Sudden Oak Death – SOD Bibliography of Important Literature

Dr. Kim D. Coder, Warnell School of Forest Resources, University of Georgia April, 2004

Oaks (*Quercus* spp.) are a centerpiece of our forests and communities. Oaks are prone to many stresses, including a number of pathogens. Most pathogens are not significant to the life of an oak, but a few are life-threatening. Sudden oak death is initiated by a type of fungi named *Phytophthora ramorum*, newly discovered and named (~1993). It can be found on many species of plants as a leaf, bud, and twig pathogen. In a few species, such as in selected oaks, this pathogen attacks stems leading to tree death. This publication was developed to allow practitioners to enter the literature regarding this important pathogen. This is not a comprehensive review.

Coder, Kim D. 2004. Diagnosis of *Phytophthora ramorum* in trees. University of Georgia, Warnell School of Forest Resources, Outreach Publication SFR04-3. Pp.4.

Davidson, J.M., S. Werres, M. Garbelotto, E.M. Hanson, & D.M. Rizzo. 2003. Sudden oak death and associated diseases caused by *Phytophthora ramorum*. Plant Health Progress (July):1-21.

Davidson, J.M., M. Garbelotto, S.T. Koike, & D.M. Rizzo. 2002. First report of *Phytophthora ramorum* on Douglas-fir in California. Plant Disease 86(11):1274.

DeHaven, W.R. 2002. *Phytophthora ramorum* – Quarantine and regulations. USDA-Animal & Plant Health Inspection Service. Federal Register, 2/14/2002 67(31):6827-6837.

DeHaven, W.R. 2002. *Phytophthora ramorum* – Quarantine and regulations. USDA-Animal & Plant Health Inspection Service. Federal Register, 3/25/2002 67(57):13,560.

Department for Environment, Food, and Rural Affairs (DEFRA). 2004. *Phytophthora ramorum*: A threat to our trees, woodland and heathland. Forestry Commission Plant Health Service of the United Kingdom, Edinburgh, Scotland, UK. PB-8634b (revised).

Frankel, S. 2001. Sudden oak death caused by a new species, *Phytophthora ramorum*. USDA-Forest Service, Pacific Southwest Region. Pest Alert NA-PR-06-01.

Garbelotto, M. 2003. Composting as a control for sudden oak death disease. BioCycle 44(2):53-56

Garbelotto, M., J.M. Davidson, K. Ivors, P.E. Maloney, D. Huberli, S.T. Koike, & D.M. Rizzo. 2003. Non-oak native plants are main hosts for sudden oak death pathogen in California. California Agriculture 57(1):18-23.

Garbelotto, M., P. Svihra, & D.M. Rizzo. 2001. Sudden oak death syndrome fells three oak species. California Agriculture 55(1):9-19.

Goheen, E.M., E.M. Hansen, A. Kanaskie, M.G. McWilliams, N. Osterbauer, & W. Sutton. 2002. Sudden oak death caused by *Phytophthora ramorum* in Oregon. Plant Disease 86(4):441.



THE UNIVERSITY OF GEORGIA, THE UNITED STATES DEPARTMENT OF AGRICULTURE AND COUNTIES OF THE STATE COOPERATING. THE COOPERATIVE EXTENSION SERVICE OFFERS EDUCATIONAL PROGRAMS, ASSISTANCE AND MATERIALS TO ALL PEOPLE WITHOUT REGARD TO RACE, COLOR, NATIONAL ORIGIN, AGE, SEX OR HANDICAP STATUS. A UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA. AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION ORGANIZATION

UNIVERSITY OF GEORGIA WARNELL SCHOOL OF FOREST RESOURCES PUBLICATION SFR04-1

Hansen, E.M., P.W. Reeser, J.M. Davidson, M. Garbelotto, K. Ivors, L. Douhan, & D.M. Rizzo. 2003. *Phytophthora nemorosa*, a new species causing cankers and leaf blight of forest trees in California and Oregon. Mycotaxon 88:129-138.

Hansen, E.M., P.W. Reeser, W. Sutton, L.M. Winton, & N. Osterbauer. 2003. First report of A1 mating type of *Phytophthora ramorum* in North America. Plant Disease 87(10):1267.

Huberli, D., W. van Sant-Glass, J.G. Tse, & M. Garbelotto. 2003. First report of foliar infection of starflower by *Phytophthora ramorum*. Plant Disease 87(5):599.

Inman, A.J., V.C. Townend, A.V. Barnes, C.R. Lane, K.J.D. Hughes, R.L. Griffin, & S.J. Eales. 2003. First report of ramorum dieback (*Phytophthora ramorum*) on *Pieris* in England. Plant Pathology 52(6):785.

Jullien, J. & C. Casset. 2003. *Phytophthora ramorum*: Legitimate concern in France for several ornamental nursery species. Phytoma #561:16-20.

Kelly, M. & R.K. Meentemeyer. 2002. Landscape dynamics of the spread of sudden oak death. Photogrammetric Engineering & Remote Sensing (PE&RS) 68(10):1001-1009.

Lane, C.R., P.A. Beales, K.J.D. Hughes, R.L. Griffin, D. Munro, C.M. Brasier, J.F. Webber. 2003. First outbreak of *Phytophthora ramorum* in England, on *Viburnum tinus*. Plant Pathology 52(3):414.

Maloney, P.E., D.M. Rizzo, S.T. Koike, T.Y. Harnik, & M. Garbelotto. 2002. First report of *Phytophthora ramorum* on coast redwood in California. Plant Disease 86(11):1274.

Martin, F.N. & P.W. Tooley. 2003. Phylogenetic relationship of *Phytophthora ramorum*, *P. nemorosa*, and *P. pseudosyringae*, three species recovered from areas in California with sudden oak death. Mycological Research 107(12):1379-1391.

McPherson, B.A., D.L. Wood, A.J. Storer, N.M. Kelly, & R.B. Standiford. 2001. Sudden oak death, a new forest disease in California. Integrated Pest Management Reviews 6(3/4):243-246.

Merlier, D. de, A. Chandelier, & M. Cavelier. 2003. First report of *Phytophthora ramorum* on *Viburnum bodnantense* in Belgium. Plant Disease 87(2):203.

Murphy, S.K., & D.M. Rizzo. 2003. First report of *Phytophthora ramorum* on canyon live oak in California. Plant Disease 87(3):315.

O'Brien, J.G., M.E. Mielke, S. Oak, & B. Moltzan. 2002. Sudden oak death: Oak mortality is caused by a new pathogen, *Phytophthora ramorum*. USDA-Forest Service, Northeastern Area. Pest Alert NA-PR-02-02.

Orlikowski, L.B. 2003. Development and spread of *Phytophthora ramorum* in the presence of grapefruit extract. Journal of Plant Protection Research 43(3):213-218.

Ormsby, M. 2001. Sudden oak death - new disease identified in United States. Biosecurity #29:14.

Quarles, W. 2002. SOD - local problem or continental threat? Common Sense Pest Control Quart. 18(3):17-21.

Rizzo, D.M., M. Garbelotto, J.M. Davidson, G.W. Slaughter, & S.T. Koike. 2002. *Phytophthora ramorum* as the cause of extensive mortality of *Quercus* spp. and *Lithocarpus densiflorus* in California. Plant Disease 86(3):205-214.

Storer, A.J., K.E. Keirnan, N.K. Palkovsky, B.W. Hagen, G.W. Slaughter, N.M. Kelly, & P. Svihra. 2002. Diagnosis and monitoring of sudden oak death. Univ. of California, California Oak Mortality Task Force. Pest Alert #6 (3/2002). Pp.13.

Varela, C.P., J.P.M. Vazquez, & O.A. Casal. 2003. First report of *Phytophthora ramorum* on *Camelia japonica* in Spain. Plant Disease 87(11):1396.

Werres, S., R. Marwitz, W.A. Man in't Veld, A.W.A.M. de Cock, P.J.M. Bonants, M. de Weerdt, K. Themann, E. Ilieva, & R.P. Baayen. 2001. *Phytophthora ramorum*, a new pathogen on *Rhododendron* and *Viburnum*. Mycological Research 105(10):1155-1165.