



# NATIONAL INSECT and DISEASE RISK MAP

## MOST SIGNIFICANT CONTRIBUTING AGENTS TO THE 2006 RISK MAP (ranked by millions of sq. ft. of BA Loss)

Agent Name	BA Losses (millions of square feet)
Mountain Pine Beetle	750.5
Red Oak Decline	657.9
Southern Pine Beetle	589.2
Root Diseases - All	518.5
Gypsy Moth	448.0
Pine Engraver Beetle (Ips)	345.4
Fir Engraver Beetle	270.2
Douglas-Fir Beetle	242.8
Spruce Beetle	195.2
Hardwood Decline	181.2
Western Pine Beetle	136.0
Spruce Budworm	84.0
Beech Bark Disease	78.9
Douglas-Fir, White and Grand Fir Defoliators	78.2
Jeffrey Pine Beetle	70.2
Dwarf Mistletoes	66.1
Aspen Decline	65.5
Western Balsam Bark Beetle	57.0
Sudden Oak Death	53.3
Hemlock Looper	53.1
Western Red Cedar Mortality	39.8
Balsam Woolly Adelgid	39.5
Hemlock Woolly Adelgid	21.1
White Pine Blister Rust	18.3
Round Headed Pine Beetle	15.0
Fusiform Rust	14.3
Oak Wilt	14.0
Aspen Forest Tent Caterpillar	13.3
Dutch Elm Disease	12.3
Northern Spruce Engraver Beetle	12.1
Jack Pine Budworm	8.6
Douglas-Fir Tussock Moth	8.6
Bronze Birch Borer	6.3
Alaska Yellow Cedar Decline	5.3
Western Spruce Budworm	4.9
Emerald Ash Borer	4.7
Butternut Canker	2.7
Eastern Larch Beetle	1.9
Asian Longhorn Beetle	1.4
Pacific Silver Fir Beetle	1.2
Spruce Aphid	0.5
Pacific Madrone Decline	0.2