

Automated Delta Trap

For Remote Monitoring of Crop Pests

- For orchards, vineyards, and row crops
- Just hang and power up
- Connects to local cellular service
- Takes a high resolution, color image every day
- Transmits images to CropVue™ cloud for storage and AI processing
- Automatic pest detection and counting to monitor onset and pest pressure during growing season

The CropVue™ automated camera trap offers a proven Delta trap design to record and monitor pest pressure daily. In an all-in-one design, CropVue™ combines an integrated solar panel, built-in GPS for auto-location on a map, built-in cellular connectivity to connect to the cloud, and built-in camera/lighting to monitor a large variety of pests using pheromone lures.

Easily Assembled

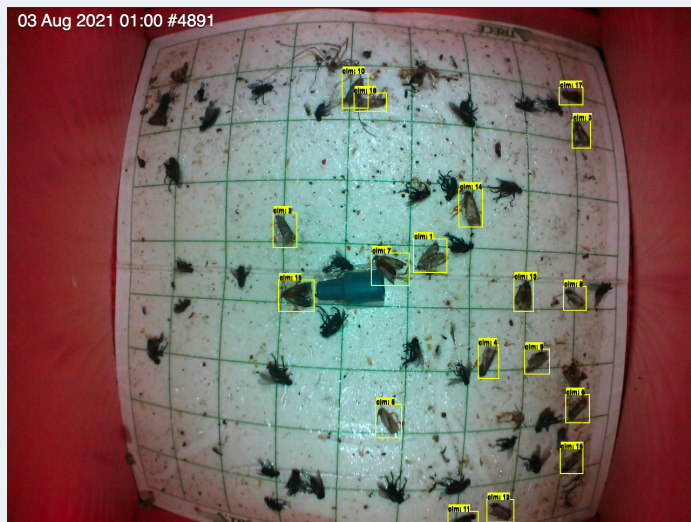
CropVue™ traps consist of two parts - a sensor controller and a folded coroplast trap. With a variety of trap designs and colors, it is easy to combine the two into a remote trap suitable for a variety of pests.

Daily Images and AI Results



A 2Mp color image is taken daily of the inner trap liner which is stored and processed on the CropVue™ cloud. AI results are available to monitor pest count and overall pressure throughout the growing season.

Determine Biofix and Flights

With daily monitoring, it is easy to identify the biofix date when pests first appear in your fields. The biofix is then used for a degree day model to predict egg hatch and inform your crop protection approach. During the season, you can measure the onset, peak, and decline of each pest generation.



Example Image of Codling Moth with Automated AI Detection

Specifications	
Dimensions: Controller	192.6mm x 92.5mm x 44.8mm
Dimensions: Delta trap	196mm x 280mm x 147mm
Power source	Single lithium ion battery w/ solar panel recharging, expected life: 3-5 years, requires sunlight exposure
Power on	Single push in switch to power on w/ built-in LED indicator that flashes 10 seconds after power on to report battery level. Flashes indicate battery charge level (no flashes=dead, 5 flashes=full charge).
Liner	<p>Not supplied. Recommend sticky liner from Trece VI Delta liner, P/N: 3354-00, 9"x9" sticky surface. Replace after 6 weeks in field or > 50 pest capture.</p> 
Pheromone lure	<p>Not supplied: Depends on the type of pest. Usually installed with new liner.</p> 
Cellular service	Check field for cellular service before using. CropVue™ sensors require LTE-M, NBloT, or GSM/2G service. In many cases, LTE service may also work.
GPS	Built-in GPS will automatically determine trap location for mapping in the CropVue™ web application. Device must be placed outdoors for reception.
Camera imaging and lighting	Built-in 2Mp color camera with dual white LED lighting for high resolution pest images. Taken at night every 24 hours after power on and locking to location.
Mounting	Not supplied. Plastic coated hanger wire can be used to attach the trap suitable for orchards (hanger/hook) or row crops (post).