1135-92-1755   **Fabio A Milner*** (`milner@asu.edu`), P.O. Box 871804, Tempe, AZ 85287-1804, and **Delphine Picart** and **Denis Thiery**. *Optimal treatment schedule for a vineyard pest.*

A model for the control of the European grapevine moth (Lobesia botrana) will be presented, including two control methods: insecticides and mating disruption. It is designed to yield the combination and schedule of application that minimizes the cost and losses due to the pest. A simulation of an experimental situation based on real-life data will be presented. (Received September 24, 2017)