

# Gypsy Moth Suppression Summaries by State/Site and Year

## Baltimore Washington Parkway

2003

**Proposed Acres:** 62 (with Gypchek)

**Treated Acres:** 62 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$1,287

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

# Gypsy Moth Suppression Summaries by State/Site and Year

## Beltsville Agricultural Research Service

2003

**Proposed Acres:** 992 (with Gypchek)

**Treated Acres:** 992 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$20,584

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Blue Ridge Parkway

2001

**Proposed Acres:** 338 (338 ac. Btk)

**Treated Acres:** 338 (338 ac. Btk)

**Project Objectives:** 1. Reduce the risk of defoliation to prevent hazard trees in developed areas

**Contractor(s):** Ag Rotors **Aircraft:** Bell 206

**Formulation(s):** Thuricide 47LV 64 oz/ac @ 24 BIU/ac

**Cost/acre (including application):**

Ag Rotors \$39.20 ac Thuricide 47LV

**Federal Share:** \$26,500

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 5,300

**Acres to be Retreated:** 5,300

## Blue Ridge Parkway

2002

**Proposed Acres:** 508 (with double Btk)

**Treated Acres:** 508 (with double Btk)

**Project Objectives:** 1. Reduce the risk of defoliation to prevent hazard trees in developed areas

**Contractor(s):** Summit Helicopters **Aircraft:** Bell 206L4

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac

**Cost/acre (including application):**

Summit Helicopters \$25.55 ac Foray 48F

**Federal Share:** \$28,783

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 98%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 2,274 (10 acres in treatment blocks)

**Acres to be Retreated:** 0

## Blue Ridge Parkway

2003

**Proposed Acres:** 2,066 (with double Btk)

**Treated Acres:** 2,066 (with double Btk)

**Project Objectives:** 1. Reduce the risk of defoliation to prevent hazard trees in developed areas.

**Contractor(s):** Summit Helicopters

**Aircraft:** Bell 206-L3

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac

**Cost/acre (including application):**

Summit Helicopters \$23.55 ac Foray 48F

**Federal Share:** \$70,104

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0 0

**Acres to be Retreated:** 0

## Catoctin Mountain Park

2001

**Proposed Acres:** 840 (840 ac. Btk)

**Treated Acres:** 840 (840 ac. Btk)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2002

**Contractor(s):** Ag Rotors

**Aircraft:** Bell 205

**Formulation(s):** Foray 48F 96 oz/ac @ 36 BIU/ac

**Cost/acre (including application):**

Ag Rotors \$26.40 ac Foray 48F

**Federal Share:** \$22,176

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 94%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 39

**Acres to be Retreated:** 55

## Catoctin Mountain Park

2002

**Proposed Acres:** 401 (with Gypchek)

**Treated Acres:** 401 (with Gypchek)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2003

**Contractor(s):** Ag Rotors **Aircraft:** Bell 206

**Formulation(s):** Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

AgRotors, Inc. \$24.43 ac Gypchek

**Federal Share:** \$9,797

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 89%  
2. 90%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 46 (44 acres in treatment blocks)

**Acres to be Retreated:** 40

## Chesapeake Marshlands NWR Complex

2000

**Proposed Acres:** 612

**Treated Acres:** 608

**Project Objectives:** 1. Foliae protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2001

**Contractor(s):** Helicopter Applicators **Aircraft:** Bell 47 Soloy

**Formulation(s):** Foray 48F 96 oz/ac @ 36 BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.00 ac Foray 48F

**Federal Share:** \$24,320

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 93%  
2. 78%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 270 (41 acres within the treatment area)

**Acres to be Retreated:**



## Chesapeake Marshlands NWR Complex

2001

**Proposed Acres:** 1,752 (1,400 ac. Double Btk, 352 ac. Single Btk)

**Treated Acres:** 1,752 (1,400 ac. Double Btk, 352 ac. Single Btk)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2002

**Contractor(s):** Helicopter Applicators **Aircraft:** Bell 206

**Formulation(s):** Foray 48F 96 oz/ac @ 36 BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$27.75 ac Foray 48F

**Federal Share:** \$100

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 1,703

**Acres to be Retreated:** 0

## Chesapeake Marshlands NWR Complex

2002

**Proposed Acres:** 645 (with Gypchek)

**Treated Acres:** 645 (with Gypchek)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2003

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Helicopter Applicators \$26.50 ac Gypchek

**Federal Share:** \$23,000

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 99%  
2. 92%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 88 (2 acres in treatment blocks)

**Acres to be Retreated:** 50

## Chesapeake Marshlands NWR Complex

2003

**Proposed Acres:** 800 (with Gypchek)

**Treated Acres:** 800 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Helicopter Applicators \$24.80 ac Gypchek

**Federal Share:** \$19,840

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

# Gypsy Moth Suppression Summaries by State/Site and Year

## Cuyahoga Valley National Park

2000

**Proposed Acres:** 6,250 (5,450 ac. double Btk; 800 ac. double Gypchek)

**Treated Acres:** 7,140 (6,340 ac. double Btk; 800 ac. double Gypchek)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2001

**Contractor(s):** Earl's Spray Service

**Aircraft:** Turbine AgCat  
Turbine Thrush

**Formulation(s):** Thuricide 48LV 96 oz/ac @ 36 BIU/ac  
Gypchek 1 gal/ac @ 2 x 10 (11) Obs/ac

**Cost/acre (including application):**

Earl's Spray Service	\$13.62 ac	Gypchek
Earl's Spray Service	\$13.62 ac	Thuricide 48LV

**Federal Share:** \$194,494

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 99%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 259 (71 acres within the treatment area)

**Acres to be Retreated:**

## Fredericksburg/Spotsylvania NMBP

2003

**Proposed Acres:** 100 (with Btk)

**Treated Acres:** 100 (with Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation less than or equal 30 percent).  
2. Population reduction below treatment threshold of 500 egg masses per acre

**Contractor(s):** Earl's Spray Service

**Aircraft:** Turbine Thrush

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 BIU/ac

**Cost/acre (including application):**

Earl's Spray Service \$17.31 ac Foray 76B

**Federal Share:** \$1,731

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## George Washington/Jefferson National Forest

2001

**Proposed Acres:** 4,338 (2,797 ac DFB; 1,030 ac. Double app. Btk, 522 ac. Single app of Btk)

**Treated Acres:** 4,338 (2,797 ac DFB; 1,030 ac. Double app. Btk, 522 ac. Single app of Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation less than of equal 40 percent)  
2. Population reduction below treatment threshold

**Contractor(s):** Ag Rotors **Aircraft:** Bell 206

**Formulation(s):** Thuricide 48LV 64 oz/ac @ 24 BIU/ac  
Dimilin 4L 1 gal/ac @ 2 oz/ai/ac

**Cost/acre (including application):**

Ag Rotors	\$39.90 ac	Dimilin
Ag Rotors	\$32.20 ac	Thuricide 48LV

**Federal Share:** \$208,667

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 99%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 317,619 (10 acres in the treatment blocks)

**Acres to be Retreated:** 10

## George Washington/Jefferson National Forest

2002

**Proposed Acres:** 8,046 (6,743 ac. Btk; 1,038 ac. DFB; 265 ac. Gypchek)

**Treated Acres:** 8,046 (6,743 ac. Btk; 1,038 ac. DFB; 265 ac. Gypchek)

**Project Objectives:** 1. Foliage protection (limit defoliation less than of equal 40 percent)  
2. Population reduction below treatment threshold

**Contractor(s):** Summit Helicopters **Aircraft:** Bell 206

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac  
Dimilin 1 gal/ac @ .50 oz/ai/ac  
Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Summit Helicopters	\$19.95 ac	Gypchek
Summit Helicopters	\$24.25 ac	Dimilin
Summit Helicopters	\$25.55 ac	Foray 48F

**Federal Share:** \$224,774

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 99%  
2. 98%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 49,366 (100 acres in treatment blocks)

**Acres to be Retreated:** 159

## George Washington/Jefferson National Forest

**2003**

**Proposed Acres:** 2,507 (840 ac. Single Btk; 1266 ac. Double Btk; 580 ac. Double Gypchek; 518 ac. DFB)

**Treated Acres:** 2,507 (840 ac. Single Btk; 1266 ac. double Btk; 580 ac. Double Gypchek; 518 ac. DFB)

**Project Objectives:**

1. Foliage protection (limit defoliation less than of equal 40 percent.
2. Population reduction below treatment threshold

**Contractor(s):** Summit Helicopters **Aircraft:** Bell 206-L3

**Formulation(s):**

Foray 48F	0.5 gal/ac @ 24 BIU/ac
Dimilin	1.0 gal/ac @ 0.5 oz/ai/ac
Gypchek	1.0 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Summit Helicopters	\$18.55 ac	Gypchek
Summit Helicopters	\$23.26 ac	Dimilin
Summit Helicopters	\$23.55 ac	Foray 48F

**Federal Share:** \$97,636

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:**

1. 100%
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 53,098 0

**Acres to be Retreated:** 0



## Goddard Spce Flight Center

2003

**Proposed Acres:** 42 (with Gypchek)

**Treated Acres:** 42 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$872

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Great Falls Area of C & O Canal

2002

**Proposed Acres:** 298 (with Gypchek)

**Treated Acres:** 298 (with Gypchek)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2003

**Contractor(s):** Ag Rotors **Aircraft:** Bell 206

**Formulation(s):** Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

AgRotors, Inc. \$24.43 ac Gypchek

**Federal Share:** \$7,281

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Greenbelt Park

2003

**Proposed Acres:** 352 (with Gypchek)

**Treated Acres:** 352 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$7,304

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Harpers Ferry National Historic Park

2001

**Proposed Acres:** 1,195 (1,195 double app Gypchek)

**Treated Acres:** 1,195 (1,195 double app Gypchek)

**Project Objectives:** 1. Foliage Protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2002

**Contractor(s):** Ag Rotors **Aircraft:** Bell 205

**Formulation(s):** Gypchek 1 gal/ac @ 10 (10) Obs/ac

**Cost/acre (including application):**

Ag Rotors \$26.40 ac Gypchek

**Federal Share:** \$11,225

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 85%  
2. 79%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 180 (175 acres in treatment blocks)

**Acres to be Retreated:** 250

## Harpers Ferry National Historic Park

2002

**Proposed Acres:** 250 (with Gypchek)

**Treated Acres:** 250 (with Gypchek)

**Project Objectives:** 1. Foliage Protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2003

**Contractor(s):** Ag Rotors **Aircraft:** Bell 206

**Formulation(s):** Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

AgRotors, Inc. \$24.43 ac Gypchek

**Federal Share:** \$6,108

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## James J. Rowley Training Center

2003

**Proposed Acres:** 92 (with Gypchek)

**Treated Acres:** 92 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$1,909

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

# Gypsy Moth Suppression Summaries by State/Site and Year

## Maryland Department of Agriculture

2000

**Proposed Acres:** 18,930 (6,462 ac. Btk; 12,468 ac. DFB)

**Treated Acres:** 16,971 (7,314 ac. Btk; 9,657 ac. DFB)

**Project Objectives:** 1. Foliage protection (defoliation less than or equal to 30% on 90% of foliage)  
2. Population reduction so that treatment will not be required in 2001 with DFB

**Contractor(s):** Helicopter Applicators  
Air Enterprises

**Aircraft:** Bell 204  
Bell 206  
Bell Soloy  
Piston Ag-Cat

**Formulation(s):** Thuricide 48LV 0.5 gal/ac @ 24 BIU/ac  
Thuricide 48LV 96 oz/ac @ 36 BIU/ac  
Dimilin 1 gal/ac @ .25 oz/ai/ac

**Cost/acre (including application):**

Air Enterprises	\$16.59 ac		Eastern Shore
Helicopter Applicators	\$18.49 ac	Dimilin	
Helicopter Applicators	\$20.48 ac	Thuricide 48LV	
Helicopter Applicators	\$31.21 ac	Thuricide 48LV	metro areas only

**Federal Share:** \$607,000

**State Share:** \$731,511

**Percent Acres Treated:** Federal 2  
State 46  
Private 52

**Percent Acres Treated Successfully:** 1. 96%  
2. 79%

**Number of Landowners Treated:** 3,323

**Number of Communities Treated:** 500

**Defoliated Area:** 23,231 (647 acres in treatment blocks)

**Acres to be Retreated:**

## Maryland Department of Agriculture

2001

**Proposed Acres:** 49,866 (24,572 ac. Btk; 25,294 ac. DFB)

**Treated Acres:** 48,588 (27,594 ac. Btk; 20,994 ac. DFB)

**Project Objectives:** 1. Foliage protection (defoliation less than or equal to 30% on 90% of foliage)  
2. Population reduction so that treatment will not be required in 2002 with DFB

**Contractor(s):** Helicopter Applicators  
Prime Air  
Ag Roters

**Aircraft:** Bell 204  
Bell 205  
Bell 206B  
OH58  
Piper Aztec  
Turbo Thrush  
UH1H

**Formulation(s):** Thuricide 48LV 0.5 gal/ac @ 24 BIU/ac  
Thuricide 48LV 96 oz/ac @ 36 BIU/ac  
Dimilin 1 gal/ac @ .25 oz/ai/ac

**Cost/acre (including application):**

Ag Roters	\$24.04 ac	Dimilin
Ag Roters	\$28.63 ac	Thuricide 48LV
Helicopter Applicators	\$17.34 ac	Thuricide 48LV
Prime Air	\$12.16 ac	Dimilin

**Federal Share:** \$934,000

**State Share:** \$1,117,503

**Percent Acres Treated:** Federal 1  
State 50  
Private 49

**Percent Acres Treated Successfully:** 1. 92%  
2. 93%

**Number of Landowners Treated:** 15,323

**Number of Communities Treated:** 0

**Defoliated Area:** 46,183 (4,028 acres in treatment blocks)

**Acres to be Retreated:** 6,947



## Maryland Department of Agriculture

2002

**Proposed Acres:** 46,837 (22,896 ac. Btk; 23,941 ac. DFB)

**Treated Acres:** 39,263 (21,213 ac. Btk; 18,050 ac. DFB)

**Project Objectives:** 1. Foliage protection (defoliation less than or equal to 30% on 90% of foliage)  
2. Population reduction so that treatment will not be required in 2003 with DFB

**Contractor(s):** Helicopter Applicators  
Evergreen Helicopters  
Aero Tech  
State Owned

**Aircraft:** Air Tractor 802  
Bell 205  
Bell 206  
Bell 212  
Bell 47 Soloy  
Piper Aztec

**Formulation(s):** Thuicide 48LV 0.5 gal/ac @ 24 BIU/ac  
Foray 48F 0.5 gal/ac @ 24 BIU/ac  
Foray 48F 96 oz/ac @ 36 BIU/ac  
Dimilin 1 gal/ac @ .25 oz/ai/ac  
Dimilin 1 gal/ac @ .32 oz/ai/ac

**Cost/acre (including application):**

Aero Tech	\$6.64 ac	Dimilin	Cecil County
Aero Tech	\$6.64 ac	Foray 48F	Cecil County
Evergreen Helicopters	\$21.90 ac	Thuricide 48LV	Central
Evergreen Helicopters	\$16.09 ac	Dimilin	Central
Helicopter Applicators	\$19.03 ac	Dimilin	Western
Helicopter Applicators	\$19.03 ac	Foray 48F	Western
Helicopter Applicators	\$31.72 ac	Dimilin	Southern metro
Helicopter Applicators	\$31.72 ac	Foray 48F	Southern metro

**Federal Share:** \$905,565

**State Share:** \$905,565

**Percent Acres Treated:** Federal 1 (Department of Interior)  
State 19  
Private 80

**Percent Acres Treated Successfully:** 1. 98%  
2. 97%

**Number of Landowners Treated:** 15,254

**Number of Communities Treated:** 0

**Defoliated Area:** 13,739 (694 acres in treatment blocks)

**Acres to be Retreated:** 627

## Maryland Department of Agriculture

2003

**Proposed Acres:** 15,001 (5,700 ac. Btk; 9,301 ac. DFB)

**Treated Acres:** 14,053 (5,646 ac. Btk; 8,406 ac DFB)

**Project Objectives:** 1. Foliage protection (defoliation less than or equal to 30% on 90% of foliage).  
2. Population reduction so that treatment will not be required in 2004 with DFB

**Contractor(s):** Helicopter Applicators  
Provine Helicopters

**Aircraft:** Ayers Thrush  
Bell 206B  
OH-58

**Formulation(s):** Foray 76B 0.4 gal/ac @ 36 BIU/ac  
Foray 48F 0.5 gal/ac @ 24 BIU/ac  
Thuricide 48LV 0.5 gal/ac @ 24 BIU/ac

**Cost/acre (including application):**

Helicopter Applicators (project 120)	\$6.10 ac	Dimilin
Helicopter Applicators (project 120)	\$9.10 ac	Foray 48F @ 24/BIU
Helicopter Applicators (project 123)	\$14.87 ac	Foray 76B @ 34 BIU/ac metro areas
Provine Helicopters (project 121)	\$20.29 ac	Dimilin
Provine Helicopters (project 121)	\$20.72 ac	Thuricide 48LV
Provine Helicopters (project 122)	\$34.64 ac	Foray 76B @ 24 BIU/ac metro areas

**Federal Share:** \$750,000

**State Share:** \$878,772

**Percent Acres Treated:** Federal 0  
State 26  
Private 74

**Percent Acres Treated Successfully:** 1. 100%  
2. 98%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 5,141 (112 acres in the treatment blocks)

**Acres to be Retreated:** 243

## Maryland Department of Agriculture

2004

**Proposed Acres:** 660 (with Btk)

**Treated Acres:** 660 (All Btk)

**Project Objectives:** 1. Foliage protection (defoliation less than or equal to 30%).  
2. Population reduction so that treatment will not be required in 2005.

**Contractor(s):** MDA **Aircraft:** Piper Aztec

**Formulation(s):** Foray 76B 43 oz/ac @ 24 BIU/ac

**Cost/acre (including application):**

MDA

**Federal Share:** \$227,000

**State Share:** \$256,000

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 100  
2. 100

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Maryland Department of Agriculture

**2006**

**Proposed Acres:** 25,502 (14,634 with Btk; 10,868 with Dimilin)

**Treated Acres:** 25,454 (14,605 ac. With Btk, 10,849 ac. with Dimilin)

**Project Objectives:**

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

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 204  
Bell 206

**Formulation(s):** Foray 48F 24 BIU/ac  
Dimilin 3/4 gal/ac @ 0.25 oz/ai/ac

**Cost/acre (including application):**

Helicopter Applicators	\$15.73 ac	Dimilin
Helicopter Applicators	\$23.27 ac	Foray 48F

**Federal Share:** \$445,500

**State Share:** \$707,290

**Percent Acres Treated:**

private	42
state	58
Federal	0

**Percent Acres Treated Successfully:**

1. Based on objective 1 listed above = 90.2%
2. Based on objective 2 listed above = not available.

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 15,793 (2,497 in treated areas)

**Acres to be Retreated:** 0

## Maryland Department of Agriculture

2007

**Proposed Acres:** 65,035 (39,431 with Btk, 25,604 with Dimilin)

**Treated Acres:** 50,172 (34,363 with Btk, 15,810 with Dimilin)

**Project Objectives:**

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

**Contractor(s):** Summit Helicopters

**Aircraft:** Bell 205 A1  
Bell 206 L3  
Bell 206 L4

**Formulation(s):** Foray 48F 24 BIU/ac  
Dimilin 3/4 gal/ac @ 0.25 oz/ai/ac

**Cost/acre (including application):**

Summit Helicopters, Inc.	23.60	Dimilin
Summit Helicopters, Inc.	32.20	Foray 48F

**Federal Share:** \$562,000

**State Share:** \$1,824,223

**Percent Acres Treated:**

Private	58
State	41
Federal	1

**Percent Acres Treated Successfully:**

1. 91% based on objective 1 listed above.
2. 63% based on objective 2 listed above.

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 68,460 (4,706 acres in treated area)

**Acres to be Retreated:** 34316

## Michigan Department of Agriculture

2000

**Proposed Acres:** 91,095 (85,924 ac. with Btk; 5,171 ac. with Gypchek)

**Treated Acres:** 78,439 (73,408 ac. with Btk; 5,031 ac. with Gypchek)

**Project Objectives:**

1. Foliage protection (preserve 60% of foliage)
2. Population reduction below pre-treatment threshold

**Contractor(s):** Al's Aerial Spraying  
Hatfield's Spraying Service

**Aircraft:** Air Tractor 502  
Dromader  
Turbine Thrush

**Formulation(s):**

Foray 48F	64 oz/ac @ 24 BIU/ac
Foray 76B	43 oz/ac @ 24 BIU/ac
Thuricide 48LV	64 oz/ac @ 24 BIU/ac
Gypchek	1 gal/ac @ 2 x 10 (11) Obs/ac

**Cost/acre (including application):**

\$13.47 ac - \$31

**Federal Share:** \$1,418,000

**State Share:** \$1,993,426

**Percent Acres Treated:**

State	2 (Buffer areas only)
Private	99

**Percent Acres Treated Successfully:**

1. 98%
2. 100%

**Number of Landowners Treated:** 79,000

**Number of Communities Treated:** 19

**Defoliated Area:** 96,929 (1,500 acres in treatment blocks)

**Acres to be Retreated:**

## Michigan Department of Agriculture

2001

**Proposed Acres:** 6,465 (5,906 ac. with Btk; 559 ac. with Gypchek)

**Treated Acres:** 5,947 (5,388 ac. with Btk; 559 ac. with Gypchek)

**Project Objectives:**

1. Foliage protection (preserve 60% of foliage)
2. Population reduction below pre-treatment threshold

**Contractor(s):** Lutes Flying Service  
 Ag Spraying Service  
 Ag Rotors

**Aircraft:** Bell 206  
 Bell 47 Soloy  
 Turbine AgCat  
 Weatherly 620B

**Formulation(s):**

Foray 48F	64 oz/ac @ 24 BIU/ac
Foray 76B	43 oz/ac @ 24 BIU/ac
Thuricide 48LV	64 oz/ac @ 24 BIU/ac
Gypchek	1 gal/ac @ 2 x 10 (11) Obs/ac

**Cost/acre (including application):**

Ag Rotors	\$49.70 ac
Ag Spraying Service	\$16.83 ac
Lutes Flying Service	\$21.72 ac

**Federal Share:** \$300,000

**State Share:** \$374,000

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:**

1. 100%
2. 100%

**Number of Landowners Treated:** 6,713 55,000 recreational users in recreational areas

**Number of Communities Treated:** 80

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Michigan Department of Agriculture

2002

**Proposed Acres:** 2,564 (with Btk)

**Treated Acres:** 2,271 (with Btk)

**Project Objectives:** 1. Foliage protection (preserve 60% of foliage)  
2. Population reduction below pre-treatment threshold

**Contractor(s):** Ag Spraying Service **Aircraft:** Weatherly 620B

**Formulation(s):** Thuricide 48LV 0.5 gal/ac @ 24 BIU/ac

**Cost/acre (including application):**

Ag Spraying Service \$14.87 ac Thuricide 48LV

**Federal Share:** \$844,900

**State Share:** \$844,900

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0



## Michigan Department of Agriculture

2003

**Proposed Acres:** 30,000 (with Btk)

**Treated Acres:** 20,200 (with Btk)

**Project Objectives:**

1. Foliage protection (preserve 60% of foliage).
2. Population reduction below pre-treatment threshold

**Contractor(s):** Maurice's Flying Service

**Aircraft:** Ayers Turbine Thrush

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac

**Cost/acre (including application):**

Maurice's Flying Service	\$9.68 ac	Foray 48F	Bid Item #2
Maurice's Flying Service	\$8.92 ac	Foray 48F	Bid Item #1

**Federal Share:**

**State Share:**

<b>Percent Acres Treated:</b>	State	1
	Private	99

**Percent Acres Treated Successfully:**

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 72,085

**Acres to be Retreated:**

## Michigan Department of Agriculture

2005

**Proposed Acres:** 4,433 (with Btk)

**Treated Acres:** 4,316 (with Btk)

**Project Objectives:**

1. Less than 25% defoliation on 90% or more of the acres treated.
2. Seventy-five percent of residents in treated blocks will indicate they find defoliation control to be acceptable to highly satisfied.
3. Seventy percent of residents in treated blocks will indicate they find nuisance control to be acceptable or they were highly satisfied.

**Contractor(s):** Hatfield's Spraying Service

**Aircraft:** Grumman 164-B Turbo AgCat

**Formulation(s):** Foray 48F 1/2 gal/ac @ 24/BIU ac

**Cost/acre (including application):**

Hatfield's Srpay Service \$28.75 ac Foray 48F

**Federal Share:** \$332,635

**State Share:** \$332,635

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:**

1. 98.9% of blocks evaluated had less than 25% defoliation.
2. 76% found defoliation protection to be "Acceptable" or were "highly Satisfied"
3. 75% found nuisance reduction to be "acceptable" or they were "highly satisfied"

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 149,207 N/A

**Acres to be Retreated:** 0

## Monocacy National Battlefield

2003

**Proposed Acres:** 40 (with Gypchek)

**Treated Acres:** 40 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$830

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Monongahela National Forest

2001

**Proposed Acres:** 14,840 (14,840 ac. Btk)

**Treated Acres:** 14,104 (565 ac. Btk (single app); 13,449 ac. Double app)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 40%)  
2. Population reduction below treatment threshold

**Contractor(s):** Maurice's Flying Service **Aircraft:** Turbine Thrush

**Formulation(s):** Foray 76B 43 oz/ac @ 24 BIU/ac  
Thuricide 76LV 43 oz/ac @ 24 BIU/ac

**Cost/acre (including application):**

Maurice's Flying Service \$14.62 ac Btk

**Federal Share:** \$396,000

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 97%  
2. 61%

**Number of Landowners Treated:**

**Number of Communities Treated:**

**Defoliated Area:** 46,039 (455 acres within the treatment blocks)

**Acres to be Retreated:** no retreat

## Monongahela National Forest

2003

**Proposed Acres:** 4,400 (with Btk)

**Treated Acres:** 4,236 (with Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 40%).  
2. Population reduction below treatment threshold

**Contractor(s):** Maurice's Flying Service **Aircraft:** Turbine Thrush

**Formulation(s):** Foray 48F 0.75 gal/ac @ 36 BIU/ac

**Cost/acre (including application):**

Maurice's Flying Service \$19.45 ac Foray 48F

**Federal Share:** \$85,580

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 8,585

**Acres to be Retreated:** 0

## National Plant Germplasm & Biotechnology Lab

2003

**Proposed Acres:** 60 (with Gypchek)

**Treated Acres:** 60 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$1,245

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## National Plant Materials Center

2003

**Proposed Acres:** 72 (with Gypchek)

**Treated Acres:** 72 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$1,494

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## New Jersey Department of Agriculture

2000

**Proposed Acres:** 385 (with Btk)

**Treated Acres:** 385 (with Btk)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of the host trees)  
2. Population reduction so that treatment will not be required in 2001

**Contractor(s):** Downtown Aero Crop Service **Aircraft:** Radial AgCat

**Formulation(s):** Foray 48B 81 oz/ac @ 30 BIU/ac

**Cost/acre (including application):**

Downtown Aero Crop Service \$18.84 ac Foray 48B

**Federal Share:** \$85,000

**State Share:** \$102,989

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 5%

**Number of Landowners Treated:** 80

**Number of Communities Treated:** 3

**Defoliated Area:** 132,762

**Acres to be Retreated:**



## New Jersey Department of Agriculture

2001

**Proposed Acres:** 12,841 (with Btk)

**Treated Acres:** 12,714 (with Btk)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of the host trees)  
2. Population reduction so that treatment will not be required in 2001

**Contractor(s):** Downtown Aero Crop Service

**Aircraft:** Piper Aztec  
Radial AgCat

**Formulation(s):** Foray 48B 81 oz/ac @ 30 BIU/ac

**Cost/acre (including application):**

Downtown Aero Crop Service	\$16.96 ac	Foray 48B	Northern Contract
Downtown Aero Crop Service	\$14.23 ac	Foray 48B	Southern Contract

**Federal Share:** \$277,700

**State Share:** \$240,763

**Percent Acres Treated:** State 33  
Private 67

**Percent Acres Treated Successfully:** 1. 64%  
2. 33%

**Number of Landowners Treated:** 16,325

**Number of Communities Treated:** 29

**Defoliated Area:** 140,838 (4,560 acres in treatment blocks)

**Acres to be Retreated:** 8,470

## New Jersey Department of Agriculture

2002

**Proposed Acres:** 24,000 (23,237 ac. single Btk; 763 ac. double Btk)

**Treated Acres:** 23,444 (22,681 ac. single Btk; 763 ac. double Btk)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of the host trees)  
2. Population reduction so that treatment will not be required in 2003

**Contractor(s):** Downtown Aero Crop Service

**Aircraft:** Dromader  
King Air  
Radial AgCat

**Formulation(s):** Foray 48F 96 oz/ac @ 36 BIU/ac

**Cost/acre (including application):**

Downtown Aero Crop Service	\$20.42 ac	Foray 48F	Northern Contract
Downtown Aero Crop Service	\$17.96 ac	Foray 48F	Southern Contract

**Federal Share:** \$360,000

**State Share:** \$360,000

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 84%  
2. 94%

**Number of Landowners Treated:**

**Number of Communities Treated:** 34

**Defoliated Area:** 41,750 (3,370 acres defoliated in treatment blocks)

**Acres to be Retreated:** 1,434

## New Jersey Department of Agriculture

2003

**Proposed Acres:** 6,260 (with Btk)

**Treated Acres:** 3,351 (1,800 Single Btk, 1,226 Double Btk)

**Project Objectives:**

1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of the host trees).
2. Population reduction so that treatment will not be required in 2004

**Contractor(s):** Downstowns Aero Crop Service

**Aircraft:** King Air  
Piston Ag-Cat

**Formulation(s):** Foray 48B 0.75 gal/ac @ 36 BIU/ac

**Cost/acre (including application):**

Downstowns Aero Crop Service	\$17.96 ac	Foray 48B	Southern Contract
Downstowns Aero Crop Service	\$20.24 ac	Foray 48B	Northern Contract

**Federal Share:** \$211,750

**State Share:** \$222,212

**Percent Acres Treated:**

Federal	0
State	20
Private	80

**Percent Acres Treated Successfully:**

1. 100%
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 5,141

**Acres to be Retreated:** 0

## New Jersey Department of Agriculture

2006

**Proposed Acres:** 16,632 (16,632 ac. Btk)

**Treated Acres:** 16,632 (16,632 ac. Btk)

**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):** Downtown Aero Crop Service

**Aircraft:** Ag Cat  
Dromader M-18

**Formulation(s):** Foray 48B 0.75 gal/ac @ 36 BIU/ac

**Cost/acre (including application):**

Downtown Aero Crop Service	\$39.44 ac	south
Downtown Aero Crop Service	\$39.94 ac	north

**Federal Share:** \$395,010

**State Share:** \$957,943

**Percent Acres Treated:**

private	89
state	9
federal	2

**Percent Acres Treated Successfully:** 1. 77%  
2. 47%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 125,743 (45,846 acres in the treatment area)

**Acres to be Retreated:** 24,325

## New Jersey Department of Agriculture

2007

**Proposed Acres:** 62,460 (39,697 acres 22,763 acres treated twice)

**Treated Acres:** 62,460 (39,697 acres 22,763 acres treated twice)

**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):** Downstown AeroCrop Service

**Aircraft:** Ag Cat  
Air Tractor 502  
Bell 206  
Dromader

**Formulation(s):** Foray 76B 38 BIU/ac

**Cost/acre (including application):**

Downstown AeroCrop Service	39.44/ac	Btk	North
Downstown AeroCrop Service	39.44/ac	Btk	South

**Federal Share:** \$1,495,990

**State Share:** \$1,500,991

**Percent Acres Treated:**

Private	98
Federal	2

**Percent Acres Treated Successfully:**

1. 16% of Objective 1.
2. 34% of Objective 2.

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 320,610 (33,488 acres in the treatment area)

**Acres to be Retreated:** 26108



## New Jersey Forest Service

2003

**Proposed Acres:** 1,000 (with Btk)

**Treated Acres:** 901 (with Btk)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of the host trees).  
2. Population reduction so that treatment will not be required in 2004

**Contractor(s):** Downstown Aero Crop Service

**Aircraft:** King Air  
Piston Ag-Cat

**Formulation(s):** Foray 48B 0.75 gal/ac @ 36 BIU/ac

**Cost/acre (including application):**

Downstowns Aero Crop Service \$20.24 ac Foray 48B Northern Contract

**Federal Share:** \$30,000

**State Share:** \$30,000

**Percent Acres Treated:** State 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Nicolet National Forest

2002

**Proposed Acres:** 250 (with Gypchek)

**Treated Acres:** 306 (with Gypchek)

**Project Objectives:** Prevent defoliation above 50%

**Contractor(s):** Al's Aerial Spraying

**Aircraft:** Air Tractor 502

**Formulation(s):** Gypchek 1 gal/ac @ 2 x 10 (11) Obs/ac

**Cost/acre (including application):**

Al's Aerial Spraying \$23.85 ac Gypchek

**Federal Share:** \$7,900

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0



# Gypsy Moth Suppression Summaries by State/Site and Year

## Ohio Department of Agriculture

2000

**Proposed Acres:** 34,201 (7,125 ac single Btk; 26,763 ac. double Btk; 50 Ac. double Gypchek; 262 ac. DFB)

**Treated Acres:** 35,250 (7,076 ac. single Btk; 27,862 ac. double Btk; 50 ac. double Gypchek; 262 ac. DFB)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2001 with DFB

**Contractor(s):** Earl's Spray Service

**Aircraft:** Turbine AgCat  
Turbine Thrush

**Formulation(s):** Thuricide 48LV 96 oz/ac @ 36 BIU/ac  
Dimilin 1 gal/ac @ .25 oz/ai/ac  
Gypchek 1 gal/ac @ 2 x 10 (11) Obs/ac

**Cost/acre (including application):**

Earl's Spray Service	\$13.62 ac	Gypchek
Earl's Spray Service	\$15.00 ac	Dimilin
Earl's Spray Service	\$13.62 ac	Thuricide 48LV

**Federal Share:** \$580,430

**State Share:** \$606,052

**Percent Acres Treated:** State 7  
Private 93

**Percent Acres Treated Successfully:** 1. 97%  
2. 62%

**Number of Landowners Treated:** 36,000

**Number of Communities Treated:** 35

**Defoliated Area:** 23,267 (200 acres within treatment blocks)

**Acres to be Retreated:**

## Ohio Department of Agriculture

**2001**

**Proposed Acres:** 36,962 (8,319 ac. single Btk; 9,998 ac. double Btk; 244 ac. double Gypchek; 8,159 ac. DFB)

**Treated Acres:** 36,226 (8,319 ac. single Btk; 9,998 ac. double Btk; 244 ac. double Gypchek; 7,423 ac. DFB)

**Project Objectives:**

1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)
2. Population reduction so that treatment will not be required in 2002 with DFB

**Contractor(s):** Earl's Spray Service

**Aircraft:** Turbine AgCat  
Turbine Thrush

**Formulation(s):**

Thuricide 48LV	96 oz/ac @ 36 BIU/ac
Dimilin	1 gal/ac @ .25 oz/ai/ac
Gypchek	1 gal/ac @ 2 x 10 (11) Obs/ac

**Cost/acre (including application):**

Earl's Spray Service	\$13.62 ac	Gypchek
Earl's Spray Service	\$15.00 ac	Dimilin
Earl's Spray Service	\$13.62 ac	Thuricide 48LV

**Federal Share:** \$396,000

**State Share:** \$401,000

**Percent Acres Treated:**

State	10
Private	90

**Percent Acres Treated Successfully:**

1. 91%
2. 50%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 42,459 (3,344 acres in treatment blocks)

**Acres to be Retreated:** 2,137

## Ohio Department of Agriculture

2002

**Proposed Acres:** 16,216 (3,048 ac. single Btk; 5,735 ac. double Btk; 1,698 ac. DFB)

**Treated Acres:** 15,983 (8,550 ac. single Btk; 5,735 ac. double Btk; 1,698 ac. DFB)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction of 80% with Dimilin

**Contractor(s):** Earl's Spray Service

**Aircraft:** Turbine Thrush

**Formulation(s):** Thuricide 76LV  
Dimilin

43 oz/ac @ 24 BIU/ac  
1 gal/ac @ .38 oz/ai/ac

**Cost/acre (including application):**

Earl's Spray Service	\$15.00 ac	Dimilin
Earl's Spray Service	\$13.62 ac	Thuricide 76LV

**Federal Share:** \$280,000

**State Share:** \$280,000

**Percent Acres Treated:** State 4  
Private 96

**Percent Acres Treated Successfully:** 1. 99%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 2,531 (10 acres in treatment block)

**Acres to be Retreated:** 0

## Ohio Department of Agriculture

2003

**Proposed Acres:** 2,126 (279 ac. Btk; 1,847 ac. DFB)

**Treated Acres:** 2,055 (408 ac. Btk; 1,647 ac. DFB)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees).  
2. Population reduction of 80% with Dimilin

**Contractor(s):** Prime Air **Aircraft:** Turbine Thrush

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 BIU/ac  
Dimilin 1.0 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Prime Air	\$17.80 ac	Dimilin
Prime Air	\$22.48 ac	Foray 76B

**Federal Share:** \$125,000

**State Share:** \$125,000

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 3,414

**Acres to be Retreated:** 0

## Ohio Department of Agriculture

2004

**Proposed Acres:** 290 (with Btk)

**Treated Acres:** 294 (with Btk)

**Project Objectives:** 1. Foliage protection (defoliation less than or equal to 30%).  
2. Population reduction so that treatment will not be required in 2005.

**Contractor(s):** Prime Air **Aircraft:** Turbine Thrush

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac

**Cost/acre (including application):**

Prime Air \$22.48 ac Foray 48F

**Federal Share:** \$65,450

**State Share:** \$68,777

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 100  
2. 100

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 5,731

**Acres to be Retreated:** 0

## Ohio Department of Agriculture

2005

**Proposed Acres:** 266 (with Btk)

**Treated Acres:** 266 (with Btk)

**Project Objectives:**

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

**Contractor(s):** Prime Air

**Aircraft:** Turbine Thrush

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac

**Cost/acre (including application):**

Prime Air \$17.47 ac Foray 48B

**Federal Share:** \$30,000

**State Share:** \$30,000

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:**

1. 91%
2. 76%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 1,213 (23 acres in treatment blocks)

**Acres to be Retreated:** 0

# Gypsy Moth Suppression Summaries by State/Site and Year

## Ohio Department of Agriculture

2006

**Proposed Acres:** 1,295 (1,240 ac. Btk; 55 ac. Gypchek)

**Treated Acres:** 1,286 (960 ac. Btk; 55 ac. Gypchek)

**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

**Aircraft:** Air Tractor 402  
Bell 47 Soloy  
Turbine Thrush

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 BIU/ac  
Gypchek 0.5 gal/ac @ 5 x 10(11) OBS/ac

**Cost/acre (including application):**

Prime Air	\$44.00 ac	Gypchek	Rotor
Prime Air	\$55.00 ac	Btk	Rotor
Prime Air	\$17.80 ac	Dimilin	Fixed Wing
Prime Air	\$21/46 ac	Btk	Fixed Wing

**Federal Share:** \$27,717

**State Share:** \$27,720

**Percent Acres Treated:** private 95  
state 5

**Percent Acres Treated Successfully:** 1. 93%  
2. 0%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 842 (87 acres in treatment blocks)

**Acres to be Retreated:** 1,240

## Ohio Department of Agriculture

**2007**

**Proposed Acres:** 5,677 (5,076 ac with Btk; 164 ac. With Gypchek; 437 ac with Dimilin)

**Treated Acres:** 5,675 (5,076 ac with Btk; 162 ac. With Gypchek; 437 ac with Dimilin)

**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

**Aircraft:** Air Tractor 402  
Bell 47 Soloy  
Turbine Thrush

**Formulation(s):**

Foray 76B	0.3 gal/ac @ 25 BIU/ac
Gypchek	0.5 gal/ac @ 2 x 10 (11) Obs/ac
Dimilin	0.5 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Prime Air	\$23.00 ac x 2	Gypchek	
Prime Air	\$17.80 ac x 2	Dimilin	
Prime Air	\$20.44 ac x 2	Btk	Rotor

**Federal Share:** \$130,129

**State Share:** \$130,129

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:**

1. 100%
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 1,755 (0 acres in treatment blocks)

**Acres to be Retreated:**



## Patuxent Research Refuge

2003

**Proposed Acres:** 2,782 (with Gypchek)

**Treated Acres:** 2,782 (with Gypchek)

**Project Objectives:** 1. To reduce gypsy moth populations below damaging thresholds with the least impact to non-target organisms.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 205

**Formulation(s):** Gypchek 1.0 gal/ac @ 4 x 10 (11) BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.75 ac Gypchek

**Federal Share:** \$57,727

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Pennsylvania Bureau of Forestry

2000

**Proposed Acres:** 101,211 (with Btk)

**Treated Acres:** 101,101 (with Btk)

**Project Objectives:** Foliage protection

**Contractor(s):** Ag Rotors, Inc. (Contract 1 and 3)  
Helicopter Applicators (Contract 2)

**Aircraft:** Air Tractor 802  
Bell 204  
Bell 205  
Bell 206

**Formulation(s):** Foray 48F 96 oz/ac @ 36 BIU/ac  
Foray 76B 64 oz/ac @ 38 BIU/ac

**Cost/acre (including application):**

AgRotors, Inc.	\$21.37 ac
AgRotors, Inc.	\$22.37 ac
Helicopter Applicators	\$20.63 ac

**Federal Share:** \$751,000

**State Share:** \$846,872 (real expense - \$2,392,587)

**Percent Acres Treated:** State 85  
Private 15

**Percent Acres Treated Successfully:** 1. 82%

**Number of Landowners Treated:** 2,603

**Number of Communities Treated:** 168

**Defoliated Area:** 837,594 (17,996 acres in treatment blocks)

**Acres to be Retreated:**

## Pennsylvania Bureau of Forestry

2001

**Proposed Acres:** 164,773 (with Btk)

**Treated Acres:** 164,265 (with Btk)

**Project Objectives:** Foliage Protection (to prevent defoliation from exceeding 30% on 80% of host trees)

<b>Contractor(s):</b>	Aero Tech	<b>Aircraft:</b>	Air Tractor 802
	Ag Rotors		Bell 205
	Helicopter Applicators		Bell 206
	Ag Rotors		Bell 206LR
			Bell OH58

<b>Formulation(s):</b>	Foray 76B	64 oz/ac @ 38 BIU/ac
	Foray 76B	43 oz/ac @ 27 BIU/ac
	Foray 48F	64 oz/ac @ 24 BIU/ac

**Cost/acre (including application):**

Aero Tech	\$12.98 ac	Btk
Ag Rotors	\$27.92 ac	Btk
Ag Rotors	\$26.95 ac	Btk
Helicopter Applicators	\$24.25 ac	Btk

**Federal Share:** \$1,207,712

**State Share:** \$2,003,950

<b>Percent Acres Treated:</b>	State	75
	Private	25

**Percent Acres Treated Successfully:** 1. 98%

**Number of Landowners Treated:** 5,928

**Number of Communities Treated:** 904

**Defoliated Area:** 237,559 ((3,102 acres in treatment blocks)

**Acres to be Retreated:** 21,769

# Gypsy Moth Suppression Summaries by State/Site and Year

## Pennsylvania Bureau of Forestry

2002

**Proposed Acres:** 58,665 (26,126 ac. Btk at 27 BIU; 32,539 ac. Btk at 38 BIU)

**Treated Acres:** 58,641 (26,126 ac. Btk at 27 BIU; 32,515 ac. Btk at 38 BIU)

**Project Objectives:** Foliage Protection (to prevent defoliation from exceeding 30% on 80% of host trees)

**Contractor(s):** Aero Tech  
Ag Rotors

**Aircraft:** Air Tractor 802  
Bell 205  
Bell 206  
Bell OH58

**Formulation(s):** Foray 76B 43 oz/ai @ 27 BIU/ac  
Foray 76B 0.5 gal/ac @ 38 BIU/ac

**Cost/acre (including application):**

Aero Tech	\$8.59 ac	Foray 76B @ 27 BIU/ac	Contract 1
AgRotors, Inc.	\$24.37 ac	Foray 76B @ 36 BIU/ac	Contract 2

**Federal Share:** \$588,147

**State Share:** \$663,230

<b>Percent Acres Treated:</b>	Federal	0
	State	62
	Private	38

**Percent Acres Treated Successfully:** 1.97%

**Number of Landowners Treated:** 2,600

**Number of Communities Treated:** 0

**Defoliated Area:** 55,798 (1,559 acres in treatment blocks)

**Acres to be Retreated:** 0

## Pennsylvania Bureau of Forestry

2006

**Proposed Acres:** 81,892 (81,627 ac. Btk; 265 ac. Gypchek)

**Treated Acres:** 81,690 (81,425 ac. Btk; 265 ac. Gypchek)

**Project Objectives:** 1. To prevent defoliation from exceeding 30% on 80% on more of the highly favored host trees.

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 204  
Bell 206  
Bell 206  
Turbine Thrush

**Formulation(s):** Foray 6B 38 BIU/ac  
Gypchek 1 gal/ac @ 4 x 10 (11) Obs/ac

**Cost/acre (including application):**

Helicopter Applicators	\$22.47 ac	Rotor
Helicopter Applicators	\$32.73 ac	Fixed

**Federal Share:** \$994,000

**State Share:** \$1,440,000

<b>Percent Acres Treated:</b> Private	68
State	32
Federal	1

**Percent Acres Treated Successfully:** 1. 60

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 689,846 (32,924.4 acres based on 40% failure in spray bloc)

**Acres to be Retreated:** 21,290

## Pennsylvania Bureau of Forestry

2007

**Proposed Acres:** 64,904 (64,085 with Btk, 819 with Gypchek)

**Treated Acres:** 64,515 (63,696 with Btk, 819 with Gypchek)

**Project Objectives:** 1. To prevent defoliation from exceeding 30% on 80% on more of the highly favored host trees.

**Contractor(s):** Helicopter Applicators  
Bruce's Flying Service

**Aircraft:** Bell 204  
Bell 205  
Bell 206  
Turbine Thrush

**Formulation(s):** Foray 48F 24 BIU/ac @  
Gypchek x 10(11) Obs/ac @ 1 gal/ac

**Cost/acre (including application):**

Bruce's Flying Service	18.60	Btk	Fixed
Helicopter Applicators	33.70	Gypchek	Rotor

**Federal Share:** \$860,351

**State Share:** \$1,085,135

**Percent Acres Treated:**

Private	55
State	43
Federal	2

**Percent Acres Treated Successfully:** 75%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 681,435 (15,737 acres within treatment blocks)

**Acres to be Retreated:** 6295

## Prince William Forest Park

2002

**Proposed Acres:** 333 (with Btk)

**Treated Acres:** 333 (with Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation less than or equal 30 percent)  
2. Population reduction below treatment threshold of 500 egg masses per acre

**Contractor(s):** Maurice's Flying Service **Aircraft:** Turbine Thrush

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 BIU/ac

**Cost/acre (including application):**

Maurice's Flying Service \$15.39 ac Foray 76B

**Federal Share:** \$5,277

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1.91%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 50 (30 acres in treatment blocks)

**Acres to be Retreated:** 0

## Prince William Forest Park

2003

**Proposed Acres:** 150 (with Btk)

**Treated Acres:** 150 (with Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation less than or equal 30 percent).  
2. Population reduction below treatment threshold of 500 egg masses per acre

**Contractor(s):** Earl's Spray Service **Aircraft:** Turbine Thrush

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 BIU/ac

**Cost/acre (including application):**

Earl's Spray Service \$17.31 ac Foray 76B

**Federal Share:** \$2,597

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0



## Quantico Marine Base

2002

**Proposed Acres:** 125 (with Dimilin)

**Treated Acres:** 125 (with Dimilin)

**Project Objectives:** 1. Foliage protection (limit defoliation less than or equal 30 percent)  
2. Population reduction below treatment threshold of 500 egg masses per acre

**Contractor(s):** Maurice's Flying Service **Aircraft:** Turbine Thrush

**Formulation(s):** Dimilin 1 gal/ac @ .50 oz/ai/ac

**Cost/acre (including application):**

Maurice's Flying Service \$12.21 ac Dimilin

**Federal Share:** \$1,581

**State Share:** \$0

**Percent Acres Treated:**

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Raystown Lake

2001

**Proposed Acres:** 6,462 (4,140 ac. Double Btk, 2,322 ac. Single Btk)

**Treated Acres:** 6,462 (4,140 ac. Double Btk, 2,322 ac. Single Btk)

**Project Objectives:** 1. Foliage protection (to prevent defoliation from exceeding 30% on 80% of host trees)  
2. Population reduction so that treatment will not be required in 2002

**Contractor(s):** Helicopter Applicators

**Aircraft:** Bell 206

**Formulation(s):** Foray 48F 96 oz/ac @ 36 BIU/ac  
Foray 78B 64 oz/ac @ 38 BIU/ac  
WDG 64 oz/ac @ 20 BIU/ac

**Cost/acre (including application):**

Helicopter Applicators \$20.42 ac

**Federal Share:** \$216,493

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 64

**Acres to be Retreated:** 0

## Seneca Nation of Indians

2001

**Proposed Acres:** 2,706 (2,706 ac. Btk)

**Treated Acres:** 2,700 (2,700 ac. Btk)

**Project Objectives:** 1. Population reduction so that treatment will not be required in 2002

**Contractor(s):** Duflo Spray-Chemical, Inc. **Aircraft:** Piper Aztec

**Formulation(s):** Foray 76B 80 oz/ac @ 30 BIU/ac

**Cost/acre (including application):**

Duflo Spray-Chemical, Inc. \$22.96 ac Foray 76B

**Federal Share:** \$65,000

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## U.S. Military Academy at West Point

2002

**Proposed Acres:** 650 (with Btk)

**Treated Acres:** 650 (with Btk)

**Project Objectives:** Suppress gypsy moth populations to reduce or prevent tree damage

**Contractor(s):** Ag Rotors **Aircraft:** Bell 206

**Formulation(s):** Foray 48B 96 oz/ac @ 36 BIU/ac

**Cost/acre (including application):**

AgRotors, Inc. \$23.75 ac Foray 48B

**Federal Share:** \$15,485

**State Share:** \$0

**Percent Acres Treated:** Federal 100

**Percent Acres Treated Successfully:** 1.100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 0

**Acres to be Retreated:** 0

## Virginia Department of Agriculture

2006

**Proposed Acres:** 2,564 (489 ac Btk; 2075 ac Dimilin)

**Treated Acres:** 2,495 (488 ac Btk; 2007 ac Dimilin)

**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. **Aircraft:** Bell 206B

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 BIU  
Dimilin 1.0 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Provine Helicopter Service	\$43.40 ac	Btk
Provine Helicopter Service	\$19.38 ac	Dimilin

**Federal Share:** \$60,000

**State Share:** \$118,882

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 99% (based on objective 1)  
2. 94% (based on objective 2)

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 13,659 (17 acres in treatment block)

**Acres to be Retreated:** 150

## Virginia Department of Agriculture

2000

**Proposed Acres:** 4,304 (2,170 ac Btk; 2,134 ac. DFB)

**Treated Acres:** 4,304 (2,170 ac Btk; 2,134 Ac. DFB)

**Project Objectives:** 1. Foliage protection (defoliation less than 30%)  
2. Population reduction so that treatment will not be required in 2001

**Contractor(s):** Helicopter Applicators **Aircraft:** Bell 206B

**Formulation(s):** Thuricide 48LV 0.5 gal/ac @ 24 BIU/ac  
Dimilin 1 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Helicopter Applicators (contract 1)	\$67.50 ac	Thuricide 48LV
Helicopter Applicators (contract 2)	\$12.21 ac	Dimilin
Helicopter Applicators (contract 2)	\$12.83 ac	Thuricide 48LV

**Federal Share:** \$100,000

**State Share:** \$10,000

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 100% based on foliage protection  
2. 88%

**Number of Landowners Treated:** 2,785

**Number of Communities Treated:** 13

**Defoliated Area:** 34,387

**Acres to be Retreated:**

## Virginia Department of Agriculture

2001

**Proposed Acres:** 37,777 (10,707 ac Btk; 25,070 ac. DFB)

**Treated Acres:** 34,312 (3,750 ac Btk; 30,562 ac. DFB)

**Project Objectives:** 1. Foliage protection (defoliation less than 30%)  
2. Population reduction so that treatment will not be required in 2002

**Contractor(s):** Maurice's Flying Service  
Ag Rotors

**Aircraft:** Bell 206B  
Turbine Thrush  
UH1H

**Formulation(s):** Thuricide 48LV 0.5 gal/ac @ 24 BIU/ac  
Dimilin 1 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Ag Rotors \$44.80 ac  
Maurice's Flying Service \$9.83 ac

**Federal Share:** \$348,901

**State Share:** \$320,837 Counties, \$28,064 State

**Percent Acres Treated:** State 1  
Private 99

**Percent Acres Treated Successfully:** 1. 90%  
2. 80%

**Number of Landowners Treated:** 10,519

**Number of Communities Treated:** 62

**Defoliated Area:** 440,409 (3,486 acres in treatment blocks)

**Acres to be Retreated:** 7,108

## Virginia Department of Agriculture

**2002**

**Proposed Acres:** 63,537 (20,047 ac. with Btk, 43,490 ac.with Dimilin)

**Treated Acres:** 62,201 (2,748 ac. Btk at 24 BIU; 17,107 ac. Btk at 38 BIU; 42,346 ac. DFB)

**Project Objectives:**

1. Foliage protection (defoliation less than 30%)
2. Population reduction so that treatment will not be required in 2003

**Contractor(s):** Helicopter Applicators  
 Maurice's Flying Service  
 Earl's Spray Service

**Aircraft:** Bell 204 UH1-E  
 Turbine Thrush

**Formulation(s):**

Foray 76B	0.5 gal/ac @ 38 BIU/ac
Foray 76B	43 oz/ac @ 24 BIU/ac
Dimilin	1 gal/ac @ .50 oz/ai/ac

**Cost/acre (including application):**

Earl's Spray Service	\$15.31 ac	Foray 76B at 38 BIU/ac	Contract 3
Earl's Spray Service	\$12.31 ac	Dimilin	Contract 3
Helicopter Applicators	\$37.32 ac	Foray 76B at 38 BIU/ac	Contract 1
Maurice's Flying Service	\$15.39 ac	Foray 76B at 38 BIU/ac	Contract 2
Maurice's Flying Service	\$12.28 ac	Foray 76B at 24 BIU/ac	Contract 2
Maurice's Flying Service	\$12.21 ac	Dimilin	Contract 2

**Federal Share:** \$599,444

**State Share:** \$690,578

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 91%  
 2. 92%

**Number of Landowners Treated:** 7,346

**Number of Communities Treated:** 52

**Defoliated Area:** 51,846 (5431acres in the treatment blocks)

**Acres to be Retreated:** 5,146



## Virginia Department of Agriculture

2003

**Proposed Acres:** 14,669 (3,627 ac. Btk; 11,042 ac DFB)

**Treated Acres:** 14,512 (3,683 ac. Btk; 10,829 ac. DFB)

**Project Objectives:** 1. Foliage protection (defoliation less than 30%).  
2. Population reduction so that treatment will not be required in 2004

**Contractor(s):** Provine Helicopter Service Inc.  
Earl's Spray Service

**Aircraft:** Bell 206  
Turbine Thrush

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 BIU/ac  
Dimilin 1.0 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Earl's Spray Service	\$10.66 ac	Dimilin
Earl's Spray Service	\$17.31 ac	Foray 76B
Provine Helicopter Service	\$33.30 ac	Foray 76B

**Federal Share:** \$245,981

**State Share:** \$243,777

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 88%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 25,889 (1687 acres in treatment block)

**Acres to be Retreated:** 0

## Virginia Department of Agriculture

**2007**

**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; 156 with Gypchek)

**Project Objectives:**

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

<b>Contractor(s):</b>	Provine Helicopter Service, Inc. Maurice's Flying Service Al's Aerial Spraying	<b>Aircraft:</b>	Air Tractor 502 Bell 206B Turbine Thrush
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<b>Formulation(s):</b>	Foray 76B	0.3 gal/ac @ 25 BIU/ac
	Foray 76B	0.5 gal/ac @ 38 BIU/ac
	Dimilin	1.0 gal/ac @ 0.5 oz/ai/ac
	Gypchek	x 10(11) Obs/ac @

**Cost/acre (including application):**

Al's Aerial Spraying	29.38	Dimilin
Maurie's Flying Service	31.00	Dimilin
Maurie's Flying Service	42.48	Btk (38 BIU)
Maurie'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

## West Virginia Department of Agriculture

**2000**

**Proposed Acres:** 7,446 (6,319 ac. DFB; 1,129 ac. Btk)

**Treated Acres:** 7,417 (6,290 ac. DFB; 1,127 ac Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 20%)  
2. Population reduction by 80%

**Contractor(s):** Harold's Spray Service

**Aircraft:** Air Tractor 502  
Radial Thrush

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac  
Dimilin 1 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Harold's Spray Service	\$17.16 ac	Foray 48F
Harold's Spray Service	\$12.62 ac	Dimilin

**Federal Share:** \$236,000

**State Share:** \$312,835

**Percent Acres Treated:** State 36  
Private 64

**Percent Acres Treated Successfully:** 1. 86%  
2. 87%

**Number of Landowners Treated:** 490

**Number of Communities Treated:** 19

**Defoliated Area:** 257,254 (1,030 acres within the treatment blocks)

**Acres to be Retreated:**

## West Virginia Department of Agriculture

2001

**Proposed Acres:** 136,991 (130,750 ac. DFB; 6,241 ac. Btk)

**Treated Acres:** 136,380 (130,139 ac. DFB; 6,241 ac Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 20%)  
2. Population reduction by 80%

**Contractor(s):** Maurice's Flying Service

**Aircraft:** Turbine Thrush

**Formulation(s):** Foray 76B 43 oz/ac @ 24 BIU/ac  
Dimilin 1 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Maurice's Flying Service	\$14.62 ac	Foray 76B
Maurice's Flying Service	\$13.55 ac	Dimilin

**Federal Share:** \$1,702,900

**State Share:** \$1,730,244

**Percent Acres Treated:**

Federal	1
State	10
Private	89

**Percent Acres Treated Successfully:** 1. 69%  
2. 99%

**Number of Landowners Treated:** 11,138

**Number of Communities Treated:** 0

**Defoliated Area:** 603,630 (41.722 acres within the treatment blocks)

**Acres to be Retreated:** 1,373

## West Virginia Department of Agriculture

2002

**Proposed Acres:** 80,035 (4,475 ac. single Btk; 170 ac. double Btk; 74,120 ac. DFB; 1,300 ac. Gypchek)

**Treated Acres:** 74,418 (4,815 ac. Single Btk; 168 ac. double Btk; 68,469 ac. DFB; 966 ac. Gypchek)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 20%)  
2. Population reduction by 80% with Dimilin

**Contractor(s):** Maurice's Flying Service

**Aircraft:** Turbine AgCat  
Turbine Thrush

**Formulation(s):** Foray 76B 40 oz/ac @ 24 BIU/ac  
Dimilin 1 gal/ac @ .50 oz/ai/ac  
Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Maurice's Flying Service	\$12.00 ac	Gypchek
Maurice's Flying Service	\$14.61 ac	Dimilin
Maurice's Flying Service	\$13.62 ac	Foray 76B

**Federal Share:** \$935,000

**State Share:** \$935,000

**Percent Acres Treated:**

**Percent Acres Treated Successfully:** 1. 98%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 132,197 (1,792 acres in treatment blocks)

**Acres to be Retreated:** 0

## West Virginia Department of Agriculture

2003

**Proposed Acres:** 4,270 (160 ac. single Btk; 170 ac. Double Btk; 3770 ac. DFB)

**Treated Acres:** 4,270 (160 ac. Single Btk; 170 ac. Double Btk; 3770 ac. DFB)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 20%).  
2. Population reduction by 80% with Dimilin

**Contractor(s):** Maurice's Flying Service **Aircraft:** Turbine Thrush

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac  
Dimilin 0.5 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Maurice's Flying Service	\$12.03 ac	Dimilin
Maurice's Flying Service	\$12.93 ac	Foray 48F

**Federal Share:** \$349,485

**State Share:** \$463,280

**Percent Acres Treated:** Federal 4  
Private 96

**Percent Acres Treated Successfully:** 1. 100%  
2. 100%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 5,338

**Acres to be Retreated:** 0

## West Virginia Department of Agriculture

2006

**Proposed Acres:** 7,872 (2,973 ac Btk; 4899 ac Dim,ilin)

**Treated Acres:** 8,121 (2,977 ac. Btk; 5,144 ac Dimilin)

**Project Objectives:** 1. To prevent defoliation from exceeding 20% or less on host trees.  
2. T oreduce pouplations 80% with Dimilin

**Contractor(s):** Maurice's Flying Service

**Aircraft:** Air Tractor 802A  
Ayres Thrush Turbo S2R

**Formulation(s):** Foray 76B 0.5 gal/ac @ 38 Biu/Ac  
Foray 48B 0.5 gal/ac @ 24 Biu/Ac  
Dimilin 0.5 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Maurice's Flying Service	\$23.01 ac	Btk
Maurice's Flying Service	\$17.16 ac	Dimilin

**Federal Share:** \$296,950

**State Share:** \$399,154

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:** 1. 98% (based on objective 1)  
2. 85% 9based on objective 2)

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 17,272 (142 acres in treatment blocks)

**Acres to be Retreated:** 1,202

## West Virginia Department of Agriculture

2007

**Proposed Acres:** 11,156 (1,944 ac btk, 9212 Dimilin)

**Treated Acres:** 11,156 (1,944 ac btk, 9212 Dimilin)

**Project Objectives:**

1. To prevent defoliation from exceeding 20% or less on host trees.
2. To reduce populations 80% with the use of Dimilin.

**Contractor(s):** Maurice's Flying Service

**Aircraft:** Ayres Thrush Turbo S2R-602

**Formulation(s):**

Foray 48B	0.5 gal/ac @ 24 BIU/ac
Dimilin 4L	0.5 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Maurice's Flying Service	\$17.16 ac	Dimilin 4L
Maurice's Flying Service	\$23.01 ac	Foray 48B

**Federal Share:** \$330,000

**State Share:** \$396,299

**Percent Acres Treated:** Private 100

**Percent Acres Treated Successfully:**

1. 94.7% (based on objective 1)
2. 82.46% (based on objective 2)

**Number of Landowners Treated:** 3,068

**Number of Communities Treated:** 0

**Defoliated Area:** 77,910 (561 acres based on objective 1 above)

**Acres to be Retreated:** 1617 (based on objective 2 above)



## West Virginia Department of Agriculture

2008

**Proposed Acres:** 64,495 (10,122 ac btk, 54,373 Dimilin)

**Treated Acres:** 64,495 (10,122 ac btk, 54,373 Dimilin)

**Project Objectives:** 1. To prevent defoliation from exceeding 20% or less on host trees.  
2. To reduce populations 80% with the use of Dimilin.

**Contractor(s):** Maurice's Flying Service

**Aircraft:** Air Tractor 402B (1)  
Ayres Thrush Turbo S2R (5)

**Formulation(s):** Foray 76B 1/3 gal/ac @ 25.3 CLUs/ac  
Dimilin 4L 1/2 gal/ac @ 0.5 oz/ai/ac

**Cost/acre (including application):**

Maurice's Flying Service	17.16	Dimilin
Maurice's Flying Service	23.01	Btk

**Federal Share:** \$119,955

**State Share:** \$679,846 (Includes WV State Parks, State Forest lands, & CSCL landowner share)

**Percent Acres Treated:** Private 92  
State 8

**Percent Acres Treated Successfully:** 1. 96.5% (based on objective 1)  
2. 96.7% (based on objective 2)

**Number of Landowners Treated:** 5,978

**Number of Communities Treated:** 0

**Defoliated Area:** 81,308 (2,272 in treatment blocks)

**Acres to be Retreated:** 2119 (based on objective 2 above)

## Wisconsin Department of Natural Resources

2001

**Proposed Acres:** 1,465 (1,465 ac. Btk)

**Treated Acres:** 1,400 (1,400 ac Btk)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 50%)

**Contractor(s):** Al's Aerial Spraying

**Aircraft:** AT-502

**Formulation(s):** Foray 48F 64 oz/ac @ 24 BIU/ac

**Cost/acre (including application):**

Al's Aerial Spraying \$13.48 ac Foray 48F

**Federal Share:** \$29,095

**State Share:** \$30,768

<b>Percent Acres Treated:</b>	Federal	0
	State	0
	Private	100

**Percent Acres Treated Successfully:** 1. 100%

**Number of Landowners Treated:** 1,000

**Number of Communities Treated:** 2

**Defoliated Area:** 1,600

**Acres to be Retreated:** 50

## Wisconsin Department of Natural Resources

### 2002

**Proposed Acres:** 5,912 (4,477 ac. Btk; 1,435 ac. Gypchek)

**Treated Acres:** 6,399 (4,786 ac. Btk; 1,613 ac. Gypchek)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 50%)

**Contractor(s):** Al's Aerial Spraying

**Aircraft:** Air Tractor 502

**Formulation(s):** Foray 76B 40 oz/ac @ 24 BIU/ac  
Gypchek 1 gal/ac @ 5 x 10 (11) OBS/ac

**Cost/acre (including application):**

Al's Aerial Spraying	\$23.85 ac	Gypchek
Al's Aerial Spraying	\$23.85 ac	Foray 76B

**Federal Share:** \$154,000

**State Share:** \$154,000

**Percent Acres Treated:** private 100

**Percent Acres Treated Successfully:** 1. 97%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 14

**Defoliated Area:** 34,094 (200 acres in treatment blocks)

**Acres to be Retreated:** 786

## Wisconsin Department of Natural Resources

### 2003

**Proposed Acres:** 26,533 (23,297 ac with Btk; 3,256 with Gypchek)

**Treated Acres:** 27,329 (23,887 ac with Btk; 3,442 ac with Gypchek)

**Project Objectives:** 1. Foliage protection (limit defoliation to less than or equal to 50%).

**Contractor(s):** Al's Aerial Spraying

**Aircraft:** Air Tractor 502

**Formulation(s):** Foray 48F 0.5 gal/ac @ 24 BIU/ac  
Gypchek 1 gal/ac @ 4 x 10 (11) OBS/ac

**Cost/acre (including application):**

Al's Aerial Spraying	\$23.98 ac	Gypchek
Al's Aerial Spraying	\$19.98 ac	Foray 76B

**Federal Share:** \$387,342

**State Share:** \$455,497

**Percent Acres Treated:** State 1  
Private 99

**Percent Acres Treated Successfully:** 1.99%

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 65,000 (45 acres in the treatment blocks)

**Acres to be Retreated:** 2,442

## Wisconsin Department of Natural Resources

2004

**Proposed Acres:** 51,254 (45,989 ac with Btk; 5265 with Gypchek)

**Treated Acres:** 51,254 (45,989 ac. With Btk; 5265 ac. with Gypchek)

**Project Objectives:** 1. To prevent defoliation in excess of 50% of the normal leaf complement of trees within the treatment blocks.

**Contractor(s):** Al's Aerial Spraying

**Aircraft:** Air Tractor 401  
Air Tractor 502

**Formulation(s):** Foray 48F 36 IU/ac  
Gypchek 1 gal/ac @ 4 x 10 (11) Obs/ac

**Cost/acre (including application):**

Al's Aerial Spraying	\$25.69 ac	Gypchek
Al's Aerial Spraying	\$18.85 ac	Foray 48F

**Federal Share:** \$643,132

**State Share:** \$714,232

**Percent Acres Treated:** private 90  
public non-Fed 10

**Percent Acres Treated Successfully:** 1. 100% each

**Number of Landowners Treated:** 0

**Number of Communities Treated:** 0

**Defoliated Area:** 20

**Acres to be Retreated:** 0

## Wisconsin Department of Natural Resources

### 2005

**Proposed Acres:** 2,709 (2,709 ac treated with Foray 48F)

**Treated Acres:** 2,709 (1,235 ac. With Btk-Foray; 285 ac. with Gypchek) - 15 sites

**Project Objectives:** 1. 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

**Contractor(s):** Al's Aerial Spraying **Aircraft:** Turboprop Ag Tractor 401  
Turboprop Ag Tractor 502

**Formulation(s):** Foray 48F 36 BIU/acre @ 1 application

**Cost/acre (including application):**

Al's Aerial Spraying \$23.81 ac Foray 48F

**Federal Share:** \$33,148

**State Share:** \$51,136

**Percent Acres Treated:** Private 53  
Publicly-owned 47 community, county, or state

**Percent Acres Treated Successfully:** 1. 100% each

**Number of Landowners Treated:** 0 Most blocks include many landowners.

**Number of Communities Treated:** 0

**Defoliated Area:** 20

**Acres to be Retreated:** 0

## Wisconsin Department of Natural Resources

2006

**Proposed Acres:** 1,503 (1,503 ac with Btk)

**Treated Acres:** 1,503 (1,503 ac. with Btk)

**Project Objectives:** 1. 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

**Contractor(s):** Al's Aerial Spraying

**Aircraft:** Turboprop Ag Tractor 401  
Turboprop Ag Tractor 502

**Formulation(s):** Foray 48F 36 BIU/ac

**Cost/acre (including application):**

Al's Aerial Spraying 2\$5.83 ac Foray 48F

**Federal Share:** \$25,251

**State Share:** \$30,579

**Percent Acres Treated:** Private 77  
Publicly-owned 23 community, county, or state

**Percent Acres Treated Successfully:** 1. 100% each

**Number of Landowners Treated:** 0 Most blocks include many landowners

**Number of Communities Treated:** 9

**Defoliated Area:** 24,084

**Acres to be Retreated:** 0

## Wisconsin Department of Natural Resources

2007

**Proposed Acres:** 1,235 (1,235 ac with Btk; 285 ac with Gypchek)

**Treated Acres:** 1,235 (1,235 ac with Btk; 285 ac with Gypchek)

**Project Objectives:** 1. 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

**Contractor(s):** Al's Aerial Spraying

**Aircraft:** Turboprop Ag Tractor 401  
Turboprop Ag Tractor 502

**Formulation(s):** Foray 48F 36 BIU/ac @ 1 application  
Gyckek x 10(11) Obs/ac @ 1 application

**Cost/acre (including application):**

Al's Aerial Spraying	\$32.43 ac	Gypchek
Al's Aerial Spraying	\$27.92 ac	Foray 48F

**Federal Share:** \$38,191

**State Share:** \$38,191

**Percent Acres Treated:** Private 87  
Publicly-owned 13 community, county, or state

**Percent Acres Treated Successfully:** 1. 100% each

**Number of Landowners Treated:** 0 Most blocks include many landowners

**Number of Communities Treated:** 13

**Defoliated Area:** 22,994

**Acres to be Retreated:** 0