

Ann C. Kennedy

**Soil Scientist
USDA-ARS
Washington State University
Pullman, WA 99164-6421**

e-mail: akennedv@wsu.edu



Education

Ph.D. Soil Microbiology, North Carolina State University, Raleigh, NC, 1985
M.S. Soil Fertility, University of Missouri, Columbia, MO, 1979
B.A. Biology, University of Missouri, St. Louis, MO, 1976

Research Interests

Soil microbial ecology; Biological control of weeds; Microbial diversity; Rhizosphere ecology and dynamics. Dr. Kennedy is investigating the role of soil microorganisms in sustainable agriculture. Her air quality research is directed at identification of displaced soil particles using biomarkers.

Recent Wind Erosion/Air Quality Related Publications

- Cochran, R.L., H.P. Collins, A.C. Kennedy, and D.F. Bezdicek. 2007. Effect of land conversion on select soil microbial populations and activities in a semi-arid shrub-steppe ecosystem. *Biology and Fertility of Soils*. 43:479-489.
- Ibekwe, A. M., Kennedy, A. C., Halvorson, J. J. and Yang, C-H. 2007. Characterization of developing microbial communities in Mount St. Helens pyroclastic substrate. *Soil Biology Biochemistry* 30:2496-2507.
- Schillinger, W. L., Kennedy, A. C. and D. L. Young. 2007. Eight years of annual no-till cropping in Washington's winter wheat - summer fallow region. *Agric. Ecosys. Environ.* 120: 345-358.
- Banowetz, G.M., G.W. Whittaker, K.P. Dierksen, M.D. Azevedo, A.C. Kennedy, S.M. Griffith and J.J. Steiner. 2006. Fatty acid methyl ester analysis to identify sources of soil in surface water. *Journal of Environmental Quality* 35:133-140.
- Kennedy, A.C., T.L. Stubbs and J.C. Hansen. 2006. This land is your land. *Science and Children* 44:22-26.
- Kennedy, A. C. and W. F. Schillinger. 2006. Soil quality and water intake in conventional-till vs. no-till paired farms in Washington's Palouse Region. *Soil Sci. Soc. Amer. J.* 70:940-949.
- Kennedy, A. C. and T. L. Stubbs. 2006. Soil microbial communities as indicators of soil health. *Annals of Arid Zone* 45:287-308.
- 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.

Technical Support Staff

Tami L. Stubbs, Associate in Research, WSU
Jeremy Hansen, Biological Technician, USDA-ARS