

Biology/Phenology

Biology, Monitoring and Management of the Consperse Stink Bug, *Euschistus conspersus*: Can We Use Pheromone-Based Killing Stations?

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Abstract: The consperse stink bug, *Euschistus conspersus* Uhler, has emerged as an important pest of pome fruit production in northcentral Washington in the past decade. Growers have struggled to manage this pest without effective monitoring tools and few effective chemical control options near harvest. Efforts to quantify the diel periodicity of stink bug behavior revealed that stink bug feeding and mating activity occurs late in the photophase or at night. This may have implications for grower application of contact insecticides. Yellow pyramid traps baited with synthetic aggregation pheromone were useful in trapping adult stink bugs. Treating these traps with the pyrethroid fenpropathrin (Danitol®) resulted in high mortality among stink bugs attracted in the field. In light of this information, we present data from field-testing of toxic trap placement as a way of reducing fruit damage.