

Biology/Phenology

PLUM CURCULIO: HEADED WEST? PHEROMONES, KAIROMONES, TRAPS AND TRAPPING TRANSECS 2001

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Abstract: Two plum curculio, *Conotrachelus nenuphar* (Herbst), transecs were established in May and June 2001. The first transec included 25 sites and was placed with cooperators in a north to south orientation from Walla Walla, WA, to Winnemucca, NV, through eastern Oregon. The second was located from Kalispell, MT, to Pocatello, ID. Sites were chosen based on the availability of a compliant cooperator, the insecticide use history, tree species and tree fruit density. Plum curculio larvae or adults were detected at 3 sites. Five trap designs, six pheromone/kairomone baits and two management strategies were evaluated in Michigan cherry and apple orchards. Two trap-bait formulations significantly outperformed the other combinations tested.