William F. Schillinger

Scientist and Extension Specialist
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Education

Ph.D. Crop Science, Oregon State University, 1992
M.S. Agronomy, University of California at Davis, 1983
B.A. Communications, Eastern Washington University, 1974

Research Interests

Cropping systems research to control wind erosion in low-precipitation dryland areas. This includes increasing cropping intensity (i.e. reduce fallow), conservation tillage, direct seeding, weed ecology, and soil water relations.

Recent Wind Erosion/Air Quality Related Publications

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.

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., and W.F. Schillinger. 2006. Soil quality and water intake in traditional-till vs. no-till paired farms. *Soil Science Society of America Journal* 70:940-949.

Schillinger, W.F., and T.C. Paulitz. 2006. Reduction of Rhizoctonia bare patch in wheat with barley rotations. *Plant Disease* 90:302-306.

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.

Schillinger, W.F. 2005. Tillage method and sowing rate relations for dryland spring wheat, barley, and oat. *Crop Science* 45:2636-2643.

Technical Support Staff

Tim Smith, WSU Agricultural Research Technician III (1.0 FTE)
Steve Schofstoll, WSU Technical Assistant III (0.5 FTE)
Cindy Warriner, WSU Technical Assistant II (0.5 FTE)