

USFS Gypsy Moth Suppression Project Summary 2014

Ohio Department of Agriculture (Cooperative)

Proposed Acres: 703 (628 ac with Gypchek (NPV, double app); 75 ac with Dimilin 4L (DFB, single app))

Treated Acres 0

Project Objectives:

1. To prevent defoliation from exceeding 30% on 80% or more of host trees.
2. To reduce populations below pre-treatment thresholds so that treatment would not be necessary the following year.

Contractor(s): Prime Air LLC

Aircraft: Air Tractor 502

Formulation(s): Gypchek 10¹¹/ac/app (double) @ Ttl. Sol. - .5 gal/ac/app
Dimilin 4L 1 oz/ac (single) @ Ttl. Sol. - .5 gal/ac/app

Cost/acre (including application):

Prime Air LLC	\$26.39/acre (si	Dimilin 4L
Prime Air LLC	\$42.56/acre (d	Gypchek

Federal Share: \$14,650

State Share: \$14,650

Percent Acres Treated:

Private	100
State	0
Federal	0

Percent Acres Treated Successfully:

1. 5% (based on objective 1)
2. 5% (based on objective 2)

Note: 1. Defoliation still occurred in 3 of the 4 treatment blocks. Defoliation levels were less than 2013 levels, but still noticeable.

2. Post treat egg mass counts were reduced from 86.7 - 98.3%. Pre-treat levels were so high that even with the post-treat reduction 3 of the blocks still have egg mass counts above the thresholds and will need to be re-treated in 2015.

2014 Suppression Treatment Results

County	BlockName	Acres	Product	Pre-TreatEggMassCntPerAc	Post-TreatEggMassCntPerAc	%Reduction
Lucas	Damasco-BigSandy	132	Gypchek	8,309	988	88.1
Lucas	Oak Openings	496	Gypchek	6,944	448	93.6
Stark	Canal Fulton	30	Dimilin4L	2,970	50	98.3
Stark	Nimisilla Park	45	Dimilin4L	11,670	1,547	86.7

Number of Landowners Treated: 0

Number of Communities Treated: 0

Defoliated Area: 176

Acres to be Retreated: 3 blocks