

**RD Reeleder**  
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**Peer-reviewed research articles:**

1. Bruin, A.J., B.R. Ball Coelho, R.P. Beyaert, R.D. Reeleder, R.C. Roy, and B. Capell. 2010. High value crops in coarse-textured soil and nitrate leaching – How risky is it? *Canadian J. Plant Sci.* 90:515-528.
2. Roy, R.C., B.R. Ball Coelho, R.D. Reeleder, A.J. Bruin, R. Grohs, P. White, and B. Capell. 2008. Effect of planting bed shape, mulch and soil density on root yield and shape in North American ginseng (*Panax quinquefolius* L.) *Canadian J. Plant Sci.* 88:937-949.
3. Reeleder, R.D. 2007. *Rhexocercosporidium panacis* sp nov., a new anamorphic species causing rusted root of ginseng (*Panax quinquefolius*). *Mycologia* 99: 91-98.
4. Kernaghan, G, R.D. Reeleder and S.M.T. Hoke. 2007. Quantification of *Cylindrocarpon destructans* in soil by real-time PCR. *Plant Pathology* 56: 508-516.
5. Roy RC, Ball Coelho BR, Bruin AJ, Reeleder R, and Capell B. 2007. Scheduling drip irrigation for ginseng (*Panax quinquefolius* L.) grown under straw and bark mulch. *Canadian Journal of Plant Science* 87: 373-381.
6. Reeleder, R. D., Hoke S. M. T., Zhang Yun. 2006. Rusted root of ginseng (*Panax quinquefolius*) is caused by a species of *Rhexocercosporidium*. *Phytopathology* 96:1243-1254.
7. Reeleder, R. D., J. J. Miller, B. R. Ball Coelho, and R. C. Roy. 2006. Impacts of tillage, cover crop, and nitrogen on populations of earthworms, microarthropods, and soil fungi in a cultivated fragile soil. *Applied Soil Ecology* 31: 243-257.
8. Fiebig, A. E., J. T. A. Proctor, D. P. Murr, and R. D. Reeleder. 2005. Flower abscission - induction in North American ginseng with ethephon. *HortScience* 40: 138-141
9. Reeleder, R. D. 2004. A new root disease of goldenseal (*Hydrastis canadensis*) caused by *Cylindrocladium colhounii*. *Canadian J Plant Pathology*. 26: 596-600
10. Reeleder, R. D. 2004. The use of yeasts for biological control of the plant pathogen *Sclerotinia sclerotiorum*. *BioControl* 49: 583-594.
11. Reeleder, R. D., B. Capell, R. C. Roy, R. Grohs, and B. Zilkey. 2004. Suppressive effect of bark mulch on weeds and fungal diseases in ginseng (*Panax quinquefolius* L.). *Allelopathy Journal* 13: 211-232.
12. Seifert, K. A., C. R. McMullen, D. Yee, R. D. Reeleder, and K. F. Dobinson. 2003. Molecular differentiation and detection of ginseng-adapted isolates of the root rot fungus *Cylindrocarpon destructans*. *Phytopathology* 93: 1533-1542.
13. Roy, R. C., R. Grohs, and R. D. Reeleder. 2003. A method for the classification by shape of dried roots of ginseng (*Panax quinquefolius* L.). *Canadian J Plant Science* 83: 955-958.
14. Reeleder, R. D., B. Capell, L. Tomlinson, and W. Hickey. 2003. A method for the extraction of fungal DNA from multiple large soil samples. *Canadian J Plant Pathology* 25: 182-191.

15. Reeleder, R. D. 2003. The ginseng root pathogens *Cylindrocarpon destructans* and *Phytophthora cactorum* are not pathogenic to the medicinal herbs *Hydrastis canadensis* and *Actaea racemosa*. *Canadian J Plant Pathology* 25: 218-221.
16. Reeleder, R. D. 2003. Fungal plant pathogens and soil biodiversity. *Canadian J Soil Science* 83: 331-336.
17. Reeleder, R. D., and B. Capell. 2002. Impacts of different pentachloronitrobenzene (quintozene) use patterns on severity of damping-off of ginseng (*Panax quinquefolius*) caused by *Rhizoctonia solani*. *Journal of Ginseng Research* 26: 10-16.
18. Reeleder, R. D., R. Roy, and B. Capell. 2002. Seed and root rots of ginseng (*Panax quinquefolius*) caused by *Cylindrocarpon destructans* and *Fusarium* spp. *Journal of Ginseng Research* 26: 151-158.
19. Starratt, A. N., J. G. Hendel, and R. D. Reeleder. 2001. Leaves of North American ginseng, *Panax quinquefolius* L.: a renewable source of certain ginsenosides. *Canadian Journal of Plant Science* 81, no. 1: 65-6
20. Reeleder, R. D., B. Capell, J. Hendel, and A. and Starratt. 2000. Effects of planting density on yield and ginsenoside levels in *Panax quinquefolius*. *Journal of Herbs, Spices and Medicinal Plants* 7, no. 1: 65-76.
21. Reeleder, R. D. 1999. *Septoria* leaf spot of *Stevia rebaudiana* in Canada and methods for screening for resistance. *Journal of Phytopathology* 147: 605-13.
22. Capell, B., R. D. Reeleder, R. Grohs, and B. Zilkey. 1999. Evaluation of herbicides for management of weeds in cultivation of *Panax quinquefolius*. *Journal of Ginseng Research* 23, no. 3: 135-47.
23. Ziezold, M., R. D. Reeleder, R. Hall, and J. T. A. Proctor. 1998. Effect of drenching soil with benomyl, propiconazole, and fluazinam on incidence of disappearing root rot of ginseng. *Journal of Ginseng Research* 22, no. 4: 237-43.
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26. Gracia Garza, J. A., B. A. Bailey, T. C. Paulitz, R. D. Lumsden, R. D. Reeleder, and D. P. Roberts. 1997. Effect of sclerotial damage of *Sclerotinia sclerotiorum* on the mycoparasitic activity of *Trichoderma hamatum*. *Biocontrol Science and Technology* 7, no. 3: 401-13.
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28. Wharf, I., H. Lamparski, and R. Reeleder. 1997. Studies in aryltin chemistry .7. Spectroscopic and fungicidal studies of some p-substituted tri-aryltin acetates, oxides and hydroxides . *Applied Organometallic Chemistry* 11: 969-76.
29. Gracia-Garza, J. A., R. D. Reeleder, and T. C. Paulitz. 1997. Degradation of sclerotia of *Sclerotinia sclerotiorum* by fungus gnats (*Bradysia coprophila*) and the biocontrol fungi *Trichoderma* spp. *Soil Biology and Biochemistry* 29, no. 2: 123-29.
30. Zhou, Ting, R. D. Reeleder, and S. A. Sparace. 1996. Influence of nutrients on growth of

- Epicoccum nigrum*. *Canadian Journal of Microbiology* 42: 647-54.
31. Reeleder, R. D., S. Monette, D. VanHooren, and N. Sheidow. 1996. First report of target spot of tobacco caused by *Rhizoctonia solani* (Ag-3) in Canada. *Plant Disease* 80, no. 6: 712.
  32. Reeleder, R. D., S Monette, R. C. Roy, and W. Court. 1996. Dieback of evening primrose: characteristics of *Septoria oenotherae*, its interactions with *Botrytis cinerea*, and use of fungicides to manage disease. *Canadian Journal of Plant Pathology* 18: 261-68.
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  36. Reeleder, R. D., and R. A. Brammall. 1994. Pathogenicity of *Pythium* species, *Cylindrocarpon destructans*, and *Rhizoctonia solani* to ginseng seedlings in Ontario. *Canadian Journal of Plant Pathology* 16: 311-16.
  37. Reeleder R.D. 1994. Factors affecting infection of evening primrose (*Oenothera biennis*) by *Septoria oenotherae*. *Canadian Journal of Plant Pathology* 16: 13-20.
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  40. Zhou T., and Reeleder R.D. 1991. Colonization of Bean Flowers by *Epicoccum purpurascens*. *Phytopathology* 81: 774-78.
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  45. Morin L., Watson A.K., and Reeleder R.D. 1990. Production of conidia by *Phomopsis convolvulus*. *Canadian Journal of Microbiology* 36: 86-91.
  46. Morin L., Watson A.K., and Reeleder R.D. 1990. Effect of dew, inoculum density, and spray additives on infection of field bindweed by *Phomopsis convolvulus*. *Canadian Journal*

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49. Morin L., Watson A.K., and Reeleder R.D. 1989. Efficacy of *Phomopsis convolvulus* for control of field bindweed (*Convolvulus arvensis*). *Weed Science* 37: 830-835.
50. Anas O., Alli I., and Reeleder R.D. 1989. Inhibition of germination of sclerotia of *Sclerotinia sclerotiorum* by salivary gland secretions of *Bradysia coprophila*. *Soil Biology and Biochemistry* 21: 47-52.
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54. Anas O., and Reeleder R.D. 1988. Consumption of sclerotia of *Sclerotinia sclerotiorum* by larvae of *Bradysia*: effects of some soil parameters on feeding activity and interactions between larvae and *Trichoderma viride*. *Soil Biology and Biochemistry* 20: 619-24.
55. Sparace S.A., Reeleder R.D., and Khanizadeh S. 1987. Activity of the pyrenocines. *Canadian Journal of Microbiology* 33: 327-30.
56. Reeleder, RD, and F Charbonneau. 1987. Incidence and severity of diseases caused by *Botrytis cinerea*, *Pythium tracheiphilum*, and *Sclerotinia* spp. on lettuce in Quebec, 1985-1986. *Canadian Plant Disease Survey* 67:45-46.
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60. Reeleder R.D., and Charbonneau F. 1986. First report of *Sclerotinia minor* causing lettuce drop in Quebec. *Plant Disease* 70: 603.
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62. Reeleder R.D., and Hagedorn D.J. 1982. Colonization of Wisconsin Central Sands forest soils by *Pythium* species. *Canadian Journal of Plant Pathology* 4: 69-72.
63. Reeleder R.D. 1982. Fungi recovered from diseased roots and crowns of alfalfa in north central Alberta and the relationship between disease severity and soil nutrient levels.

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64. Reeleder R.D., and Hagedorn D.J. 1981. *Pythium* populations in Wisconsin bean fields. *Canadian Journal of Plant Pathology* 3: 90-93.
65. Reeleder R.D., and Hagedorn D.J. 1981. Inheritance of resistance to *Pythium myriotylum* hypocotyl rot in *Phaseolus vulgaris* L. *Plant Disease* 65: 427-29.

### **Chapters / Patents**

1. Huang, H. C., S. D. Bardin, G. J. Boland, R. D. Reeleder, and S. M. Boyetchko. 2002. *Sclerotinia sclerotiorum* (Libert) de Bary and *Sclerotinia minor* Jagger, *Sclerotinia* diseases (Sclerotiniaceae). *Biological Control Programmes in Canada, 1981-2000*. eds P. G. Mason, and J. T. Huber, pages 493-501; pp. 583. Oxon UK: CABI Publishing, CAB International .
2. Reeleder, RD. 1994. Damping-off, root rot, seed decay IN Ginseng (Chapter 20). *Diseases and Pests of Vegetable Diseases in Canada*. eds. Howard, R. J.; Garland J. A.; Seaman W. Lloyd, Canadian Phytopathological Society and Entomological Society of Canada.
3. Reeleder R.D. 1992. Alterations of fungal communities in integrated management of plant disease. *The Fungal Community: Its Organization and Role in the Ecosystem*. 2nd ed., eds. Carroll GC, and Wicklow DT , 869-84. New York : Marcel Dekker, Inc.
4. Ormeno-Nunez, J., R. D. Reeleder, and A. K. Watson. 1990. Fungal herbicides. *Fungal herbicides: A biological herbicide for the control of field bindweed (Convolvulus arvensis)* Canadian patent filed Feb 3 1987; European patent 88200545 granted Nov 6 1990; patents filed in US; South Africa (8810207) 88200545. 88200545 ed. McGill University. licensed to ICI.

### **Technical Research Publications / Factsheets**

1. Reeleder, R. D., and B. Capell. 2005. Efficacy of Quadris, BAS 500 (cabrio), and Senator 70 WP for the control of rhizoctonia damping-off in ginseng, 2002-2004. *2004 Pest Management Research Report - 2004 Growing Season. Expert Committee on Integrated Pest Management. May, 2005. Report No. 74* 43: 225-26.
2. Reeleder, R. D., and B. Capell. 2005. Effects of the fungicide seed treatments Dividend xl, Maxim xl, and Senator PSPT on emergence of ginseng; 2002-2004. *2004 Pest Management Research Report - 2004 Growing Season. Expert Committee on Integrated Pest Management. May, 2005. Report No. 75* 43: 227-28.
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4. Reeleder, R. D., and B. Capell. 2003. Efficacy of propiconazole for management of rhizoctonia damping-off in ginseng, 1997-2001. *Pest Management Research Report 2002, Agriculture and Agri-Food Canada.* 41: #117.

5. Reeleder, R. D. and B. Capell. 2003. Efficacy of propiconazole for control of cylindrocarpon root rot in ginseng, 1997-2001. *Pest Management Research Report 2002, Agriculture and Agri-Food Canada*. 41: #118.
6. Reeleder, R. D., and B. Capell. 2002. Comparison of fungicides for management of Rhizoctonia damping-off in ginseng, 1999-2001. PMR Report #97. *Pest Management Research Report 2001*.
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8. ----- . 2001. Comparison of fungicides for management of rhizoctonia damping-off in ginseng, 1998-2000. *Fungicide and Nematicide Tests* 56: M3.
9. Reeleder, R. D., and B. Capell. 2001. Efficacy of Epic, compost, and quintozene for control of damping-off in ginseng, 1996-1998. *Biological and Cultural Tests for Control of Plant Diseases* 16: V90.
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11. ----- . 2001. Effects of seed treatments on stand and root weight of ginseng, 1996-1998. *Fungicide and Nematicide Tests* 56.
12. Reeleder, R.D., and Fisher, P. 1995. *Rhizoctonia Disease of Ginseng*. Toronto ON Canada: Ontario Ministry of Agriculture, Food, and Rural Affairs. 2 pp. 6 Fig .
13. Reeleder, R.D., and P. Fisher. 1995. *Diseases of Ginseng*. Toronto ON Canada: Ontario Ministry of Agriculture, Food, and Rural Affairs. 4 pp. 36 Fig .
14. Zilkey, B. F., R. D. Reeleder, R. Beyaert, and R. A. A. Brammall. 1992. Alternative Enterprise Initiative project # 01684-7-0279/01-SE. Development of improved production technology for ginseng adaptation to southern Ontario soils (Final report).
15. Reeleder R.D., Brown D.A., Beyaert R., Capell B., Zilkey B., and Brammall R.A.A. 1992. Evaluation of fungicides for control of Alternaria blight in second-year ginseng, 1991. *Fungicide and Nematicide Tests* 47: 331.
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18. McDonald, J., I. A. MacLachy, N. W. Sheidow, M. C. Watson, and R. D. Reeleder. 1991. Tobacco veinal necrosis strain of Potato Virus Y (PVYN). 2 pages, 5 Fig. Toronto ON: Ontario Ministry of Agriculture, Food and Rural Affairs.