USFS Gypsy Moth Suppression Project Summary 2007

Virginia Department of Agriculture (Cooperative)

Proposed Acres: 12,625 (9,500 with Btk; 2,965 with Dimilin; 160 with Gypchek)
Treated Acres: 12,580 (9,459 with Btk; 2,965 with Dimilin; 166 with Gypchek)

Project Objectives:
1. Foliage protection (defoliation less than 30%)
2. Population reduction so that treatment will not be required in 2007.

Contractor(s): Provine Helicopter Service, Inc.
Maurice's Flying Service
Al's Aerial Spraying

Aircraft: Air Tractor 502
Bell 206B
Turbine Thrush

Formulation(s):
- Foray 76B: 0.3 gal/acre @ 25 BIU/acre
- Foray 76B: 0.5 gal/acre @ 38 BIU/acre
- Dimilin: 1.0 gal/acre @ 0.5 oz/ai/acre
- Gypchek: 2 x 10(11) Obs/acre

Cost/acre (including application):
- Al’s Aerial Spraying: $29.38 Dimilin
- Maurice’s Flying Service: $31.00 Dimilin
- Maurice’s Flying Service: $42.48 Btk (38 BIU)
- Maurice’s Flying Service: $36.64 Btk (25 BIU)
- Provine Helicopter Service, Inc.: $41.28 Gypchek
- Provine Helicopter Service, Inc.: $41.95 Btk
- Provine Helicopter Service, Inc.: $41.98 Btk

Federal Share: $235,000
State Share: $235,000

Percent Acres Treated: Private 100

Percent Acres Treated Successfully:
1. 85% had no defoliation greater than 30% (based on Objective 1).
2. 78% will not require retreatment (based on Objective 2).

Number of Landowners Treated: 0
Number of Communities Treated: 0
Defoliated Area: 73,408 (1,855 acres received defoliation)
Acres to be Retreated: 2769