

Curriculum Vitae

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**Dale R. Bergdahl, Professor Emeritus of Forest Pathology
Rubenstein School of Environment and Natural Resources
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EDUCATION

B.S. Degree, Forest Management (1966)
College of Forestry, University of Minnesota

M.S. Degree, Plant Pathology/Forest Pathology (1974)
Department of Plant Pathology (Minor: Genetics), University of Minnesota

Ph.D. Degree, Plant Pathology/Forest Pathology (1979)
Department of Plant Pathology (Minor: Entomology), University of Minnesota

PROFESSIONAL EMPLOYMENT/EXPERIENCE

Univ. of Minnesota Jr./Assistant Scientist (Forest Pathology) 1970-74, 74-77
Univ. of Vermont Assistant, Assoc. Prof. w/tenure, Professor 1977, 82, 89

Assigned Responsibilities (percent time allocation)

Academic year (current)	Teaching, Research, Service	(40/40/20)
Summer	Research	(100)

TEACHING RESPONSIBILITIES

Courses Taught

Forest Pathology	(For 134/234)	4 cr	1978-06
Forest Fire Behavior	(For 132)	3 cr	1978-03
Prescribed Burning Lab	(For 185 ST)	2 cr	1985-03
Forest Fire Ecology	(For 185 ST)	2 cr	1991-03
Silviculture	(For 123/223)	4 cr	1999-05
Special Topics	(For 185,285,385)	Var. cr	1978-06

Visiting Professorship

Visiting Professor of Forest Pathology	
University of Helsinki	1992
University of Oulu (Fulbright Senior Specialist)	2005

Recent Honors

Vermont For. Pest Workshop Dist. Serv. Award	1998
M. Caldwell (Student faculty appreciation award)	2001
VT Academy of Arts & Science (Named: Fellow)	2002
Fulbright Senior Specialist (5 years)	2005

RESEARCH/SERVICE RESPONSIBILITIES

Professional /Society Memberships

American Phytopathological Society
Society of American Foresters
N.E. Forest Pathology Workshop
IUFRO Rusts of Forest Trees
IUFRO Foliage, Shoot and Stem Diseases of Forest Trees
Vermont Forest Pest Workshop
NE Forest Pest Workshop
Vermont WoodNet
Vermont Wood Turners Association

Selected Journal Reviews

Forest Science	Fire Technology	Journal of Nematology
Phytopathology	Plant Disease	Can. J. For. Res.
Northern Woodlands	HortTechnology	Interciencia (Venezuela)
Cornell Univ. Press	Japanese J. For. Res.	So. African Journal

University Committees (Recent)

SNR Lands Committee (Chair)	1998-06
SNR Graduate Standards Committee	2002-04
SNR Curriculum Committee	2001-04
PSS Chair Search Committee	2002-04

Other Committees (Recent)

APS Exotic Pest On-Line Workshop Committee	2000-01
IUFRO Communications Committee (Pest Group)	2000-
GM Division SAF Education Committee	2001-05
Essex Tech Center Nat. Res Committee	2001-05
Vermont WoodNet Board of Directors	2002-

Other Selected Professional Activities

Vt Forest Pest Workshop (Chair)	1982-
National Ski Patrol (Volunteer)	1985-
Peat Risk Assessments Reviewed (11)	1991-
FORPATH list serv. Coordinator	1994-
FORENT list serv. Coordinator	1994-
VTFPEST list serv. Coordinator	1996-
APS Exotic Pest On-Line Workshop Committee	2000-01
IUFRO Communications Committee (Pest Group)	2000-
GM Division SAF Education Committee	2001-
Essex Tech Center Nat. Res Committee	2001-
Vermont WoodNet Steering Committee	2002-
NE Forest Path Workshop (Chair/Host)	2002
GMD SAF Summer Meeting Host (Exotic Pests)	2002

GMD SAF Legislative Breakfast (Poster Session)	2004
Competitive Research Proposals Reviewed (Many)	1978-
BNC Symposium (Co-organizer)	2006

Recent Invited Papers/Presentations (2000-05)

IUFRO Congress, Butternut Canker, Exotic pest section, Kuala Lumpur, Malaysia	2000
IUFRO Congress, PWN Threat, Exotic pest section, Kuala Lumpur, Malaysia	2000
SAF BN canker an exotic pest, Washington, D. C.	2000
NEFPW, Scleroderris canker, West Virginia	2000
European Pine Wilt Disease Symposium, Portugal	2001
IUFRO Rust of Forest Trees, China (2 papers)	2002
NED APS Symposium, Butternut Canker (October)	2004
South African Society Plant Pathology (<i>Leptographium</i>)	2005
Univ. of Oulu (concepts in Forest Pathology (5 lectures)	2005
Univ. of Livi, Ukraine (Concepts in Forest Path (lec/field)	2005
Univ of Mass. White pine blister rust (Inv Seminar)	2005
USDA For. Serv, Durham, NH (Inv. Seminars) BNC & Exotic <i>Leptographium</i> sp.	2005
NE Forest Pest Council (Inv. Pres.) Butternut Canker	2006

Recent Funded Research (Projects yrs 2000 +)

Insects and their relationships with tree diseases: emphasis on the potential insect vectors associated with the butternut canker fungus. Funding Agency: McIntire-Stennis Amount: Variable (salaries/operating) Duration: 1998-2002
Westford Woods Sustainable Forestry Project (forestry internship project) Funding Agency: Westford woods Amount: \$20,000+ Duration: 1 yr. 1999-2000
Fungi associated with <i>Tomicus</i> bark beetles Funding Agency: Vt. Dept. Agr./APHIS Amount: \$4,000 Duration: 1 year 2000
Initial assessment of fungal flora associated with early stages of decomposition of fallen hardwood debris following the ice storm of 1998. Funding Agency: Vermont Department of Forests, Parks and Recreation (Ecosystem Monitoring). Amount: \$11,000 Duration: 1999-2000
Initial assessment of fungal flora associated with early stages of decomposition of fallen hardwood debris following the ice storm of 1998. Funding Agency: Vermont Department of Forests, Parks and Recreation (Ecosystem Monitoring).

Amount: \$17,000
Duration: 2000-2001
Westford Woods Sustainable Forestry Project (forestry internship project)
Funding Agency: Westford woods
Amount: \$20,000+
Duration: 1 yr. 2000-2001
Fungal flora carried by *Tomicus peniperda*
Funding Agency: USDA FS S&PF
Amount: \$7,500
Duration: 1 yr. 2000-2001
Wendling Foundation sustainable forestry project
Funding Agency: Wendling Foundation
Amount: \$15,000
Duration: 2000-2002
Survival of conidiospores of the butternut canker fungus on potential
beetle vectors and infection of butternut curculio wounded seedling
tissues by conidiospores.
Funding agency: Northern Nut Growers Association
Amount: \$4,000
Duration: 2001-2003
Development of a hemlock woolly adelgid risk assessment model: A pilot
study for Vermont
Funding agency: Vermont Department of Forests, Parks
and Recreation/USDA Forest Service
Amount: \$20,000
Duration: 2001-2002
Westford Woods Sustainable Forestry Project (forestry internship project)
Funding Agency: Westford Woods
Amount: \$230,000+
Duration: Endowment created for Sustainable Forestry
Pest risk assessment modeling to aid in management of exotic species
posing threats to sustainable forest ecosystems.
Funding Agency: NESRC grant
Amount: \$85,000 (joint w/ J. Livingston)
Duration: 2002-2004.
Assessment of rate of progression of butternut canker disease
Funding Agency: USDA Forest Service
Amount: \$27,500 (year 1)
Duration: 2002-2003
Assessment of rate of progression of butternut canker disease
Funding Agency: USDA Forest Service
Amount: \$27,500 (year 2)
Duration: 2003-2004
Insects and their relationships with tree diseases: Emphasis on beetles that
vector the butternut canker fungus.
Funding Agency: Funding Agency: McIntire-Stennis

Amount: Variable (salaries and operating)
Duration: 3 years (ending 2005)
Forest Health Risk Mapping: A Focus on Hemlock Woolly Adelgid
Funding Agency: USDA Forest Service
Amount: \$61,142 (year 1) \$65,XXX.XX (year 2)
Duration: 2004-2006

Funding Agency: Vt. Dept. Agr.
Amount: \$10,000
Duration: 2005

Butternut Canker Survey
Funding Agency: USDA Forest Service
Amount: \$60,000+ annually
Duration: 2006-08

RECENT PUBLICATIONS (selected 2000-05) (**Total 130+**)

- Jacobs, K., M.J. Wingfield and D.R. Bergdahl. 2000. New *Leptographium* species from Indonesia and Eastern North America. *Mycoscience* 41:595-606.
- Bergdahl, D. R. and H. B. Teillon. 2000. White pine blister rust in Vermont: past, present, and concerns for the future. *HortTechnology* 10(3):537-541.
- Bergdahl, D. R. and S. Halik. 2001. Biology and ecology of pine wilt disease. Proceedings: Shade Tree Wilt Diseases: A national conference. American Phytopathological Society. St. Paul, Minnesota 229-238p.
- Bergdahl, D.R. and Halik, S. 2001. Butternut canker: An exotic threat to *Juglans cinerea*. XXI World Congress. Symposium on biological invasion of forest pests - agents of global change. Kuala Lumpur, Malaysia. Proceedings: IUFRO World Series 11:45-54.
- Bergdahl, D.R. and Halik, S. 2001. Pine wilt disease: A potential threat to coniferous forests around the world. XXI World Congress. Symposium on pine wilt disease. Kuala Lumpur, Malaysia. Proceedings: IUFRO World Series 11:201-207).
- Bergdahl, D. R. and Halik, S. 2001. Persistence of the pinewood nematode in asymptomatic scots pines. Proceedings: Pinewood Nematode Workshop, University of Evora, Evora, Portugal (August 20-22, 2001).
- Halik, S. and D. R. Bergdahl. 2002. Potential Beetle Vectors of *Sirococcus clavigignenti-juglandacearum* on Butternut. *Plant Disease* 86:521-527.
- Bergdahl, D.R., D.R. Tobi, L.M. Tritton, P.E. Sendak and J.R. Bove. 2002. Incidence of annual canker of sugar maple studied with the aid of a geographic information system. *North. J. Appl. For.* 19(2):73-79.
- Pfister, S. E., S. Halik, and D.R. Bergdahl. 2003. Temperature effects on urediniospore germination and development of uredinia of *Thekopsora minima*. Pages 44 – 51 in Proc. Second IUFRO Rusts of forest trees WP Conf., 19-23 Aug. 2002, Yangling, China.
- Pfister, S. E., S. Halik, and D.R. Bergdahl. 2003. *Thekopsora minima* urediniospore infection of *Rhododendron* White Lights. Pages 52 – 59 in Proc. Second IUFRO Rusts of forest trees WP Conf., 19-23 Aug. 2002, Yangling, China.
- Stewart, J.E., Halik, S., and Bergdahl, D.R. 2003. Viability of conidiospores of the butternut canker fungus on potential beetle vectors. Annual Report of the Northern Nut Growers Association 94.

- Bergdahl, D. R., K. Jacobs, S. Halik, M.J. Wingfield, B.D. Wingfield, K.A. Seifert, D.E. Bright. 2003. *Leptographium wingfieldii*, an exotic fungus, associated with the introduced bark beetle *Tomicus piniperda* in North America. Phytopathology Abst. (Publication no. P-2004-0001-NEA)
- Pfister, S. E., S. Halik, and D.R. Bergdahl. 2004. Effect of Temperature on *Thekopsora minima* Urediniospores and Uredinia. Plant Disease 88:359-362.
- Jacobs, K., .D.R. Bergdahl, S. Halik, M.J. Wingfield, K.A. Seifert, D.E. Bright and B.D. Wingfield. 2004. *Leptographium wingfieldii* introduced to North America and found associated with exotic *Tomicus piniperda* and native bark beetles. Mycological Research (In Press). .
- Jacobs, K, D.R. Bergdahl, S. Halik, M.J. Wingfield, B.D. Wingfield, K.A. Seifert and D.E. Bright. 2004. *Leptographium wingfieldii* associated with the introduced bark beetle *Tomicus piniperda* in North America. CBS Symposium Poster Abst.