



# Southern California Insect-Related Tree Mortality

## Mortality and Status Tables and Charts, Fall 2006

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## Southern California Insect-Related Tree Mortality

### Treatment Status by County and Fire Protection Agency (in Acres)

COUNTY	Fire Protection Agency	STATUS (Fall 2006)			
		Complete	In Progress	Planned	Grand Total
Riverside	Federal (FRA)	3,148	8,782	24,909	36,839
	Local (LRA)	60	47	140	246
	State (SRA)	6,092	1,771	860	8,723
<b>Riverside Total</b>		<b>9,299</b>	<b>10,600</b>	<b>25,909</b>	<b>45,808</b>
San Bernardino	Federal (FRA)	5,779	6,320	24,046	36,145
	Local (LRA)	490	318	57	866
	State (SRA)	23,107	4,434	3,285	30,825
<b>San Bernardino Total</b>		<b>29,376</b>	<b>11,073</b>	<b>27,387</b>	<b>67,836</b>
San Diego	Federal (FRA)	8,880	5,296	7,705	21,881
	Local (LRA)	*	*	*	*
	State (SRA)	21,503	6,913	5,997	34,413
<b>San Diego Total</b>		<b>30,384</b>	<b>12,209</b>	<b>13,702</b>	<b>56,294</b>
<b>Grand Total</b>		<b>69,059</b>	<b>33,881</b>	<b>66,998</b>	<b>169,938</b>

\*Less than 50 acres

## Southern California Insect Related Tree Mortality

### Treatment Status on Evacuation Routes

County	Status (Fall 2006)	Miles
Riverside	Complete	11
	In Progress	7
	Planned	16
San Bernardino	Complete	77
	In Progress	13
	Planned	7
San Diego	Complete	7
	In Progress	9
	Planned	0
<b>Grand Total</b>		<b>147</b>

## Southern California Insect-Related Tree Mortality

Treatment Status by County and Owner (in Acres)

COUNTY	STATUS (Fall 2006)	OWNER				Grand Total
		Federal	Private	State	Tribal	
Riverside	Complete	3,235	6,010	55	0	9,299
	In Progress	8,786	1,723	91	0	10,600
	Planned	24,580	822	337	170	25,909
<b>Riverside Total</b>		<b>36,600</b>	<b>8,555</b>	<b>483</b>	<b>170</b>	<b>45,808</b>
San Bernardino	Complete	5,875	23,255	246	0	29,376
	In Progress	6,455	4,618	0	0	11,073
	Planned	24,181	3,195	12	0	27,388
<b>San Bernardino Total</b>		<b>36,510</b>	<b>31,068</b>	<b>258</b>	<b>0</b>	<b>67,837</b>
San Diego	Complete	8,880	16,066	3,662	1,776	30,384
	In Progress	4,008	5,537	1,376	1,288	12,209
	Planned	6,399	5,997		1,305	13,702
<b>San Diego Total</b>		<b>19,288</b>	<b>27,600</b>	<b>5,038</b>	<b>4,368</b>	<b>56,294</b>
<b>Grand Total</b>		<b>92,398</b>	<b>67,223</b>	<b>5,779</b>	<b>4,538</b>	<b>169,938</b>

## Southern California Insect-Related Tree Mortality

Treatment Status by County and Fed/Non-Fed Ownership (in Acres)

COUNTY	STATUS (Fall 2006)	OWNER		Grand Total
		Federal	Non-Federal	
Riverside	Complete	3,235	6,064	9,299
	In Progress	8,786	1,814	10,600
	Planned	24,580	1,329	25,909
<b>Riverside Total</b>		<b>36,600</b>	<b>9,207</b>	<b>45,808</b>
San Bernardino	Complete	5,875	23,501	29,376
	In Progress	6,455	4,618	11,073
	Planned	24,181	3,207	27,388
<b>San Bernardino Total</b>		<b>36,510</b>	<b>31,326</b>	<b>67,837</b>
San Diego	Complete	8,880	21,503	30,384
	In Progress	4,008	8,200	12,209
	Planned	6,399	7,303	13,702
<b>San Diego Total</b>		<b>19,288</b>	<b>37,006</b>	<b>56,294</b>
<b>Grand Total</b>		<b>92,398</b>	<b>77,540</b>	<b>169,938</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County in 2001**

<b>County</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	3,448	2,948
San Bernardino	1,672	1,460
San Diego	402	362
<b>Grand Total</b>	<b>5,522</b>	<b>4,770</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County in 2002**

<b>County</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	32,499	24,753
San Bernardino	18,852	16,048
San Diego	7,126	6,070
<b>Grand Total</b>	<b>58,477</b>	<b>46,871</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County in 2003**

<b>County</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	164,981	78,893
San Bernardino	357,978	250,204
San Diego	57,182	33,778
<b>Grand Total</b>	<b>580,141</b>	<b>362,875</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County in 2004**

<b>County</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	10,346	8,250
San Bernardino	23,588	20,703
San Diego	7,531	5,894
<b>Grand Total</b>	<b>41,465</b>	<b>34,848</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County in 2005**

<b>County</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	1,444	1,251
San Bernardino	4,893	4,595
San Diego	760	682
<b>Grand Total</b>	<b>7,097</b>	<b>6,528</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Owner in 2001**

County	Owner	Mortality Zone	Forest with Mortality
Riverside	FEDERAL	1,715	1,281
	PRIVATE	1,672	1,606
	STATE	61	61
	TRIBAL	0	0
<b>Riverside Total</b>		3,448	2,948
San Bernardino	FEDERAL	684	676
	PRIVATE	988	784
	STATE	0	0
	TRIBAL	0	0
<b>San Bernardino Total</b>		1,672	1,460
San Diego	FEDERAL	402	362
	PRIVATE	0	0
	STATE	0	0
	TRIBAL	0	0
<b>San Diego Total</b>		402	362
<b>Grand Total</b>		5,522	4,770

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Owner in 2002**

County	Owner	Mortality Zone	Forest with Mortality
Riverside	FEDERAL	22,230	15,457
	PRIVATE	7,189	6,405
	STATE	2,846	2,772
	TRIBAL	234	119
<b>Riverside Total</b>		32,499	24,753
San Bernardino	FEDERAL	11,517	9,515
	PRIVATE	7,246	6,444
	STATE	89	89
	TRIBAL	0	0
<b>San Bernardino Total</b>		18,852	16,048
San Diego	FEDERAL	2,269	1,945
	PRIVATE	4,077	3,611
	STATE	550	445
	TRIBAL	230	69
<b>San Diego Total</b>		7,126	6,070
<b>Grand Total</b>		58,477	46,871

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Owner in 2003**

<b>County</b>	<b>Owner</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
<b>Riverside</b>	FEDERAL	119,535	53,596
	PRIVATE	26,624	12,704
	STATE	17,041	12,002
	TRIBAL	1,781	591
<b>Riverside Total</b>		164,981	78,893
<b>San Bernardino</b>	FEDERAL	286,522	198,973
	PRIVATE	69,751	50,773
	STATE	1,705	458
	TRIBAL	0	0
<b>San Bernardino Total</b>		357,978	250,204
<b>San Diego</b>	FEDERAL	14,756	8,046
	LOCAL	123	28
	PRIVATE	20,049	12,955
	STATE	9,362	6,021
	TRIBAL	12,892	6,728
<b>San Diego Total</b>		57,182	33,778
<b>Grand Total</b>		580,141	362,875

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Owner in 2004**

<b>County</b>	<b>Owner</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
<b>Riverside</b>	FEDERAL	7,000	5,254
	PRIVATE	1,369	1,099
	STATE	1,937	1,860
	TRIBAL	40	37
<b>Riverside Total</b>		10,346	8,250
<b>San Bernardino</b>	FEDERAL	19,694	17,448
	PRIVATE	3,891	3,252
	STATE	3	3
	TRIBAL	0	0
<b>San Bernardino Total</b>		23,588	20,703
<b>San Diego</b>	FEDERAL	2,477	1,927
	LOCAL	114	114
	PRIVATE	2,040	1,523
	STATE	743	675
	TRIBAL	2,157	1,655
<b>San Diego Total</b>		7,531	5,894
<b>Grand Total</b>		41,465	34,848

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Owner in 2005**

<b>County</b>	<b>Owner</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
<b>Riverside</b>	FEDERAL	1,163	998
	PRIVATE	196	172
	STATE	85	81
	TRIBAL	0	0
<b>Riverside Total</b>		1,444	1,251
<b>San Bernardino</b>	FEDERAL	4,771	4,475
	PRIVATE	122	120
	STATE	0	0
	TRIBAL	0	0
<b>San Bernardino Total</b>		4,893	4,595
<b>San Diego</b>	FEDERAL	208	193
	LOCAL	322	315
	PRIVATE	117	91
	STATE	113	83
	TRIBAL	0	0
<b>San Diego Total</b>		760	682
<b>Grand Total</b>		7,097	6,528

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fed/Non-Fed in 2001**

<b>County</b>	<b>Fed/Non-Fed</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	Federal	1,715	1,281
	Non-Federal	1,733	1,667
Riverside Total		3,448	2,948
San Bernardino	Federal	684	676
	Non-Federal	988	784
San Bernardino Total		1,672	1,460
San Diego	Federal	402	362
	Non-Federal	0	0
San Diego Total		402	362
<b>2001 Total</b>		<b>5,522</b>	<b>4,770</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fed/Non-Fed in 2002**

<b>County</b>	<b>Fed/Non-Fed</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	Federal	22,230	15,457
	Non-Federal	10,269	9,296
Riverside Total		32,499	24,753
San Bernardino	Federal	11,517	9,515
	Non-Federal	7,335	6,533
San Bernardino Total		18,852	16,048
San Diego	Federal	2,269	1,945
	Non-Federal	4,856	4,125
San Diego Total		7,126	6,070
<b>2002 Total</b>		<b>58,477</b>	<b>46,871</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fed/Non-Fed in 2003**

<b>County</b>	<b>Fed/Non-Fed</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	Federal	119,535	53,596
	Non-Federal	45,446	25,297
Riverside Total		164,981	78,893
San Bernardino	Federal	286,522	198,973
	Non-Federal	71,456	51,231
San Bernardino Total		357,978	250,204
San Diego	Federal	14,756	8,046
	Non-Federal	42,426	25,732
San Diego Total		57,182	33,778
<b>2003 Total</b>		<b>580,141</b>	<b>362,875</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fed/Non-Fed in 2004**

<b>County</b>	<b>Fed/Non-Fed</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	Federal	7,000	5,254
	Non-Federal	3,346	2,996
Riverside Total		10,346	8,250
San Bernardino	Federal	19,694	17,448
	Non-Federal	3,894	3,255
San Bernardino Total		23,588	20,703
San Diego	Federal	2,477	1,927
	Non-Federal	5,054	3,968
San Diego Total		7,531	5,894
<b>2004 Total</b>		<b>41,465</b>	<b>34,848</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fed/Non-Fed in 2005**

<b>County</b>	<b>Fed/Non-Fed</b>	<b>Mortality Zone</b>	<b>Forest with Mortality</b>
Riverside	Federal	1,163	998
	Non-Federal	281	252
Riverside Total		1,444	1,251
San Bernardino	Federal	4,771	4,475
	Non-Federal	122	120
San Bernardino Total		4,893	4,595
San Diego	Federal	208	193
	Non-Federal	552	489
San Diego Total		760	682
<b>2005 Total</b>		<b>7,097</b>	<b>6,528</b>

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fire Protection Agency in 2001**

County	Fire Protection Agency	Mortality Zone	Forest Mortality Zone
Riverside	Federal (FRA)	1,757	1,324
	State (SRA)	1,691	1,624
Riverside Total		3,448	2,948
San Bernardino	Federal (FRA)	627	619
	State (SRA)	1,045	841
San Bernardino Total		1,672	1,460
San Diego	Federal (FRA)	402	362
San Diego Total		402	362
2001 Total		5,522	4,770

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fire Protection Agency in 2002**

County	Fire Protection Agency	Mortality Zone	Forest Mortality Zone
Riverside	Federal (FRA)	23,052	16,223
	State (SRA)	9,297	8,382
	Local (LRA)	150	148
Riverside Total		32,499	24,753
San Bernardino	Federal (FRA)	11,528	9,497
	State (SRA)	7,324	6,551
San Bernardino Total		18,852	16,048
San Diego	Federal (FRA)	2,507	2,023
	State (SRA)	4,617	4,047
San Diego Total		7,126	6,070
2002 Total		58,477	46,871

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fire Protection Agency in 2003**

County	Fire Protection Agency	Mortality Zone	Forest Mortality Zone
Riverside	Federal (FRA)	122,097	54,925
	Local (LRA)	2,389	715
	State (SRA)	40,495	23,253
Riverside Total		164,981	78,893
San Bernardino	Federal (FRA)	285,708	198,127
	Local (LRA)	3,728	2,224
	State (SRA)	68,542	49,853
San Bernardino Total		357,978	250,204
San Diego	Federal (FRA)	27,434	14,615
	Local (LRA)	41	0
	State (SRA)	29,707	19,163
San Diego Total		57,182	33,778
2003 Total		580,141	362,875

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fire Protection Agency in 2004**

<b>County</b>	<b>Fire Protection Agency</b>	<b>Mortality Zone</b>	<b>Forest Mortality Zone</b>
<b>Riverside</b>	<b>Federal (FRA)</b>	7,189	5,298
	<b>Local (LRA)</b>	105	61
	<b>State (SRA)</b>	3,052	2,891
<b>Riverside Total</b>		10,346	8,250
<b>San Bernardino</b>	<b>Federal (FRA)</b>	19,627	17,380
	<b>Local (LRA)</b>	69	53
	<b>State (SRA)</b>	3,892	3,270
<b>San Bernardino Total</b>		23,588	20,703
<b>San Diego</b>	<b>Federal (FRA)</b>	4,627	3,578
	<b>State (SRA)</b>	2,904	2,316
<b>San Diego Total</b>		7,531	5,894
<b>2004 Total</b>		41,465	34,848

**Southern California Insect-Related Tree Mortality  
Mortality Zone by County and Fire Protection Agency in 2005**

<b>County</b>	<b>Fire Protection Agency</b>	<b>Mortality Zone</b>	<b>Forest Mortality Zone</b>
<b>Riverside</b>	<b>Federal (FRA)</b>	1,189	1,024
	<b>Local (LRA)</b>	7	7
	<b>State (SRA)</b>	248	218
<b>Riverside Total</b>		1,444	1,251
<b>San Bernardino</b>	<b>Federal (FRA)</b>	4,716	4,420
	<b>State (SRA)</b>	177	175
<b>San Bernardino Total</b>		4,893	4,595
<b>San Diego</b>	<b>Federal (FRA)</b>	321	275
	<b>State (SRA)</b>	439	407
<b>San Diego Total</b>		760	682
<b>2005 Total</b>		7,097	6,528

