

Survey of Damage Caused by Forest Insects in the Southeast, CY 2004

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		28,010	\$ 560,200		30,000	\$ 60,000	0	58,010	\$ 620,200
GA	SPB	S&P				1,116	200	\$ 370,116	1,116	200	\$ 370,116
GA	BTB	S&P				250	1000	\$ 91,000	250	1,000	\$ 91,000
GA	IPS	S&P				10	5000	\$ 80,000	10	5,000	\$ 80,000
GA	HWA	S&P				10		\$ 15,000	10	0	\$ 15,000
GA	HWA	Fed.				100		\$ 150,000	100	0	\$ 150,000
LA	BTB	S&P				40		\$ 13,000	40	0	\$ 13,000
LA	IPS	S&P				500	1000	\$ 181,500	500	1,000	\$ 181,500
MS	SPB	Fed.				13		\$ 3,750	13	0	\$ 3,750
NC	SPB	S&P				198	214	\$ 55,698	198	214	\$ 55,698
NC	BTB	S&P				15		\$ 3,630	15	0	\$ 3,630
NC	IPS	S&P				450	305	\$ 112,560	450	305	\$ 112,560
NC	PW	S&P					seedlings	\$ 8,280	0	0	\$ 8,280
OK	MBB	S&P				12500	4000	\$ 1,430,000	12,500	4,000	\$ 1,430,000
OK	PW	S&P		seedlings	\$ 8,000				0	0	\$ 8,000
SC	SPB	S&P	4621	6565	\$ 1,476,330				4,621	6,565	\$ 1,476,330
SC	BTB	S&P				75	1500	\$ 45,000	75	1,500	\$ 45,000
TN	SPB	S&P				349	432	\$ 118,393	349	432	\$ 118,393
TN	BTB	S&P					13	\$ 236	0	13	\$ 236
TN	PW	S&P					2,500	\$ 45,900	0	2,500	\$ 45,900
TX	BTB	S&P				268	200	\$ 82,800	268	200	\$ 82,800
TX	IPS	S&P				714	1,597	\$ 241,000	714	1,597	\$ 241,000
VA	SPB	S&P					300	\$ 5,103	0	300	\$ 5,103
VA	BTB	S&P				50	100	\$ 16,500	50	100	\$ 16,500
VA	IPS	S&P				50	100	\$ 16,500	50	100	\$ 16,500
VA	GM	S&P				1,000	1,000	\$ 176,200	1,000	1,000	\$ 176,200
VA	GM	Fed.				500	2,000	\$ 112,000	500	2,000	\$ 112,000
VA	HWA	S&P				1,000	500	\$ 100,000	1,000	500	\$ 100,000
VA	HWA	Fed.				2,000	500	\$ 225,000	2,000	500	\$ 225,000
USFS	HWA	Fed.							0	0	\$ -
USFS	BWA	Fed.							0	0	\$ -
TOTAL			34,575		\$ 2,044,530	21,208	52,461	\$ 3,759,166	21,208	87,036	\$ 5,803,696

***Abbreviations**

SPB = Southern Pine Beetle
BTB = Black Turpentine Beetle

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

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

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

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Damage Class A -- Mortality (sorted by Insect and Ownership and compared to CY 2003)

Insect*	Ownership*	CY 2004 TOTAL DAMAGE			CY 2003 TOTAL DAMAGE		
		MBF	Cords	Value	MBF	Cords	Value
SPB	S&P	6,284	65,721	\$ 2,645,840	27,212	44,588	\$ 8,426,598
SPB	Fed.	13		\$ 3,750	5,244	3,897	\$ 1,496,141
BTB	S&P	698	2,813	\$ 252,166	1,392	2,293	\$ 361,393
IPS	S&P	1,724	8,002	\$ 631,560	3,233	6,504	\$ 976,738
MBB	S&P	12,500	4,000	\$ 1,430,000	31,513	18,757	\$ 4,595,664
BWA	Fed.					100,000	\$ 60,000
PW	S&P		2,500	\$ 62,180	(seedlings)	10,938	\$ 143,572
HWA	S&P	1,010	500	\$ 115,000	10,000	5,000	\$ 1,040,000
HWA	Fed.	2,100	500	\$ 375,000	300	900	\$ 40,000
GM	S&P	1,000	1,000	\$ 176,200	150,000	50,000	\$ 27,600,000
GM	Fed.	500	2,000	\$ 112,000			
TOTAL		25,829	87,036	\$ 5,803,696	228,894	242,877	\$ 44,740,106

***Abbreviations**

SPB = Southern Pine Beetle
 BTB = Black Turpentine Beetle
 IPS = *lps* Engraver Beetles
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 PW = Pales Weevil
 MBB = Mixed Bark Beetles
 BWA = Blasam Woolly Adelgid
 GM = Gypsy Moth
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Survey of Damage Caused by Forest Insects in the Southeast, CY 2004

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

State/ Org.	Insect*	Ownership*	TOTAL ESTIMATED DAMAGE		
			MBF	Cords	Value
GA	FTC	S&P	100	2,500	\$ 75,000
LA	BCLR	S&P	7,800		\$ 2,324,000
LA	FTC	S&P		78,000	\$ 1,248,000
LA	RHPS	S&P		500	\$ 9,500
NC	ETC	S&P		200	\$ 2,000
NC	FTC	S&P	20	4,000	\$ 600,000
OK	ETC	S&P	250,000		\$ 125,000
OK	FC	S&P	40,000		\$ 12,000
OK	FW	S&P	10,000		\$ 5,000
OK	NPTM	S&P		5,000	\$ 100,000
TN	ETC	S&P	17,520		\$ 3,048,480
TN	NPTM	S&P		6,728	\$ 101,675
TN	RHPS	S&P		63	\$ 115
TN	COM	S&P	12,646		\$ 4,059,366
TX	TM	S&P		5,213	\$ 99,000
VA	FC	S&P	200	500	\$ 40,100
VA	GM	S&P		1,000	\$ 16,200
VA	LL	S&P		2,000	\$ 32,400
VA	NPTM	S&P		10,000	\$ 162,000
TOTAL			338,286	115,704	\$ 12,059,836

***Abbreviations**

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

S&P = State/Private Ownership

Survey of Damage Caused by Forest Insects in the Southeast, CY 2004

Damage Class B -- Growth Reduction (sorted by Insect and compared to CY 2003)

Insect*	Ownership*	CY 2004 TOTAL DAMAGE			CY 2003 TOTAL DAMAGE		
		MBF	Cords	Value	MBF	Cords	Value
NPTM	S&P		21,728	\$ 363,675		1,050	\$ 20,615
RHPS	S&P		563	\$ 9,615		11	\$ 131
BCLR	S&P	7,800		\$ 2,324,000	5,700		\$ 1,841,100
FTC	S&P	120	84,500	\$ 1,923,000	4,000	29,000	\$ 1,064,000
ETC	S&P	267,520	200	\$ 3,175,480	8,760	200	\$ 1,622,600
FC	S&P	40,200	500	\$ 52,100		5,000	\$ 60,000
GM	S&P		1,000	\$ 16,200		15,000	\$ 200,000
FW	S&P	10,000		\$ 5,000			
TM	S&P		5,213	\$ 99,000		5,487	\$ 81,760
LL	S&P		2,000	\$ 32,400			
COM	S&P	12,646		\$ 4,059,366	63,232		\$ 19,348,992
YPW	S&P					500	\$ 6,000
TOTAL		338,286	115,704	\$ 12,059,836	81,692	56,248	\$ 24,245,198

***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

LL = Locust Leafminer

FW = Fall Webworm

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Damage Class C -- Seed and Cone (sorted by Insect and Ownership and compared to CY 2003)

Insect	Ownership	CY 2004 TOTAL DAMAGE		CY 2003 TOTAL DAMAGE	
		Lbs. of Seed	Value	Lbs. of Seed	Value
Seedbugs	S&P	75	\$ 9,000	6,026	\$ 2,410,412
Seedbugs	Fed.	5,000	\$ 1,250,000	4,000	\$ 1,000,000
Coneworms	S&P	100	\$ 12,000	11,966	\$ 4,786,520
Coneworms	Fed.	6,000	\$ 2,000,000	6,000	\$ 2,000,000
Cone beetle	S&P				
Cone beetle	Fed.	500	\$ 750,000	500	\$ 750,000
Acorn weevil	S&P				
Acorn weevil	Fed.	500	\$ 750,000	500	\$ 750,000
AI	Fed.	50	\$ 100,000		
SCGM	Fed.	negligible	negligible	negligible	negligible
All other					
TOTAL		12,225	\$ 4,871,000	28,992	\$ 11,696,932

SCGM=Southern Cone Gall Midge

AI=other Acorn Insects

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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
GA	PW	S&P				150,000	2,000	\$ 17,500	150,000	2,000	17,500
LA	TA	S&P					3,000	\$ 1,500	-	3,000	1,500
OK	FW	S&P				250,000	20,000	\$ 5,000	250,000	20,000	5,000
OK	OB	S&P				25,000	2,000	\$ 200,000	25,000	2,000	200,000
TN	LPS	S&P				1,047		\$ 240	1,047	-	240
TN	OB	S&P				432,600		\$ 8,933,190	432,600	-	8,933,190
TX	PW	S&P				250,320	417	\$ 12,500	250,320	417	12,500
TX	TA	S&P				504,600	841	\$ 80,000	504,600	841	80,000
VA	OB	S&P				200,000		\$ 10,000,000	200,000	-	10,000,000
VA	OB	Fed.				100,000		\$ 5,000,000	100,000	-	5,000,000
TOTAL						1,913,567	28,258	\$ 24,249,930	1,913,567	28,258	\$ 24,249,930

***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

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Damage Class D -- Miscellaneous (sorted by Insect and Ownership and compared to CY 2003)

Insect*	Ownership*	CY 2004 TOTAL DAMAGE			CY 2003 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	400,320	2,417	\$ 30,000	417,200	68	\$ 30,110
LPS	S&P	1,047		\$ 240		276	\$ 74
TA	S&P	504,600	3,841	\$ 81,500	460,000	765	\$ 73,175
OB	S&P	657,600	2,000	\$ 19,133,190	432,600	1,000,010	\$ 58,936,190
OB	Fed.	100,000		\$ 5,000,000			
GH	S&P				10,000		\$ 50,000
FW	S&P	250,000	20,000	\$ 5,000	100,000		\$ 5,000
BW	S&P						
SC	S&P						
TOTAL		1,913,567	28,258	\$ 24,249,930	1,310,300	1,112,519	\$ 59,099,549

***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

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