

Publications of William F. Schillinger

Books

Zobeck, T.M, and W.F. Schillinger (eds.). 2010. Soil and Water Conservation Advances in the United States. Soil Science Society of America Special Publication 60, Madison, WI. 301 pp.

Book Chapters

Schillinger, W.F., R.H. McKenzie, and D.L. Tanaka. 2011. Barley production in North America. p. 241-251. *In* S.E. Ullrich (ed.) Barley: Improvement, Production, and Uses. Blackwell Publishing Ltd., Ames, Iowa.

Schillinger, W.F., R.I. Papendick, and D.K. McCool. 2010. Soil and water challenges for Pacific Northwest agriculture. p. 47-80. *In* T.M. Zobeck and W.F. Schillinger (eds.) Soil and Water Conservation Advances in the United States. Soil Science Society of America Special Publication 60, Madison, WI.

Pan, W., W. Schillinger, D. Huggins, R. Koenig, and J. Burns. 2007. Fifty years of predicting wheat nitrogen requirements in the Pacific Northwest USA. Chapter 10:1-6. *In* T. Bruulsema (Ed.) Managing Crop Nitrogen for Weather. International Plant Nutrition Institute, Norcross, GA.

Schillinger, W.F., R.I. Papendick, S.O. Guy, P.E. Rasmussen, and C. van Kessel. 2006. Dryland cropping in the western United States. p. 365-393. *In* G.A. Peterson, P.W. Unger, and W.A. Payne (eds.) Dryland Agriculture, 2nd ed. Agronomy Monograph no 23. ASA, CSSA, and SSSA, Madison, WI.

Kennedy, A.C., T.L. Stubbs, and W.F. Schillinger. 2004. Soil and crop management effects on soil microbiology. p. 295-326. *In* F. Magdoff and R.R. Weil (eds.) Soil Organic Matter in Sustainable Agriculture. CRC Press, Boca Raton, FL.

Stubbs, T.L., A.C. Kennedy, and W.F. Schillinger. 2004. Soil ecosystem changes during the transition to no-till cropping. p. 105-135. *In* D. Clements and A. Shrestha (eds.) New Dimensions in Agroecology. Hawthorn Press, New York, NY.

Refereed Journal Articles

Long, D.S., F.L. Young, W.F. Schillinger, C.L. Reardon, J.D. Williams, B.L. Allen, W.L. Pan, and D.J. Wysocki. 2016. Ongoing development of dryland oilseed production systems in northwestern region of the United States. *BioEnergy Research* 9:412-429.

Schillinger, W.F. 2016. Seven rainfed wheat rotation systems in a drought-prone Mediterranean climate. *Field Crops Research* 191:123-130.

Schillinger, W.F. and S.J. Werner. 2016. Horned lark damage to pre-emerged canola seedlings. *Industrial Crops & Products* 89:465-467.

Sharratt, B. and W.F. Schillinger. 2016. Soil characteristics and wind erosion potential of wheat-oilseed-fallow cropping systems. *Soil Science Society of America Journal* 80:704-710.

Schillinger, W.F., and D.L. Young. 2014. Best management practices for summer fallow in the world's driest rainfed wheat region. *Soil Science Society of America Journal* 78:1707-1715.

Schillinger, W.F., and S.B. Wuest. 2014. Wide row spacing for deep-furrow planting of winter wheat. *Field Crops Research* 168:57-64.

Schillinger, W.F., and T.C. Paulitz. 2014. Natural suppression of *Rhizoctonia* bare patch in a long-

- term no-till cropping systems experiment. *Plant Disease* 98:389-394.
- Sharratt, B.S., and W.F. Schillinger. 2014. Windblown dust potential from oilseed cropping systems in the Pacific Northwest United States. *Agronomy Journal* 106:1147-1152.
- Guy, S.O., D.J. Wysocki, W.F. Schillinger, T.G. Chastain, R.S. Karow, K. Garland-Campbell, and I.C. Burke. 2014. Camelina: Adaptation and performance of genotypes. *Field Crops Research* 155:224-232.
- Mohan, A., W.F. Schillinger, and K.S. Gill. 2013. Wheat seedling emergence from deep planting depths and its relationship with coleoptile length. *PLoS ONE* 8(9): e73314.
- Singh, P., H. Abdou, M. Flury, W.F. Schillinger, and T. Knappenberger. 2013. Critical water potentials for germination of wheat cultivars in the dryland Northwest USA. *Seed Science Research* 23:189-198.
- Wysocki, D.J., T.G. Chastain, W.F. Schillinger, S.O. Guy, and R.S. Karow. 2013. Camelina: Seed yield response to applied nitrogen and sulfur. *Field Crops Research* 145:60-66.
- Yin, C., S. H. Hulbert, K. L. Schroeder, O. Mavrodi, D. Mavrodi, A. Dhingra, W.F. Schillinger, and T. C. Paulitz. 2013. Role of bacterial communities in the natural suppression of *Rhizoctonia* bare patch of wheat (*Triticum aestivum* L.). *Applied and Environmental Microbiology* 79:7428-7438.
- Young, D.L., and W.F. Schillinger. 2012. Wheat farmers adopt the undercutter fallow method to reduce wind erosion and sustain profitability. *Soil & Tillage Research* 124:240-244.
- Singh, P., B. Sharratt, and W.F. Schillinger. 2012. Wind erosion and PM10 emission affected by tillage systems in the world's driest rainfed wheat region. *Soil & Tillage Research* 124:219-225.
- Schillinger, W.F., D.J. Wysocki, T.G. Chastain, S.O. Guy, and R.S. Karow. 2012. Camelina: Planting date and method effects on stand establishment and seed yield. *Field Crops Research* 130:138-144.
- Singh, P., Flury, M., and W.F. Schillinger. 2011. Predicting seed-zone water content for summer fallow in the Inland Pacific Northwest, USA. *Soil & Tillage Research* 115-116:94-104.
- Wuest, S.B., and W.F. Schillinger. 2011. Evaporation from high residue no-till versus tilled fallow in a dry summer climate. *Soil Science Society of America Journal* 75:1513-1519.
- Schillinger, W.F. 2011. Rainfall impacts winter wheat seedling emergence from deep planting depths. *Agronomy Journal* 103:730-734.
- Schillinger, W.F. 2011. Practical lessons for successful long-term cropping systems experiments. *Renewable Agriculture and Food Systems* 26:1-3.
- Lutcher, L.K., W.F. Schillinger, N.W. Christensen, S.B. Wuest, and D.J. Wysocki. 2010. Phosphorus fertilization of late-planted winter wheat into no-till fallow. *Agronomy Journal* 102:868-874.
- Paulitz, T.C., K.L. Schroeder, and W.F. Schillinger. 2010. Soilborne pathogens of cereals in an irrigated cropping system: Effects of tillage, residue management, and crop rotation. *Plant Disease* 94:61-68.
- Schillinger, W.F., D.L. Young, A.C. Kennedy, and T.C. Paulitz. 2010. Diverse no-till irrigated crop rotations instead of burning and plowing continuous wheat. *Field Crops Research* 115:39-49.
- Al-Mulla, Y., J.Q. Wu, P. Singh, M. Flury, W.F. Schillinger, D.R. Huggins, and C.O. Stockle. 2009.

- Soil water and temperature in chemical fallow and reduced-tillage fallow in a Mediterranean climate. *Applied Engineering in Agriculture* 25:45-54.
- Flury, M., J.B. Mathison, J.Q. Wu, W.F. Schillinger, and C.O. Stockle. 2009. Water vapor diffusion through wheat straw residue. *Soil Science Society of America Journal* 73:37-45.
- Schillinger, W.F., S.E. Schofstoll, and J.R. Alldredge. 2008. Available water and wheat grain yield relations in a Mediterranean climate. *Field Crops Research* 109:45-49.
- Wuest, S.B., and W.F. Schillinger. 2008. Small-increment electric soil sampler. *Soil Science Society of America Journal* 72:1554-1556.
- Schillinger, W.F., and R.I. Papendick. 2008. Then and now: 125 years of dryland wheat farming in the Inland Pacific Northwest. *Agronomy Journal* 100(Suppl.):S166-S182.
- Schillinger, W.F., T.A. Smith, and H.L. Schafer. 2008. Chaff and straw spreader for a plot combine. *Agronomy Journal* 100:398-399.
- Schillinger, W.F. 2007. Ecology and control of Russian thistle (*Salsola iberica*) after spring wheat harvest. *Weed Science* 55:381-385.
- Nail, E.L., D.L. Young, and W.F. Schillinger. 2007. Government subsidies and crop insurance effects on the economics of conservation farming systems in eastern Washington. *Agronomy Journal* 99:614-620.
- Nail, E.L., D.L. Young, and W.F. Schillinger. 2007. Diesel and glyphosate price changes benefit the economics of conservation tillage versus traditional tillage. *Soil & Tillage Research* 94:321-327.
- Schillinger, W.F., A.C. Kennedy, and D.L. Young. 2007. Eight years of annual no-till cropping in Washington's winter wheat – summer fallow region. *Agriculture, Ecosystems & Environment* 120:345-358.
- Jones, S.S., S.R. Lyon, K.A. Balow, M.A. Gollnick, K.M. Murphy, T.D. Murray, X.M. Chen, K. G. Campbell, J.W. Burns, W.F. Schillinger, P.E. Reisenauer, and B.J. Goates. 2007. Registration of 'MDM' Wheat. *Journal of Plant Registrations* 1:104-106.
- Jones, S.S., S.R. Lyon, K.A. Balow, M.A. Gollnick, T.D. Murray, X.M. Chen, C.F. Morris, K. G. Campbell, J.W. Burns, W.F. Schillinger, P.E. Reisenauer, and B.J. Goates. 2007. Registration of 'Bauermeister' Wheat. *Crop Science* 47:430-431.
- Schillinger, W.F., and T.C. Paulitz. 2006. Reduction of *Rhizoctonia* bare patch in wheat with barley rotations. *Plant Disease* 90:302-306.
- Kennedy, A.C., and W.F. Schillinger. 2006. Soil quality and water intake in traditional-till vs. no-till paired farms in Washington's Palouse region. *Soil Science Society of America Journal* 70:940-949.
- Williams, J.D., S.B. Wuest, W.F. Schillinger, and H.T. Gollany. 2006. Rotary subsoiling newly planted winter wheat fields to improve infiltration in frozen soil. *Soil & Tillage Research* 86:141-151.
- Paulitz, T.C., P.A. Okubara, and W.F. Schillinger. 2006. First report of damping-off of canola caused by *Rhizoctonia solani* AG 2-1 in Washington State. *Plant Disease* 90:829.
- Jones, S.S., S.R. Lyon, K.A. Balow, T.D. Murray, X.M. Chen, B.P. Carter, C.R. Morris, K.G. Campbell, J.W. Burns, W.F. Schillinger, P.E. Reisenauer, and B.J. Goates. 2006. Registration of 'Masami' wheat. *Crop Science* 46:476-477.
- Schillinger, W.F. 2005. Tillage method and sowing rate relations for dryland spring wheat,

- barley, and oat. *Crop Science* 45:2636-2643.
- Schillinger, W.F., and D.L. Young. 2004. Cropping systems research in the world's driest rainfed wheat region. *Agronomy Journal* 96:1182-1187.
- Juergens, L.A., D.L. Young, W.F. Schillinger, and H.R. Hinman. 2004. Economics of alternative no-till spring crop rotations in Washington's wheat-fallow region. *Agronomy Journal* 96:154-158.
- Giri, G.S., and W.F. Schillinger. 2003. Seed priming winter wheat for germination, emergence, and yield. *Crop Science* 43:2135-2141.
- Cook, R.J., W.F. Schillinger, and N.W. Christensen. 2002. Rhizoctonia root rot and wheat take-all in diverse direct-seed spring cropping systems. *Canadian Journal of Plant Pathology* 24:349-358.
- Janosky, J.S., D.L. Young, and W.F. Schillinger. 2002. Economics of conservation tillage in a wheat-fallow rotation. *Agronomy Journal* 94:527-531.
- Schillinger, W.F. 2001. Minimum and delayed conservation tillage for wheat-fallow farming. *Soil Science Society of America Journal* 65:1203-1209.
- Donaldson, E., W.F. Schillinger, and S.M. Dofing. 2001. Straw production and grain yield relationships in winter wheat. *Crop Science* 41:100-106.
- Schillinger, W.F., and F.L. Young. 2000. Soil water use and growth of Russian thistle after wheat harvest. *Agronomy Journal* 92:167-172.
- Schillinger, W.F., R.J. Cook, and R.I. Papendick. 1999. Increased cropping intensity for dryland with no-till barley. *Agronomy Journal* 91:744-752.
- Schillinger, W. F., R.I. Papendick, R.J. Veseth, and F.L. Young. 1999. Russian thistle skeletons provide residue in wheat-fallow cropping systems. *Journal of Soil and Water Conservation* 54:506-509.
- Schillinger, W.F., E. Donaldson, R.E. Allan, and S.S. Jones. 1998. Winter wheat seedling emergence from deep sowing depths. *Agronomy Journal* 90:582-586.
- Schillinger, W.F., and R.I. Papendick. 1997. Tillage mulch depth effects during fallow on wheat production and wind erosion control factors. *Soil Science Society of America Journal* 61:871-876.
- Schillinger, W.F., and D.E. Wilkins. 1997. Deep ripping fall-planted wheat after fallow to improve infiltration and reduce erosion. *Journal of Soil and Water Conservation* 52:198-202.
- Schillinger, W.F. 1996. Packing summer fallow in the Pacific Northwest: Agronomic benefits and environmental concerns. *Agronomy Journal* 88:9-13.
- Schillinger, W.F., and F.E. Bolton. 1996. Packing summer fallow in the Pacific Northwest: Seed zone water retention. *Journal of Soil and Water Conservation* 51:62-66.
- Schillinger, W.F., and F.E. Bolton. 1993. Fallow water storage in tilled vs. untilled soils in the Pacific Northwest. *Journal of Production Agriculture* 6:267-269.

Other Publications

- University extension bulletins – 36
 Conference proceedings papers – 33
 Abstracts for professional meetings – 70+
 Popular publications – 60+

