

## Survey of Damage Caused by Forest Insects in the Southeast, CY 2003

### *Damage Class A -- Mortality (sorted by state and/or reporting organization)*

State/ Org.	Insect*	Ownership*	Documented Damage			Estimated Damage			TOTAL DAMAGE		
			MBF	Cords	Value	MBF	Cords	Value	MBF	Cords	Value
AL	SPB	S&P	2	350	\$ 10,000	10	1,500	\$ 32,000	12	1,850	\$ 42,000
AL	SPB	Fed.	288	180	\$ 81,605				288	180	\$ 81,605
FL	SPB	S&P				51		\$ 8,600	51		\$ 8,600
FL	SPB	Fed.									
GA	SPB	S&P				2,888	8,664	\$ 931,899	2,888	8,664	\$ 931,899
GA	SPB	Fed.	1,888	1,416	\$ 538,868				1,888	1,416	\$ 538,868
LA	BTB	S&P				50		\$ 15,750	50		\$ 15,750
LA	IPS	S&P				600	1200	\$ 214,200	600	1200	\$ 214,200
MS	SPB	Fed.	344	258	\$ 98,185				344	258	\$ 98,185
NC	SPB	S&P	1,525	1,620	\$ 388,490	382	405	\$ 97,304	1,907	2,025	\$ 485,794
NC	SPB	Fed.	2,240	1,680	\$ 639,340				2,240	1,680	\$ 639,340
NC	BTB	S&P	21		\$ 5,082	21		\$ 5,082	42		\$ 10,164
NC	IPS	S&P				405	305	\$ 112,560	405	305	\$ 112,560
NC	PW	S&P				(seedlings)		\$ 9,150			\$ 9,150
OK	SPB	S&P	2.5		\$ 357				2.5		\$ 357
OK	MBB	S&P				31513	18757	\$ 4,595,664	31513	18757	\$ 4,595,664
SC	SPB	S&P	20,431	29,033	\$ 6,529,559				20,431	29,033	\$ 6,529,559
SC	SPB	Fed.	40	30	\$ 11,417				40	30	\$ 11,417
SC	BTB	S&P				1,200	1,825	\$ 209,200	1,200	1,825	\$ 209,200
TN	SPB	S&P				1,754	2,173	\$ 385,034	1,754	2,173	\$ 385,034
TN	BTB	S&P					2	\$ 36		2	\$ 36
TN	IPS	S&P					4	\$ 253		4	\$ 253
TN	PW	S&P					10,938	\$ 134,422	(seedlings)	10,938	\$ 134,422
TN	SPB	Fed.	444	333	\$ 126,726				444	333	\$ 126,726
TX	BTB	S&P				357	266	\$ 107,243	357	266	\$ 107,243
TX	IPS	S&P				1,428	3,195	\$ 460,725	1,428	3,195	\$ 460,725
VA	SPB	S&P				166	843	\$ 43,355	166	843	\$ 43,355
VA	BTB	S&P				100	200	\$ 19,000	100	200	\$ 19,000
VA	IPS	S&P				800	3,000	\$ 189,000	800	3,000	\$ 189,000
VA	GM	S&P				150,000	50,000	\$ 27,600,000	150,000	50,000	\$ 27,600,000
VA	GM	Fed.									
VA	HWA	S&P				10,000	5,000	\$ 1,040,000	10,000	5,000	\$ 1,040,000
USFS	HWA	Fed.				300	900	\$ 40,000	300	900	\$ 40,000
USFS	BWA	Fed.					100,000	\$ 60,000		100,000	\$ 60,000
<b>TOTAL</b>			<b>27,226</b>	<b>34,900</b>	<b>\$ 8,429,629</b>	<b>202,025</b>	<b>209,177</b>	<b>\$ 36,310,477</b>	<b>229,251</b>	<b>244,077</b>	<b>\$ 44,740,106</b>

**\*Abbreviations**

SPB = Southern Pine Beetle  
BTB = Black Turpentine Beetle

IPS = Ips Engraver Beetles  
LB = Locust Borer  
PW = Pales Weevil

MBB = Mixed Bark Beetles  
BWA = Blasam Woolly Adelgid  
GM = Gypsy Moth

HWA = Hemlock Woolly Adelgid  
S&P = State/Private Ownership  
Fed. = Federal Ownership

## Survey of Damage Caused by Forest Insects in the Southeast, CY 2003

### *Damage Class A -- Mortality (sorted by Insect and Ownership and compared to CY 2002)*

Insect*	Ownership*	CY 2003 TOTAL DAMAGE			CY 2002 TOTAL DAMAGE		
		MBF	Cords	Value	MBF	Cords	Value
SPB	S&P	27,212	44,588	\$ 8,426,598	1,269,257	1,503,056	\$ 358,325,271
SPB	Fed.	5,244	3,897	\$ 1,496,141	54,354	1,383	\$ 6,037,347
BTB	S&P	1,392	2,293	\$ 361,393	2,615	1,352	\$ 780,492
IPS	S&P	3,233	6,504	\$ 976,738	20,573	11,901	\$ 6,480,620
MBB	S&P	31,513	18,757	\$ 4,595,664	31,513	18,757	\$ 4,595,664
BWA	Fed.		100,000	\$ 60,000		100,010	\$ 600,100
PW	S&P	(seedlings)	10,938	\$ 143,572	(seedlings)		\$ 38,124
HWA	S&P	10,000	5,000	\$ 1,040,000	10,000		\$ 1,000,000
HWA	Fed.	300	900	\$ 40,000	330	990	\$ 37,950
GM	S&P	150,000	50,000	\$ 27,600,000	125,000	36,000	\$ 25,360,000
GM	Fed.				50,000	365,000	\$ 6,800,000
Drought	S&P				5,000	10,000	\$ 1,100,000
<b>TOTAL</b>		<b>228,894</b>	<b>242,877</b>	<b>\$ 44,740,106</b>	<b>1,568,642</b>	<b>2,048,449</b>	<b>\$ 411,155,568</b>

#### **\*Abbreviations**

SPB = Southern Pine Beetle

BTB = Black Turpentine Beetle

IPS = *Ips* Engraver Beetles

LB = Locust Borer

PW = Pales Weevil

MBB = Mixed Bark Beetles

BWA = Blasam Woolly Adelgid

GM = Gypsy Moth

HWA = Hemlock Woolly Adelgid

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## Survey of Damage Caused by Forest Insects in the Southeast, CY 2003

### *Damage Class B -- Growth Reduction (sorted by state and/or reporting organization)*

State/ Org.	Insect*	Ownership*	TOTAL ESTIMATED DAMAGE		
			MBF	Cords	Value
LA	BCLR	S&P	5,700		\$ 1,841,100
LA	FTC	S&P		29,000	\$ 464,000
NC	ETC	S&P		200	\$ 2,000
NC	FTC	S&P	4,000		\$ 600,000
TN	ETC	S&P	8,760		\$ 1,620,600
TN	NPTM	S&P		50	\$ 615
TN	RHPS	S&P		11	\$ 131
TN	COM	S&P	63,232		\$ 19,348,992
TX	TM	S&P		5,487	\$ 81,760
VA	FC	S&P		5,000	\$ 60,000
VA	GM	S&P		15,000	\$ 200,000
VA	NPTM	S&P		1,000	\$ 20,000
VA	YPW	S&P		500	\$ 6,000
<b>TOTAL</b>			<b>81,692</b>	<b>56,248</b>	<b>\$ 24,245,198</b>

#### **\*Abbreviations**

NPTM = Nantucket Pine Tip Moth COM = Common Oak Moth

RHPS = Red-Headed Pine Sawfly PBA = Pine Bark Adelgid

BCLR = Baldcypress Leafroller YPW= Yellow Poplar Weevil

FTC= Forest Tent Caterpillar

ETC = Eastern Tent Caterpillar

FC = Fall Canckerworm

GM = Gypsy Moth

VPS = Virginia Pine Sawfly

TM = Tip Moth

S&P = State/Private Ownership

## Survey of Damage Caused by Forest Insects in the Southeast, CY 2003

### *Damage Class B -- Growth Reduction (sorted by Insect and compared to CY 2002)*

Insect*	Ownership*	CY 2003 TOTAL DAMAGE			CY 2002 TOTAL DAMAGE		
		MBF	Cords	Value	MBF	Cords	Value
NPTM	S&P		1,050	\$ 20,615		1,272	\$ 25,084
RHPS	S&P		11	\$ 131		131	\$ 2,448
BCLR	S&P	5,700		\$ 1,841,100	6,800		\$ 1,672,800
FTC	S&P	4,000	29,000	\$ 1,064,000	2,200	23,500	\$ 807,000
ETC	S&P	8,760	200	\$ 1,622,600		200	\$ 2,000
FC	S&P		5,000	\$ 60,000		6,000	\$ 72,000
GM	S&P		15,000	\$ 200,000		25,000	\$ 300,000
VPS	S&P					1,000	\$ 10,000
TM	S&P		5,487	\$ 81,760		5,776	\$ 69,312
PBA	S&P					100	\$ 1,500
COM	S&P	63,232		\$ 19,348,992	9		\$ 1,887
YPW	S&P		500	\$ 6,000			
<b>TOTAL</b>		<b>81,692</b>	<b>56,248</b>	<b>\$ 24,245,198</b>	<b>9,009</b>	<b>62,979</b>	<b>\$ 2,964,031</b>

#### **\*Abbreviations**

NPTM = Nantucket Pine Tip Moth  
 RHPS = Red-Headed Pine Sawfly  
 PBA = Pine Bark Adelgid  
 BCLR = Baldcypress Leafroller  
 FTC= Forest Tent Caterpillar  
 ETC = Eastern Tent Caterpillar  
 FC = Fall Canckerworm  
 GM = Gypsy Moth  
 VPS = Virginia Pine Sawfly  
 COM = Common Oak Moth  
 TM = Tip Moth  
 YPW=Yellow Polar Weevil

S&P = State/Private Ownership

## Survey of Damage Caused by Forest Insects in the Southeast, CY 2003

**Damage Class C -- Seed and Cone** (sorted by Insect and Ownership and compared to CY 2002)

Insect	Ownership	CY 2003 TOTAL DAMAGE		CY 2002 TOTAL DAMAGE	
		Lbs. of Seec	Value	Lbs. of Seec	Value
Seedbugs	S&P	6,026	\$ 2,410,412	4,510	\$ 1,669,060
Seedbugs	Fed.	4,000	\$ 1,000,000	4,000	\$ 1,000,000
Coneworms	S&P	11,966	\$ 4,786,520	9,860	\$ 3,587,580
Coneworms	Fed.	6,000	\$ 2,000,000	6,983	\$ 2,793,200
Cone beetle	S&P			0	\$ -
Cone beetle	Fed.	500	\$ 750,000	500	\$ 1,000,000
Acorn weevil	S&P			0	\$ -
Acorn weevil	Fed.	500	\$ 750,000	500	\$ 750,000
SCGM	Fed.	negligible	negligible		
All other				50	\$ 80,000
<b>TOTAL</b>		<b>28,992</b>	<b>\$ 11,696,932</b>	<b>26,403</b>	<b>\$ 10,879,840</b>

SCGM=Southern Cone Gall Midge

## Survey of Damage Caused by Forest Insects in the Southeast, CY 2003

### *Damage Class D -- Miscellaneous (sorted by state and/or reporting organization)*

State/ Org.	Insect*	Owner ship*	Documented Damage			Estimated Damage			TOTAL DAMAGE		
			# of Trees	# of Acres	Value	# of Trees	# of Acres	Value	# of Trees	# of Acres	Value
FL	BHPS	S&P				1400		\$ -	1400		\$ -
LA	ELB	S&P				500		\$ 5,000	500		\$ 5,000
LA	PW	S&P					10	\$ 2,000		10	\$ 2,000
LA	TA	S&P				1,000		\$ 500	1,000		\$ 500
OK	FW	S&P					100,000	\$ 5,000		100,000	\$ 5,000
OK	OB	S&P		10	\$ 3,000					10	\$ 3,000
OK	PW	S&P		58	\$ 7,250					58	\$ 7,250
OK	GH	S&P					10,000	\$ 50,000		10,000	\$ 50,000
TN	LPS	S&P					276	\$ 74		276	\$ 74
TN	OB	S&P				432,600		\$ 8,933,190	432,600		\$ 8,933,190
TX	PW	S&P				417,200		\$ 20,860	417,200		\$ 20,860
TX	TA	S&P				459,000	765	\$ 72,675	459,000	765	\$ 72,675
VA	OB	S&P					1,000,000	\$ 50,000,000		1,000,000	\$ 50,000,000
<b>TOTAL</b>			<b>0</b>	<b>68</b>	<b>\$ 10,250</b>	<b>1,310,300</b>	<b>1,112,451</b>	<b>\$ 59,089,299</b>	<b>1,310,300</b>	<b>1,112,519</b>	<b>\$ 59,099,549</b>

#### **\*Abbreviations**

BTB = Black Turpentine Beetle  
 IPS = *Ips* Engraver Beetles  
 BW = Bagworms  
 PW = Pales Weevil  
 FW = Fall Webworm  
 LPS = Loblolly Pine Sawfly

SC = Spring Cankerworm  
 TA = Town Ant  
 OB = Oak Borers  
 FW = Fall Webworm  
 GH = Grasshoppers  
 BHPS = Black-Headed Pine Sawfly

S&P = State/Private Ownership  
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## Survey of Damage Caused by Forest Insects in the Southeast, CY 2003

### **Damage Class D -- Miscellaneous** (sorted by Insect and Ownership and compared to CY 2002)

Insect*	Ownership*	CY 2003 TOTAL DAMAGE			CY 2002 TOTAL DAMAGE		
		# of Trees	# of Acres	Value	# of Trees	# of Acres	Value
BHPS	S&P		1,400	\$ -			
ELB	S&P	500		\$ 5,000			
PW	S&P	417,200	68	\$ 30,110	476,000		\$ 23,800
LPS	S&P		276	\$ 74	377		\$ 93
TA	S&P	460,000	765	\$ 73,175	510,000	850	\$ 80,750
OB	S&P	432,600	1,000,010	\$ 58,936,190	1,000,000		\$ 50,000,000
OB	Fed.					300,000	unknown
GH	S&P		10,000	\$ 50,000		10,000	\$ 50,000
FW	S&P		100,000	\$ 5,000	100,000		\$ 5,000
BW	S&P				500		\$ 5,000
SC	S&P				1,000		\$ 1,505
<b>TOTAL</b>		<b>1,310,300</b>	<b>1,112,519</b>	<b>\$ 59,099,549</b>	<b>2,087,877</b>	<b>310,850</b>	<b>\$ 50,166,148</b>

#### **\*Abbreviations**

SC = Spring Cankerworm  
 IPS = *Ips* Engraver Beetles  
 ETC = Eastern Tent Caterpillar  
 PW = Pales Weevil  
 BW = Bagworms  
 LPS = Loblolly Pine Sawfly  
 SPB = Southern Pine Beetle  
 FC = Fall Cankerworm

BHPS = Black-Headed Pine Sawfly  
 TA = Town Ant  
 OB = Oak Borers  
 BTB = Black Turpentine Beetle  
 GH = Grasshoppers  
 FW = Fall Webworm  
 ELB = Elm Leaf Beetle

S&P = State/Private Ownership  
 Fed. = Federal Ownership