



2019 Gypsy Moth Eradication

In 2018, delimitation and add on traps detected 27 gypsy moths (*Lymantria dispar dispar*) in and around two apartment complexes in Benton County/ Corvallis. These detections resulted in a gypsy moth eradication that occurred May 6th- May 10th and May 20th-May 24th 2019. The eradication consisted of two ground applications of Foray® XG (*Bacillus thuringiensis Kurstaki*).

The treatment zone was approximately 40 acres and consisted of two apartment complexes, Whitham Hill Oaks and OakVale apartment complexes, and nine houses in a nearby neighborhood on NW Souza Place. The introductory pathway is unknown, but since the apartment's residents are mostly college students, it is presumed to have been transported on a vehicle or by personal belongings from a resident moving from an infested state.

Notices about the spray plan were placed at high traffic areas (i.e. mailboxes and laundry rooms) at both apartment complexes on Thursday May 2. Witham Hill Oaks management also distributed notices to each door with details about the planned spray operations and what to expect to see and hear, as well as contact information if residents had questions. Consent to treat the nine single family residences along NW Souza Place were contacted in person and with door notices on May 9. All households in this area provided consent for the gypsy moth treatment.

The entire treatment zone was sprayed in the first week of treatment (with the exception of a house because of the homeowners delayed response on giving permission to treat), and then the entire area was re-treated during the second week of the eradication. The treatment area was divided into five sections, one for each day of treatment, and approximately 8 acres were treated per day. Three "hot zone" trees in the treatment zone were treated four times during the eradication because those trees trapped the highest numbers of gypsy moth during the 2018 delimitation.

Applicators from Arborcare Inc. assisted in the eradication. Foray® XG was applied per label instructions and the total amount of product used was 34.5 quarts at a rate of ~0.62 fl oz/ 1000 sq ft.

ODA, USDA, and ODF staff all played a role as ground crew and oversaw the application to make sure everything was to label. Ground crews were available for questions from residents, helped guide cars and pedestrians around the spray area, put up notices and door notices, and alerted residents with sliding doors and windows open in the spray area. The attitude from the residents was mostly positive, with many questions regarding if the pesticide was safe, how would it effect children/pets, and how soon the treatment area could be re-entered.

Day 1 Treatment Area:



Day 2 Treatment Area:



Day 3 Treatment Area:



Imagery ©2019 Google, Map data ©2019 Google 200 ft

Day 4 Treatment Area:



Imagery ©2019 Google, Map data ©2019 Google 200 ft

Day 5 Treatment Area:

