 98225-5594; Donn Johnson, Univ. of Arkansas, Fayetteville, AR 72701; LeRoy Haynes, COW, Wooster, OH 44691;

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Abstract: During the adult activity period of August 16th through September 18th a total of 9 pheromone lures synthesized in our laboratory and 6 obtained from commercial sources were evaluated in Ohio, Oregon, Arkansas and Washington for attractancy to the adult male raspberry crown borer, *Pennisetia marginata* (Lepidoptera: Sesiidae), under field conditions. A total of 160 traps caught 102 horse nettle borers (*S. rileyana*), 135 lesser peach tree borers (*S. pictipes*), 1 peach tree borer (*S. exitiosa*), 10 raspberry crown borers (*P. marginata*), and 6 unknown clearwing moths. Crowns collected from the sites early in the season confirmed the presence of RCB at all trial sites.