

USFS Gypsy Moth Suppression Project Summary 2015

Wisconsin Department of Natural Resources (Cooperative)

Proposed Acres: 41 with Btk

Treated Acres 41 with Btk

Project Objectives: Suppress gypsy moth outbreaks where requested to prevent defoliation in excess of 50%.

This is the 15th year for the gypsy moth suppression program in Wisconsin. The number of acres treated was very low, only 41 acres at a single site were treated with Foray 48B. Populations throughout the state were low.

The objective of the Wisconsin suppression program is to prevent defoliation in excess of 50% over 80% of a treated area in order to prevent stress of trees that could lead to injury or mortality. The WI suppression program is voluntary, so the residents or communities must request treatment. In addition, there are eligibility requirements for proposed spray blocks. A proposed spray block must,

- 1) be at least 20 compact and contiguous acres,
- 2) have a canopy coverage of >50%,
- 3) >50% of the canopy must be favored hosts, and
- 4) there must be a minimum average egg mass density of 500 egg masses/acre in residential or high use, public recreational lands or 1000 egg masses/acre in rural land.

Contractor(s): Al's Aerial Spraying

Aircraft: Turboprop AgTractor 401 w microns
Turboprop AgTractor 502 w microns

Formulation(s): Foray 48B 0.75 gallon/acre 36 CLUs

Cost/acre (including application):

Al's Aerial Spraying	\$43.90/acre	Foray 48B	Rock County
----------------------	--------------	-----------	-------------

Federal Share: \$1,900

State Share: \$3,728

Percent Acres Treated:	Private	100
	State	0
	Federal	0

Percent Acres Treated Successfully: The spray block was surveyed on the ground in Late June to determine the degree of foliage protection. Since the goal of the WI suppression program is foliage protection, we do not measure population reduction directly. Treatment of the block was successful at keeping defoliation below 50% on 80% of the trees in the block, the suppression programs goal.

Number of Landowners Treated: 0

Number of Communities Treated: 0

Defoliated Area: 0

Acres to be Retreated: