

Selected References

1. Amman, G. D., M. D. McGregor, and R. E. Dolph, Jr. 1985. Mountain pine beetle. USDA Forest Service, Forest Insect and Disease Leaflet 2. 11 p.
2. Barr, B. A., D. L. Hanson, and C. S. Koehler. 1978. Red turpentine beetle – a pest of pines. University of California, Division of Agricultural Sciences Leaflet 21055. 4 p.
3. Beatty, J. 1979. Forest insect and disease conditions in the Southwest 1979. USDA Forest Service, Southwestern Region Publication 80-7, 29 p.
4. Beckwith, Roy C. 1973. The large aspen tortrix. USDA Forest Service, Forest Pest Leaflet 139. 5 p.
5. Blake, E. A., M. R. Wagner, and T. W. Koerber. 1985. Insects destructive to the ponderosa pine cone crops in northern Arizona. In: Proc. Conifer Tree Seed in the Inland Mountain West Symposium, Aug. 5-6, Missoula, MT. USDA Forest Service, Intermountain Research Station: 238-242.
6. Bolander, P., ed. 1999. Dust palliative selection and application guide. Project Report. 9977-1207-SDTDC. San Dimas, CA: USDA Forest Service, San Dimas Technology and Development Center. 20 p.
7. Borden, J. H., and M. McClaren. 1970. Biology of *Cryptoporus volvatus* (Peck) Shear (Agaricales, Polyporaceae) in southwestern British Columbia: distribution, host species, and relationship with subcortical insects. *Syesis*, Vol. 3: 145 – 154.
8. Cain, R., J. Cota, and C. Ward. 1990. Conifer pests in New Mexico. Rev. ed. (Albuquerque, NM): USDA Forest Service, Southwestern Region. 48 p.
9. Cain, R., and D. Parker. 1998. Conifer pests in New Mexico. Rev. ed. (Albuquerque, NM): USDA Forest Service, Southwestern Region. 50 p.

10. Carolin, V. M., and J. A. E. Knopf. 1968. The pandora moth. USDA Forest Service. Forest Pest Leaflet 114, 7 p.
11. Childs, T. W., K. R. Shea, and K. L. Stewart. 1971. Elytroderma disease of ponderosa pine. USDA Forest Service. Forest Pest Leaflet 42. 6p.
12. Conklin, D. A. 2000. Dwarf mistletoe management and forest health in the Southwest. USDA Forest Service, Southwestern Region, unnumbered report. 30 p.
13. Corn, M. L., E. H. Buck, J. Rawson, and E. Fischer. 1999. Harmful nonnative species: issues for Congress. National Council for Science and the Environment. Report RL30123. 50 p.
14. Coulson R. N. and J. A. Witter. 1984. Forest Entomology: Ecology and Management. John Wiley & Sons, New York, NY. 669 p.
15. Cranshaw, W., D. Leatherman, W. Jacobi, B. Kondraitieff, and L. Mannix. 2000. Insects and Diseases of Woody Plants of the Central Rockies. Bulletin 506A. Colorado State University Cooperative Extension. Fort Collins, 283 p.
16. Dahms, C. W. and B. W. Geils, tech. eds. 1997. An assessment of forest ecosystem health in the Southwest. General Technical Report RM-GTR-295. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Forest and Range Experiment Station. 97 p.
17. DeMars, Jr., C. J., and B. H. Roettgering. 1982. Western pine beetle. USDA Forest Service, Forest Insect and Disease Leaflet 1. 8 p.
18. Dunbar, C. S. and M. R. Wagner. 1990. Distribution of ponderosa pine (*Pinus ponderosa*) feeding sawflies (Hymenoptera: Diprionidae) in the United States and Canada. Entomol. News 101: 266-272.

19. Fellin, D. G. and J. E. Dewey. 1982. Western spruce budworm. USDA Forest Service, Forest Insect and Disease Leaflet 53. 10 p.
20. Ferrell, G. T. 1986. Fir engraver. USDA Forest Service, Forest Insect and Disease Leaflet 13. 8 p.
21. Filip, G. M., and Schmitt, C. L. 1990. RX for Abies: silvicultural options for diseased firs in Oregon and Washington. USDA Forest Service, GTR-PNW-252. 34 p.
22. Funk, A. 1985. Foliar Fungi of Western Trees. Canadian Forestry Service, Pacific Research Centre. 159 p.
23. Furniss R. L. and V. M. Carolin. 1977. Western Forest Insects. USDA Forest Service, Miscellaneous Publication No. 1339. 654 p.
24. Furniss R. L. and J. B. Johnson. 2002. Field Guide to the Bark Beetles of Idaho and Adjacent Regions. University of Idaho. 125 p.
25. Geils, B. W., J. Cibrian Tovar, and B. Moody, tech. coords. 2002. Mistletoes of North American conifers. Gen. Tech. Rep. RMRS-GTR-98. Ogden, UT: USDA, Forest Service, Rocky Mountain Research Station. 123 p.
26. Geils, B. W.; Conklin, D. A.; Van Arsdel, E. P. 1999. A preliminary hazard model of white pine blister rust for the Sacramento Ranger District, Lincoln National Forest. USDA Forest Service, RMRS-RN-6. 6 p.
27. Gilbertson, R. L. 1974. Fungi That Decay Ponderosa Pine. Tucson: University of Arizona Press. 197 p.
28. Gilbertson, R. L., and M. Rosemeyer. 1986. Comandra blister rust on Mondell pine in Arizona. Arizona Plant Pathology, Unnumbered Bulletin. Tucson, AZ; Dept. of Plant Pathology, University of Arizona. 3 p.

29. Gilbertson, R. L., and L. Ryvardeen. 1986. North American Polypores, Volume 1. Oslo: Fungiflora: 1 - 433.
30. Gilbertson, R. L., and L. Ryvardeen. 1987. North American Polypores, Volume 2. Oslo: Fungiflora: 434-885.
31. Hagle, S. K.; Byler, J. W. 1994. Root diseases and natural disease regimes in forest of western U.S.A. In: Johansson, M. and J. Stenlid, eds. Proceedings of the Eighth International Conference on Root and Butt Rots; 1993 August 9-16; Wik, Sweden and Haikko, Finland. Uppsala, Sweden: Swedish University of Agricultural Sciences: 606-617.
32. Hagle, S. K., S. Tunnock, K. E. Gibson, and C. J. Gilligan. 1987. Field Guide to Diseases and Insect Pests of Idaho and Montana Forests. USDA Forest Service, Northern Region. 123 p.
33. Hawksworth, F. G. 1961. Dwarf mistletoe of ponderosa pine in the Southwest. Tech. Bull. 1246. USDA, Forest Service, Rocky Mountain Forest and Range Experiment Station. 13 p.
34. Hawksworth, F. G., and B. W. Geils. 1990. How long do mistletoe-infected ponderosa pines live? Western Journal of Applied Forestry. 5(2): 47-48.
35. Hawksworth, F. G. and R. F. Scharpf. 1981. Phoradendron on conifers. USDA Forest Service, Forest Pest Leaflet 164. 7p.
36. Hedlin, A. F., H. O. Yates, D. C. Tovar, B. H. Ebel, T.W. Koerber, and E. P. Merkel. 1980. Cone and Seed Insects of North American Conifers. Canadian Forestry Service. 122 p.
37. Hessburg, P. F., D. J. Goheen, and R. V. Bega. 1995. Black stain root disease of conifers. Forest Insect and Disease Leaflet 145 (rev.). USDA Forest Service. 10 p.

38. Hinds, T. E. 1985. Diseases. In: DeByle, N. V., Winokur, R. P., eds. *Aspen: Ecology and Management in Western United States*. Tech. Rep. RM-119. Fort Collins, CO: USDA Forest Service, Rocky Mountain Forest and Range Experiment Station: 87-106.
39. Hinds, T. E. and M. G. Ryan. 1985. Expansion of sooty-bark and ceratocystis cankers on aspen. *Plant Disease* 69:842-844.
40. Holsten, E. H., P. E. Hennon, L. Trummer, and M. Schultz. 2001. *Insects and Diseases of Alaskan Forests*. USDA Forest Service, Alaska Region, R10-TP-87. 242 p.
41. Holsten, E. H., R. W. Their, A. S. Munson, and K. E. Gibson. 1999. The spruce beetle. USDA Forest Service, Forest Insect & Disease Leaflet 127. 12 p.
42. Itami, J. K. and T. P. Craig. 1989. Life history of *Styloxus bicolor* (Coleoptera: Cerambycidae) on *Juniperus monosperma* in northern Arizona. *Annals of the Entomological Society of America* 82: 582-587.
43. Jennings, D. T. and R. E. Stevens. 1982. Southwestern pine tip moth. USDA Forest Service, Forest Insect and Disease Leaflet 58. 7 p.
44. Johnson, D. W., J. S. Beatty, and T. E. Hinds. 1995. Cankers on western quaking aspen. USDA Forest Service, Forest Pest Leaflet 152. 9 p.
45. Johnson W. T. and H. H. Lyon, 1988. *Insects that feed on trees and shrubs*, 2nd ed. Cornell University Press, Ithaca, NY. 556 p.
46. Kanaskie, A., J. Chetock, G. Irwin, D. Overhulser. 1990. Black bear damage to forest trees in northwest Oregon 1988-1989, Pest Management Report 90-1, Oregon Department of Forestry, Salem, OR.

47. Keen, F. P. 1958. Cone and seed insects of western forest trees. USDA Forest Service, California Forest and Range Exp. Stn. Tech. Bull. 1169. 169 p.
48. Kegley, S. J., R. L. Livingston, and K. E. Gibson. 1997. Pine engraver, *Ips pini* (Say), in the western United States. USDA Forest Service, Forest Insect and Disease Leaflet 122. 7 p.
49. Kimball, B. A., D. L. Nolte, D. L. Griffin, S. M. Dutton and S. Ferguson. 1998. Impacts of live canopy pruning on the chemical constituents of Douglas-fir vascular tissues: implications for black bear tree selection. *Forest Ecology and Management*. 109(1-3):51-56.
50. Linnane, J. P., comp. 1984. Annual Southwestern Region pest conditions report-1983. USDA Forest Service, Southwestern Region. Albuquerque, NM. R3 84-13. 13 p.
51. Lightle, P. C. and S. R. Andrews. 1968. Red rot in residual ponderosa pine stands on the Navajo Indian Reservation. USDA Forest Service, Rocky Mountain Research Station. Res. Pap. RM-37. 12 p.
52. Livingston, R. L. 1979. The pine engraver beetle in Idaho, life history, habits and management recommendations. Idaho Department of Lands, Forest Insect and Disease Control Report 79-3. 7 p.
53. Livingston, W. H., A. C. Mangini, H. G. Kinzer, and M. E. Mielke. 1983. Association of root diseases and bark beetles (Coleoptera: Scolytidae) with *Pinus ponderosa* in New Mexico. *Plant Disease* 67: 674-676.
54. Lynch, A. M. 2003. Spruce aphid in high elevation habitats in the Southwest. p. 60-63. In: S. L. C. Gosbroke, K.W. Gottschalk, editors, Proceedings of the USDA interagency research forum on gypsy moth and other invasive species, 2002. USDA Forest Service, GTR-NE-300.

55. Lynch, A. M. 2004. Fate and characteristics of *Picea* damaged by *Elatobium abietinum* (Walker) (Homoptera: Aphididae) in the White Mountains of Arizona. *Western North American Naturalist*. 7-17.
56. Lynch, A. M. and Fitzgibbon, R. A. 2005. Biology and impact of *Nepytia janetae* in spruce-fir forests in Arizona, USA, submitted for publication.
57. Lynch, A. M., J. L. Wilson, and M. S. Frank. In press. *Elatobium abietinum* (Walker) populations reach epidemic levels on *Picea engelmannii* Parry in the interior southwestern United States. *Journal of Agricultural and Forest Entomology*.
58. Maffei, H., and J. Beatty. 1988. Changes in the incidence of dwarf mistletoe over 30 years in the Southwest. Van der Kamp, B. J. ed., *Proceedings 36th Western International Forest Disease Work Conference; 1988 September 19-23; Park City, UT*. Vancouver, BC: University of British Columbia: 88-90.
59. Maijala, P., T. C. Harrington, and M. Raudaskoski. 2003. A peroxidase gene family and gene tree in *Heterobasidion* and related genera. *Mycologia* 95:209-221.
60. Massey, C. L., Lucht, D. D., and J. M. Schmid. 1977. Roundheaded pine beetle. USDA Forest Service, Forest Insect and Disease Leaflet 155. 8 p.
61. Massey, C. L., and D. L. Parker. 1981. Arizona five-spined ips. USDA Forest Service, Forest Insect and Disease Leaflet 116. 6 p.
62. McCambridge, W. F. 1974. Pinyon needle scale. USDA Forest Service, Forest Insect and Disease Leaflet 148. 3 p.
63. McGregor, M. D., and L. O. Sandin. 1969. Pinyon sawfly, *Neodiprion edulicolis* Ross. USDA Forest Service, Forest Insect and Disease Leaflet 117. 10 p.

64. McMillin, J. D., K. E. Allen, D. F. Long, J. L. Harris and J. F. Negrón. 2003. Effects of western balsam bark beetle on spruce-fir forests of north-central Wyoming. *Western Journal of Applied Forestry* 18: 259-266.
65. McMillin, J. D., G. Hengxiao, M. R. Wagner & X. Long. 1996. Host density and elevation effects on the spatial distribution patterns of pine sawflies in eastern Arizona and southwestern China. *Forest Ecology and Management* 86: 151-161.
66. McMillin, J. D., and M. R. Wagner. 1989. Assessing the impacts of foliage-feeding insects on timber and scenic beauty of ponderosa pine: a methodological approach. p. 51-59. In: (A. Tecle, W. W. Covington & R. H. Hamre, tech. coord.) *Multiresource Management of Ponderosa Pine Forests*. USDA Forest Service GTR RM-185.
67. McMillin, J. D. and M. R. Wagner. 1993. Influence of stand characteristics and site quality on sawfly population dynamics. p. 333-361. In: (M. R. Wagner & K. F. Raffa, eds.) *Sawfly Life History Adaptations to Woody Plants*. Academic Press, Orlando, FL.
68. McMillin, J. D. and M. R. Wagner. 1997. Chronic defoliation impacts pine sawfly (Hymenoptera: Diprionidae) performance and host plant quality. *Oikos* 79: 357-362.
69. McMillin, J. D. and M. R. Wagner. 1998. Influence of host plant versus natural enemies on the spatial distribution of a pine sawfly, *Neodiprion autumnalis* (Hymenoptera: Diprionidae). *Ecological Entomology* 23: 397-408.
70. Mielke, J. L. 1943. White pine blister rust in western North America. Yale Univ. School of Forestry. Bulletin No. 52. 155 p.
71. Millar, C. S. 1984. *Lophodermella* species on pines. p. 45-55. In: *Recent Research on Conifer Needle Diseases*.

- Ed. Glenn W. Peterson. USDA Forest Service, General Technical Report GTR-WO 50.
72. Niwa, C G., R. E. Sandquist and 19 others. 2001. Invertebrates of the Columbia River basin assessment area. (T. M. Quigley, Ed.) Interior Columbia Basin Ecosystem Management Project: Scientific Assessment. USDA Forest Service, General Technical Report PNW-GTR-512, Portland, OR. 74 p.
 73. Otrosina, W. J.; Scharpf, R. F., technical coordinators. 1989. Proceedings of the Symposium on Research and Management of Annosus Root Disease (*Heterobasidion annosum*) in Western North America; April 18-21, 1989; Monterey, CA. Gen. Tech. Rep. PSW-116. Berkeley, CA: Pacific Southwest Forest and Range Experiment Station, USDA Forest Service. 177 p.
 74. Parker, D. L. 1980. Mountain pine beetle, *Dendroctonus ponderosae* Hopkins, in ponderosa pine, Kaibab Plateau, Arizona. USDA Forest Service, Southwestern Region, Integrated Pest Management Guide 80-8. 12 p.
 75. Parker, D. L. 1991. Integrated pest management guide: Arizona five-spined ips, *Ips lecontei* Swaine, and pine engraver, *Ips pini* (Say), in ponderosa pine. USDA Forest Service, Southwestern Region, 91-8. 17 p.
 76. Parmeter, J. R., Jr. 1978. Forest stand dynamics and ecological factors in relation to dwarf mistletoe spread, impact, and control. p. 16-30. In: Proceedings of the Symposium on Dwarf Mistletoe Control Through Forest Management. Robert F. Scharpf and John R. Parmeter, Jr., Tech. Coords., April 11-13, 1978, Berkeley, CA: USDA Forest Service, General Technical Report PSW-31. 190 p.
 77. Peterson, Glenn W. 1982. *Dothistroma* needle blight of pines. USDA Forest Service. Forest Pest Leaflet 143. 6 p.

78. Peterson, R. S. 1967. Studies of juniper rusts in the West. *Madroño* 19:79-91.
79. Peterson, R. S. 1968. Limb rust of pine: the causal fungi. *Phytopathology* 58: 309-315.
80. Rindge, F. H. 1967. A new species of *Nepytia* from the southern Rocky Mountains. *New York Entomological Society LXXV*: 74-76.
81. Schalaus, J. 2003. Cypress bark beetles. The University of Arizona College of Agriculture and Life Sciences Publication AZ1316. 2 p.
82. Scharpf, Robert F., tech. coord. 1993. Diseases of Pacific Coast Conifers. Agricultural Handbook 521. Washington, DC, USDA Forest Service. 199 p.
83. Scharpf, R. F., and R. V. Bega. 1981. Elytroderma disease reduces growth and vigor, increases mortality of jeffery pines at Lake Tahoe Basin, California. USDA Forest Service. PSW-155. 6 p.
84. Scharpf, R. F., and Hawksworth, F. G. 1974. Mistletoes on hardwoods in the United States. USDA Forest Service, Forest Pest Leaflet 147. 7 p.
85. Schmid, J. M., and D. D. Bennett. 1988. The North Kaibab Pandora Moth Outbreak, 1978-1984. USDA Forest Service, GTR-RM-153, 19 p.
86. Schmid, J. M. and R. H. Frye. 1977. Spruce beetle in the Rockies. USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-49. 38 p.
87. Schmid, J. M, J. C. Mitchell, K. D. Carlin, and M. R. Wagner. 1984. Insect damage, cone dimensions, and seed production in crown levels of ponderosa pine. *Great Basin Naturalist*: 575-578.

88. Schmitt, C. L., J. R. Parmeter, and J. T. Kliejunas. 2000. Annosus root disease of western conifers. USDA Forest Service, Forest Pest Leaflet 172. 10 p.
89. Schmitz, R. F. and Gibson, K. E. 1996. Douglas-fir beetle. USDA Forest Service, Forest Insect and Disease Leaflet 5. 8 p.
90. Shaw, C. G., III and G. A. Kile. 1991. Armillaria Root Disease. USDA Forest Service, Agriculture Handbook No. 691. 233 p.
91. Shepperd, Wayne D. and Fairweather, M. L. 1994. Impact of large ungulates in restoration of aspen communities in a southwestern ponderosa pine ecosystem. In: Covington, W. Wallace; DeBano, Leonard F.; tech. coords. Sustainable Ecological Systems: Implementing an Ecological Approach to Land Management. 1993 July 12-15; Flagstaff, Arizona. GTR-RM-247. Fort Collins, CO: USDA, Forest Service, Rocky Mountain Forest and Range Experiment Station.
92. Sinclair, W. A., H. H. Lyon, and W. T. Johnson. 1987. Diseases of Trees and Shrubs. Cornell University Press. 574 p.
93. Smith, A. A. 1992. Identification of Distinguishing Characteristics Around Middens of Mount Graham Red Squirrels. Thesis submitted to the faculty of the School of Renewable Natural Resources, University of Arizona. 78 p.
94. Smith, R. H. Red turpentine beetle. USDA Forest Service, Forest Insect and Disease Leaflet 55. 9 p.
95. Sower, L. L., G. E. Daterman, and C. Sartwell. 1989. Biology and impact of western pine shoot borer, *Eucosma sonomana*, in the western United States. p. 102-109. In: Proceedings of the IUFRO working group on Insects Affecting Reforestation, XVIII International Congress of Entomology, 1988. Vancouver, British Columbia, Canada.

96. Stevens, R. E., J. W. Brewer, and D. T. Jennings. 1978. Life history and habits of *Coleotechnites edulicola* (Gelechiidae) a piñon needle miner in the Southwest. *Journal of the Lepidopterists Society*. 32(2): 123-129.
97. Stevens, R. E. and D. T. Jennings. 1977. Western pine shoot borer: A threat to intensive management of ponderosa pine in the Rocky Mountain area and the Southwest. USDA Forest Service, GTR-RM 45. 8 p.
98. Swetnam, T. W., and A. M. Lynch. 1989. A tree-ring reconstruction of western spruce budworm in the southern Rocky Mountains. *Forest Science*. 35(4):962-986.
99. Swetnam, T. W. and A. M. Lynch. 1993. Multicentury, regional-scale patterns of western spruce budworm outbreaks. *Ecological Monographs*. 63(4):399-424.
100. Tainter, F. H. and F. A. Baker. 1996. *Principles of Forest Pathology*. John Wiley & Sons, Inc. 805 p.
101. Tinnin, R. O. 1984. The effect of dwarf mistletoe on forest community ecology. p. 117-122. In: Frank G. Hawksworth and Robert F. Scharpf, Tech. Coords., *Biology of Dwarf Mistletoes: Proceeding of the Symposium, 1984*. USDA Forest Service, GTR-RM-111.
102. Tkacz, B. M. 1991. Survival of *Inonotus tomentosus* in spruce stumps after logging. *Plant Disease* 75(8): 788-790.
103. USDA Forest Service. 1985. *Insects and diseases of trees in the South*. USDA Forest Service, GTR-R8-5. 98 p.
104. USDA Forest Service. 1986. *Tiger moth*. USDA Forest Service, Southwestern Region, Fact Sheet. 2 p.
105. USDA Forest Service. 2002. *Forest insect and disease conditions in the Southwestern Region, 2001*. USDA Forest Service, Southwestern Region. Albuquerque, NM. R3-02-01. 17 p.

106. Van Arsdel, E. P., and B. W. Geils. 2004. The Ribes of Colorado and New Mexico and their rust fungi. FHTET-04-13. Fort Collins, CO: USDA Forest Service, Forest Health Technology Enterprise Team. 32 p.
107. Vasiloff, S. 1997. Microburst prediction and detection. N.O.A.A. Western Region Technical Attachment. No. 97-21. 2 p.
108. Wagner, M. R. 2001. Insects and diseases of southwestern forests. Lecture notes compiled by Michael R. Wagner, Northern Arizona University. 159 p.
109. Washburn, R. I. and M. D. McGregor. 1974. White fir needle miner. USDA Forest Service, Forest Pest Leaflet 144, 5 p.
110. Whitney, R. D. 1977. Polyporus tomentosus root rot of conifers. Forestry Technical Report No. 18. Canadian Forestry Service; 12 p.
111. Wickman, B. E., R. R. Mason, and G. C. Trostle. 1981. Douglas-fir tussock moth. USDA Forest Service, Forest Insect and Disease Leaflet 86. 10 p.
112. Williams, R. E., C. G. Shaw, III, P. M. Wargo, and W. H. Sites. 1989. Armillaria Root Disease. USDA Forest Service, Forest Insect and Disease Leaflet 78 (rev.). 8 p.
113. Wilson, J. L. and A. M. Lynch. 1998. Spruce aphid in the Southwest. USDA Forest Service, Southwestern Region.
114. Wood, R. E. 1983. Mortality caused by root diseases and associated pests on six national forests in Arizona and New Mexico. USDA Forest Service, Southwestern Region, Albuquerque, New Mexico. R-3 83-13. 31 p.
115. Wood, S. L. 1982. The bark and ambrosia beetles of North and Central America (Coleoptera: Scolytidae), a taxonomic monograph. Great Basin Naturalist Memoirs. Number 6. 1359 p.

116. Yohe, K. H., G. B. Cummins, and R. L. Gilbertson. 1985. Revised list and host index of Arizona rust fungi. *Mycotaxon*. 23(2): 451-468.
117. Zabel, R. A. and J. J. Morrell. 1992. *Wood Microbiology: Decay and Its Prevention*. Academic Press, Inc. 476 p.