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## Summer 2018 Internship Opportunity

In collaboration with the Eastern New York Commercial Horticulture Program (ENYCHP) the Hudson Valley Research Lab's Peter Jentsch, Lab Director, is looking for a 2018 summer intern to lead fieldwork efforts for a new project "Preventing SWD Infestation in Primocane Raspberries with the help of Exclusion Netting and Attract/Kill Technology."

SWD is Spotted Wing Drosophila is an invasive vinegar or fruit fly of East Asian origin that had made its way into New York by 2011. While it can infest the fruit of many plants, but is most attracted to raspberries, blackberries, blueberries, and other late-season, soft-flesh. SWD lay eggs inside fresh fruit, often before harvest. After only a few days, the fruit skin becomes dimpled or wrinkled, forming craters in the fruit. Without control measures, late season raspberries, blackberries and blueberries can suffer upwards of 80% crop loss. For farms that operate U-Pick programs this can also result in customers picking fruit that is filled with larva.

The 2018 project will focus on assessing the effectiveness of using exclusion netting to prevent SWD from access to berry bushes in combination with Attract and Kill technologies to lure SWD away from primocane raspberries to areas where traps have been set up.

The intern will have primary responsibility for setting up and maintaining netting and Attract/Kill stations on site at 3 participating farms in the Hudson Valley; will take berry samples to monitor effectiveness; collect insects occurring in berries and in traps and work to ID them (using bio keys and microscopes as needed); and raise SWD found in fruit as a laboratory research colony.

The possession of a clean license and driving experience is required. Relevant lab and field work greatly desired, including experience with raising specimens in laboratory settings, performing insect identifications, and in working with non-scientific partners (in this case in a agricultural setting.) The ideal candidate will be a driven, self-starter who will take ownership of this project for the duration. Support will be provided by HVRL Lab Director Peter Jentsch and ENYCHP's Laura McDermott

This will be a full-time, paid position for 11-weeks with the possibility of an extension depending on performance and the availability of funding.

Interested candidates should submit a resume and cover letter, by email to Erica Kane at [EK538@cornell.edu](mailto:EK538@cornell.edu) Applications will be reviewed on a rolling basis with a tentative start-date of June 1, 2018.