**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 $10^{11}$/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):**

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Cost/acre (including application)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Air LLC</td>
<td>$26.39/acre (single) Dimilin 4L</td>
</tr>
<tr>
<td>Prime Air LLC</td>
<td>$42.56/acre (double) Gypchek</td>
</tr>
</tbody>
</table>

**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 retreated in 2015.

### 2014 Suppression Treatment Results

<table>
<thead>
<tr>
<th>County Block Name</th>
<th>Acres</th>
<th>Product</th>
<th>Pre-Treat Egg Mass Cnt Per Ac</th>
<th>Post-Treat Egg Mass Cnt Per Ac</th>
<th>% Reduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lucas Damasco-BigSandy</td>
<td>132</td>
<td>Gypchek</td>
<td>8,309</td>
<td>988</td>
<td>88.1</td>
</tr>
<tr>
<td>Lucas Oak Openings</td>
<td>496</td>
<td>Gypchek</td>
<td>6,944</td>
<td>448</td>
<td>93.6</td>
</tr>
<tr>
<td>Stark Canal Fulton</td>
<td>30</td>
<td>Dimilin4L</td>
<td>2,970</td>
<td>50</td>
<td>98.3</td>
</tr>
<tr>
<td>Stark Nimisilla Park</td>
<td>45</td>
<td>Dimilin4L</td>
<td>11,670</td>
<td>1,547</td>
<td>86.7</td>
</tr>
</tbody>
</table>

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 176

**Acres to be Retreated:** 3 blocks

*Report generated from USFS State and Private Forestry Suppression Summary Database 3/10/2016*