

## Aerial Survey Observations for Eastern Oregon in 2000-2001

*** Eastern Oregon				2000		2001	
Agent	Land Ownership	acres	trees killed	acres	trees killed	acres	trees killed
<b>Balsam woolly adelgid</b>							
	Forest Service	1,986	0	7,827	0		
	Indian Reservation			15	0		
	Private	379	0	973	0		
	Wildernesses, Nat'l Monuments	1,144	253	3,737	0		
	<b>Balsam woolly adelgid -- subtotal:</b>	<b>3,509</b>	<b>253</b>	<b>12,552</b>	<b>0</b>		
<b>Bear</b>							
	Forest Service			7	4		
	National Park Service	35	10				
	Private	7	5	1	1		
	<b>Bear -- subtotal:</b>	<b>42</b>	<b>15</b>	<b>8</b>	<b>5</b>		
<b>Black pineleaf scale</b>							
	Private	108	0				
	<b>Black pineleaf scale -- subtotal:</b>	<b>108</b>	<b>0</b>				
<b>Blister rust</b>							
	Bureau of Land Management			226	0		
	Forest Service	34	0	1,087	0		
	Private			70	0		
	Wildernesses, Nat'l Monuments	434	0	5,076	0		
	<b>Blister rust -- subtotal:</b>	<b>468</b>	<b>0</b>	<b>6,459</b>	<b>0</b>		
<b>Douglas-fir beetle</b>							
	Bureau of Land Management	525	401	88	52		
	Forest Service	25,663	26,495	12,693	24,536		
	Indian Reservation	41	60	83	120		
	National Park Service	24	10	57	15		
	Private	1,368	1,146	725	666		
	Wildernesses, Nat'l Monuments	2,667	2,288	2,307	2,053		
	<b>Douglas-fir beetle -- subtotal:</b>	<b>30,288</b>	<b>30,400</b>	<b>15,953</b>	<b>27,442</b>		
<b>Douglas-fir tussock moth</b>							
	Bureau of Land Management	3,572	0	1	0		
	Forest Service	131,310	0	16,766	0		
	Private	4,479	0	600	0		
	Wildernesses, Nat'l Monuments	34,836	0	11,782	0		
	<b>Douglas-fir tussock moth -- subtotal:</b>	<b>174,197</b>	<b>0</b>	<b>29,149</b>	<b>0</b>		
<b>Fir engraver</b>							
	Bureau of Land Management	7	13	63	44		
	Forest Service	2,159	804	2,947	6,024		
	Indian Reservation	12	10	11	5		
	National Park Service			30	20		
	Private	124	83	375	185		
	Wildernesses, Nat'l Monuments	371	346	1,935	1,412		
	<b>Fir engraver -- subtotal:</b>	<b>2,673</b>	<b>1,256</b>	<b>5,361</b>	<b>7,690</b>		

<b>*** Eastern Oregon ***</b>		<b>2000</b>		<b>2001</b>	
<b>Agent</b>	<b>Land Ownership</b>	<b>acres</b>	<b>trees killed</b>	<b>acres</b>	<b>trees killed</b>
<b>Fire</b>					
	Bureau of Land Management	853	0		
	Forest Service	6,461	0	108	0
	Indian Reservation	926	0	1,033	0
	Private	8,405	0	7	0
	State of Oregon	41	0		
	Wildernesses, Nat'l Monuments	985	0		
	<b>Fire -- subtotal:</b>	<b>17,671</b>	<b>0</b>	<b>1,148</b>	<b>0</b>
<b>Hardwood decline</b>					
	Forest Service	439	0		
	Private	218	0	5,203	0
	<b>Hardwood decline -- subtotal:</b>	<b>657</b>	<b>0</b>	<b>5,203</b>	<b>0</b>
<b>Larch casebearer/hypodermella</b>					
	Bureau of Land Management			28	0
	Forest Service	4,982	0	1,088	0
	Indian Reservation			3,055	0
	Private	20	0	35	0
	Wildernesses, Nat'l Monuments	551	0	286	0
	<b>Larch casebearer/hypodermella -- subtotal:</b>	<b>5,553</b>	<b>0</b>	<b>4,492</b>	<b>0</b>
<b>Larch needle cast</b>					
	Bureau of Land Management			159	0
	Forest Service	810	0	467	0
	Indian Reservation	2,426	0	437	0
	Private			2,164	0
	Wildernesses, Nat'l Monuments	1,412	0		
	<b>Larch needle cast -- subtotal:</b>	<b>4,648</b>	<b>0</b>	<b>3,227</b>	<b>0</b>
<b>Lodgepole pine needle cast</b>					
	Forest Service	8,683	0	186	0
	Private	359	0		
	<b>Lodgepole pine needle cast -- subtotal:</b>	<b>9,042</b>	<b>0</b>	<b>186</b>	<b>0</b>
<b>Modoc budworm</b>					
	Forest Service	278	0		
	Private	187	0		
	State of Oregon	12	0		
	<b>Modoc budworm -- subtotal:</b>	<b>477</b>	<b>0</b>		
<b>Mountain pine beetle, lodgepole pine</b>					
	Bureau of Land Management	9	10	72	62
	Forest Service	23,860	56,350	32,740	206,919
	Indian Reservation	2,288	6,192	1,345	3,945
	National Park Service	25	10	55	30
	Private	8,630	8,352	1,952	3,634
	State of Oregon			73	18
	Wildernesses, Nat'l Monuments	688	910	4,878	33,530
	<b>Mountain pine beetle, lodgepole pine -- subtotal:</b>	<b>35,500</b>	<b>71,824</b>	<b>41,115</b>	<b>248,138</b>

<b>*** Eastern Oregon ***</b>		<b>2000</b>		<b>2001</b>	
<b>Agent</b>	<b>Land Ownership</b>	<b>acres</b>	<b>trees killed</b>	<b>acres</b>	<b>trees killed</b>
<b>Mountain pine beetle, ponderosa pine</b>					
	Bureau of Land Management	124	63	687	859
	Forest Service	3,614	2,386	18,445	26,179
	Indian Reservation			1,101	805
	National Park Service	16	9		
	Private	777	575	6,866	6,218
	State of Oregon	17	12		
	Wildernesses, Nat'l Monuments	178	142	492	332
	<b>Mountain pine beetle, ponderosa pine -- subtotal:</b>	<b>4,726</b>	<b>3,187</b>	<b>27,591</b>	<b>34,393</b>
<b>Mountain pine beetle, sugar pine</b>					
	Forest Service	28	6	15	4
	National Park Service	30	4		
	Private	1	1	5	1
	<b>Mountain pine beetle, sugar pine -- subtotal:</b>	<b>59</b>	<b>11</b>	<b>20</b>	<b>5</b>
<b>Mountain pine beetle, w. white pine</b>					
	Forest Service			11	5
	Wildernesses, Nat'l Monuments	50	15	42	50
	<b>Mountain pine beetle, w. white pine -- subtotal:</b>	<b>50</b>	<b>15</b>	<b>53</b>	<b>55</b>
<b>Mountain pine beetle, whitebark pine</b>					
	Forest Service	94	51	319	188
	Private	7	5	27	6
	Wildernesses, Nat'l Monuments	961	472	3,561	3,028
	<b>Mountain pine beetle, whitebark pine -- subtotal:</b>	<b>1,062</b>	<b>528</b>	<b>3,907</b>	<b>3,222</b>
<b>Needleminers on ponderosa pine</b>					
	Forest Service	298	0	96	0
	Private	48	0	390	0
	Wildernesses, Nat'l Monuments	676	0		
	<b>Needleminers on ponderosa pine -- subtotal:</b>	<b>1,022</b>	<b>0</b>	<b>486</b>	<b>0</b>
<b>Oregon pine ips</b>					
	Bureau of Land Management			15	49
	Forest Service	7	13	29	25
	Private	6	8	93	117
	<b>Oregon pine ips -- subtotal:</b>	<b>13</b>	<b>21</b>	<b>137</b>	<b>191</b>
<b>Pine needle sheathminer</b>					
	Forest Service			146	0
	<b>Pine needle sheathminer -- subtotal:</b>			<b>146</b>	<b>0</b>
<b>Satin moth</b>					
	Forest Service	42	0	215	0
	Private	17	0	9	0
	<b>Satin moth -- subtotal:</b>	<b>59</b>	<b>0</b>	<b>224</b>	<b>0</b>
<b>Spruce beetle</b>					
	Forest Service	881	546	347	336
	Wildernesses, Nat'l Monuments	529	347	247	230

<b>*** Eastern Oregon</b>		<b>2000</b>		<b>2001</b>	
<b>Agent</b>	<b>Land Ownership</b>	<b>acres</b>	<b>trees killed</b>	<b>acres</b>	<b>trees killed</b>
<b>Spruce beetle -- subtotal:</b>		<b>1,410</b>	<b>893</b>	<b>594</b>	<b>566</b>
<b>Unknown defoliator</b>					
	Bureau of Land Management			6	0
	Forest Service	1,154	0	249	0
	Private	181	0	603	0
	Wildernesses, Nat'l Monuments			46	0
<b>Unknown defoliator -- subtotal:</b>		<b>1,335</b>	<b>0</b>	<b>904</b>	<b>0</b>
<b>Western balsam bark beetle</b>					
	Bureau of Land Management			43	23
	Forest Service	629	266	3,692	2,852
	Private	1	2	53	27
	Wildernesses, Nat'l Monuments	64	61	4,705	5,611
<b>Western balsam bark beetle -- subtotal:</b>		<b>694</b>	<b>329</b>	<b>8,493</b>	<b>8,513</b>
<b>Western pine beetle</b>					
	Bureau of Land Management	11	6	54	21
	Forest Service	177	101	1,157	541
	Private	65	29	247	171
	Wildernesses, Nat'l Monuments	87	75		
<b>Western pine beetle -- subtotal:</b>		<b>340</b>	<b>211</b>	<b>1,458</b>	<b>733</b>
<b>Western pine beetle, small trees</b>					
	Bureau of Land Management			132	158
	Forest Service	334	316	379	424
	Private	1,276	5,706	514	730
	Wildernesses, Nat'l Monuments	27	15		
<b>Western pine beetle, small trees -- subtotal:</b>		<b>1,637</b>	<b>6,037</b>	<b>1,025</b>	<b>1,312</b>
<b>Western spruce budworm</b>					
	Forest Service	867	0	228	0
	Private	11	0	17	0
<b>Western spruce budworm -- subtotal:</b>		<b>878</b>	<b>0</b>	<b>245</b>	<b>0</b>
<b>Wind</b>					
	Forest Service	7	0		
	Wildernesses, Nat'l Monuments	23	0		
<b>Wind -- subtotal:</b>		<b>30</b>	<b>0</b>		
<b>Winter damage</b>					
	Forest Service			20	0
<b>Winter damage -- subtotal:</b>				<b>20</b>	<b>0</b>
<b>Grand Total</b>		<b>298,148</b>	<b>114,980</b>	<b>170,156</b>	<b>332,265</b>

**Note: Eastern Oregon includes data from these counties:**

Baker, Crook, Deschutes, Gilliam, Grant, Harney, Hood River, Jefferson, Klamath, Lake, Malheur, Morrow, Umatilla, Union, Wallowa, Wasco, Wheeler