

## Timothy D. Murray Older Publications

### Research articles

- Campbell, K.G., R.E. Allan, J. Anderson, L.M. Little, J. Pritchett, N. Blake, A. Burke, C. Hoagland, C. Walker, X. Chen, C. Morris, S. Guy, T. Murray, D. See, D. Engle, H. Wetzel, D. Wood. 2012. Registration of “Cara” Soft White Winter Club Wheat. [Journal of Plant Registration 7:81-88 \(pdf\)](#), doi: 10.3198/jpr2012.01.0005crc.
- Sheng, H. and T.D. Murray. 2012. Identifying new sources of resistance to eyespot of wheat in *Aegilops longissima*. [Plant Disease 97:346-353 \(pdf\)](#), doi: 10.1094/PDIS-12-11-1048-RE.
- Sheng, H., D.R. See, and T.D. Murray. 2012. Mapping QTL for resistance to eyespot of wheat in *Aegilops longissima*. [Theoretical and Applied Genetics 125:355-366 \(pdf\)](#), doi: 10.1007/s00122-012-1838-2.
- Li, H., L. Cui, H. Li, X. Wang, T.D. Murray, R.L. Conner, L. Wang, X. Gao, Y. Sun, S. Sun, and W. Tang. 2012. Effective resources of wheat and wheat-*Thinopyrum* derivatives for resistance to *Heterodera filipjevi* in China. [Crop Science 52:1209-1217 \(pdf\)](#), doi: 10.2135/cropsci2011.11.0591.
- Esvelt Klos, K.L.E., L.M. Vásquez-Siller, H.C. Wetzel III, and T.D. Murray. 2012. PCR-based detection of *Cephalosporium gramineum* in winter wheat. [Plant Disease 96:437-442 \(pdf\)](#), doi: 10.1094/PDIS-07-11-0568.
- Arterburn M., A. Kleinhofs, T. Murray and S. Jones. 2010. Polymorphic nuclear gene sequences indicate a novel genome donor in the polyploid genus *Thinopyrum*. [Hereditas 148:8-27 \(pdf\)](#).
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- Jones, S.S., S.R. Lyon, K.A. Balow, M.A. Gollnick, K.M. Murphy, J. Kuehner, X.M. Chen, T.D. Murray, D.A. Engle, and K.G. Campbell. 2010. [Registration of ‘Xerpha’ wheat \(pdf\)](#). Journal of Plant Registrations 4:137-140 doi: 10.3198/jpr2006.05.0281crc.
- Murray, T.D., H. Pappu, R.W. Smiley. 2009. [First report of Soilborne wheat mosaic virus in Washington State \(pdf\)](#). Plant Health Progress doi:10.1094/PHP-2009-1204-01-BR. Murray\_PHP\_09\_SBWMV
- MacDonald, J., C. Allen, D. Gadoury, W. Jacobi, S. Kelemu, J. Moyer, T. Murray, K. Ong, C. Pearson, J. Sherwood, and A. Vidaver. 2009. [Education in plant pathology: Present status and future challenges \(pdf\)](#). Plant Disease 93:1238-1251.
- Smith, K. M. Draper, K. Simmons, R. Bennett, P. Hebbbar, M. Royer, T. Murray. 2009. [Management strategies for new wheat stem rust strains in the U.S. \(pdf\)](#) Outlooks on Pest Management 20:148-52.
- Nishio, Z., N. Iriki, K. Takata, M. Ito, T. Tabiki, and T.D. Murray. 2008. [Influence of cold-hardening and soil matric potential on resistance to speckled snow mold in wheat \(pdf\)](#). Plant Disease 92:1021-1025.

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- Li, H. J., M. Arterburn, S.S. Jones, and T.D. Murray. 2005. [Resistance to eyespot of wheat, caused by \*Tapesia yellundae\*, derived from \*Thinopyrum intermedium\* homoeologous group 4 chromosomes \(pdf\)](#). Theoretical and Applied Genetics 111:932-940 (DOI: 10.1007/s00122-005-0025-0).
- Li, H. J., M. Arterburn, S. S. Jones, and T. D. Murray. 2004. [A new source of resistance to \*Tapesia yellundae\* associated with a homoeologous group 4 chromosome in \*Thinopyrum ponticum\* \(pdf\)](#). Phytopathology 94:932-937.
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- Douhan, G. D., T. D. Murray, and P. S. Dyer. 2003. [Population genetic structure of \*Tapesia acuformis\* in Washington State \(pdf\)](#). Phytopathology 93:650-656.
- Peever, T. L. and T. D. Murray. 2003. [First report of tan spot of wheat in the U.S. Pacific Northwest caused by \*Pyrenophora tritici-repentis\* \(pdf\)](#). Plant Disease 87:203 (published on-line as D-2002-1202-02N).
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- Scheinost, P., D. Lammer, X. Cai, T. Murray, and S. Jones. 2001. [Perennial Wheat: A sustainable cropping system for the Pacific Northwest \(pdf\)](#). Am. J. Alternative Agriculture 16:146-150.
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## Reviews

- Murray, T., Milus, G., DeWolf, E., Dill-Macky, R., Steffenson, B., Wegulo, S., Bergstrom, G., Sorrells, M., McMullen, M., Paul, P., Hunger, R., Mundt, C., Isard, S., Stein, J., Baker, H., Bulluck, R., Divan, C., Engle, J., Hebbbar, P., Bowden, B., Carson, M., Chen, X., Jin, Y., Marshall, D., Smith, K., and Szabo, L. 2010. Recovery plan for stem rust of wheat caused by *Puccinia graminis* f. sp. *tritici* Ug99. National Plant Disease Recovery System, a cooperative project of The American Phytopathological Society and The United States Department of Agriculture, posted at <http://www.ars.usda.gov/research/npdrs>.
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### **Technical Reports**

- Flowers, M., P. Hamm, A.H. Carter, and T.D. Murray. 2012. Reaction of winter wheat cultivars and breeding lines to Soilborne wheat mosaic, 2011. [Plant Disease Management Reports 6:CF025](#).
- Wetzel III, H.C. and T.D. Murray. 2012. Reaction of winter wheat cultivars and breeding lines to Cephalosporium stripe, 2011. [Plant Disease Management Reports 6:CF022](#).
- Wetzel III, H.C. and T.D. Murray. 2012. Reaction of winter wheat cultivars and breeding lines to eyespot, 2011. [Plant Disease Management Reports 6:CF021](#).
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- Wetzel III, H.C. and T.D. Murray. 2011. [Evaluation of fungicides to control eyespot in winter wheat, 2010 \(pdf\)](#). Plant Disease Management Reports, 5:CF015.
- Wetzel III, H.C. and T.D. Murray. 2011. [Reaction of winter wheat cultivars and breeding lines to eyespot, 2010 \(pdf\)](#). Plant Disease Management Reports, 5:CF014.
- Wetzel III, H.C., J.C. Evans, K. Esvelt-Klos and T.D. Murray. 2010. [Reaction of winter wheat cultivars and breeding lines to Cephalosporium stripe, 2009 \(pdf\)](#). Plant Disease Management Reports 4:CF027.
- Wetzel III, H.C., J.C. Evans, and T.D. Murray. 2010. [Reaction of winter wheat cultivars and breeding lines to eyespot, 2009 \(pdf\)](#). Plant Disease Management Reports 4:CF028.
- Wetzel III, H.C. and T.D. Murray. 2010. [Evaluation of fungicides to control eyespot in winter wheat, 2009 \(pdf\)](#). Plant Disease Management Reports 4:CF041.
- Wetzel III, H.C., K. Esvelt Klos, and T.D. Murray. 2009. [Reaction of winter wheat cultivars and breeding lines to Cephalosporium stripe, 2008 \(pdf\)](#). Plant Disease Management Reports 3:CF042.
- Wetzel III, H.C., K. Esvelt Klos, and T.D. Murray. 2009. [Reaction of winter wheat cultivars and breeding lines to eyespot, 2008 \(pdf\)](#).

### **Abstracts**

- *Robinson, M.D. and T.D. Murray. 2012. Genetic variation of Wheat streak mosaic virus in the United States Pacific Northwest. Canadian Phytopathological Society-Saskatchewan Regional Group annual meeting, November 5-7, 2012, Lloydminster, Saskatchewan, Canada.*
- *Sheng, H., D.R. See, and T.D. Murray. 2012. Mapping Resistance Genes for *Oculimacula acufiformis* in *Aegilops longissima*. Western Crop Science Society annual meeting, Pullman, WA.*
- *Esvelt Klos, Kathy, H. Wetzel III, and T.D. Murray. 2012. Linkage analysis detects the eyespot resistance gene *Pch2* on Cappelle-Desprez chromosome 7A. Western Society of Crop Science annual meeting, Pullman, WA.*

- Murray, T. and D. Gaudet. 2012. Global change in winter climate and agricultural sustainability. Intl. Conference on Plant and Microbe Adaptation to Cold. Sapporo, Japan, page 12.
- Murray, T., K. Esvelt-Klos, H. Wetzel III and Z. Nishio. 2012. Marker-assisted selection for resistance to speckled snow mold of wheat. Intl. Conference on Plant and Microbe Adaptation to Cold. Sapporo, Japan, page 37.
- Nishio, Z., M. Ito, T. Tabiki, K. Nagasawa and T. Murray. 2012. A new genetic source for *Wheat yellow mosaic virus* resistance. Proc. Intl. Conference on Plant and Microbe Adaptation to Cold. Sapporo, Japan, page 92.
- Murray, T.D. and M. Milgroom. 2012. Epidemiological bases of variety mixtures for reduction of pest and disease damage. Intl. Symposium on Damage, Diversity and Genetic Vulnerability: The Role of Crop Genetic Diversity in Agricultural Production Systems. Rabat, Morocco. Pages 323-325.
- Murray, T.D., Chen, D. Roberts and Y. Jin. 2011. Role of barberries in stem rust epidemics and race diversity in Washington and Idaho U.S.A., 2007-2009. Proc. Borlaug Global Rust Initiative Technical Workshop, page 166, St. Paul, MN.
- Sheng, H. and T.D. Murray. 2011. QTL mapping of resistance genes for eyespot of wheat in *Aegilops longissima*. *Phytopathology* 101(suppl.):S165.
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- Murray, T.D. 2009. Winter Climate Change and interaction with Diseases of Wheat in the Pacific Northwest U.S. Program and Abstracts, Northwest Scientific Association Annual Meeting, pages 47-48 (abstr.).
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## **Book Chapters**

- Murray, T.D. 2010. Diseases caused by fungi and fungal-like organisms. Pages 15-16 in: Compendium of Wheat Diseases and Insects, W.W. Bockus, R.L. Bowden, R.M. Hunger, T.D. Murray, R.W. Smiley, and W. Morrill, eds., Third Edition. APS Press, Minneapolis.
- Murray, T.D. 2010. Eyespot (Strawbreaker foot rot). Pages 32-34 in: Compendium of Wheat Diseases and Insects, W.W. Bockus, R.L. Bowden, R.M. Hunger, T.D. Murray, R.W. Smiley, and W. Morrill, eds., Third Edition. APS Press, Minneapolis.
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## **Extension Publications**

- Murray, T., H. Wetzel III, K. Esvelt-Klos, H. Sheng, and D. Vera. 2012. Eyespot, Cephalosporium Stripe, Snow Mold, and Soilborne Wheat Mosaic Diseases of Winter Wheat. Washington State University, Dept. of Crop and Soil Sciences Technical Report 12-1. De Wolf, E., T. Murray, P. Paul, L. Osborne, and A. Tenuta. 2011. [Identification and Management of Stem Rust on Wheat and Barley \(pdf\)](#). USDA-CREES Extension IPM 2009-41533-05331.
- De Wolf, E., T. Murray, P. Paul, L. Osborne, A. Tenuta, and M. Stadlander. 2010. [Identifying Rust Diseases of Wheat and Barley \(pdf\)](#). USDA-CREES Extension IPM 2009-41533-05331.
- T.D. Murray. 2006. [Strawbreaker Foot rot or Eyespot of Wheat \(pdf\)](#). WSU Extension Bulletin.