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**Treating the THIRD GENERATION of
Lobesia botrana (EGVM) in a quarantine area**

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If your Sonoma County vineyard is within a State Interior Quarantine for European Grapevine Moth (*Lobesia botrana*) and you are notified that your parcel is within 1000 meters (0.6 miles) from the location(s) that trapped moths, then you should consider making an insecticide application to the vineyard in that parcel to control this pest.

An application should be directed toward the [eggs or the smallest \(early stage\)](#) third generation larvae. Spray timing is relative to the appearance of the first male moth of the third flight found in pheromone traps in the Oakville/Rutherford area of Napa County. We are evaluating the degree-day models used in Europe, and the first moth of the third flight was predicted to occur in Oakville on August 4. **Moths found in Oakville traps August 5 are believed to be the start of this flight.**

Projected dates that the third flight will begin in areas of Sonoma County

Northern Carneros, Sonoma Cutrer, Arnold Drive – August 7
Santa Rosa – September 2
Windsor – August 17
Canyon Rd, Geyserville – August 1 (actual)

Experience in Europe indicates the third generation is protracted, and the numbers of trapped moths will *slowly* build to a peak. [A spray applied 10-15 days after the first moth of the third flight is trapped maximizes the length of time fruit is protected from the majority of larvae.](#)

Pre-Harvest Intervals and Maximum Residue Levels

Keep in mind the pre-harvest interval (PHI) of the material you choose as well as the maximum residue level (MRL) of that product. Choose a product carefully; learn if your grape buyer has concerns about specific materials. If you harvest prior to mid-September, a product that is a combination ovicide and larvacide may need to be used sooner than advised above. There are two options for these blocks: spray early or do not treat.

For organic growers, the options are limited to Entrust® (spinosad) and “Bt” (*Bacillus thuringiensis*) products. Entrust has about a 10 day residual. A Bt product should be reapplied after 7 days. Bt products have a PHI of 0 days.

Find local weather data online

Growers can compare Oakville temperatures with data collected by temperature sensors located in their own vineyards or temperature data accessible to the public online from several weather stations in Sonoma County. There are five stations in this county operated by the California Irrigation Management Information System (CIMIS).

<http://www.cimis.water.ca.gov/cimis/welcome.jsp> (The CIMIS station located at Oakville is CIMIS #77.) There are six weather stations here operated by Western Weather Group: <http://www.westernwx.com/sonoma/index.htm>