

2003 Publications:

1116. Allaire, S.E., S.R. Yates, F. Ernst and **S.K. Papiernik**. 2003. Gas-phase sorption-desorption of propargyl bromide and 1,3-dichloropropene on plastic materials. *J. Environ. Qual.* 32:1915-1921. [PDF: 87 K](#).
1126. **Amundson, G., F. Forcella** and **R. Gesch**. 2003. Herbicide tolerance in cuphea: A new oilseed crop. *North Central Weed Sci. Soc.* 58:8. [PDF: 60 K](#).
1072. Anderson, J.V., D.P. Horvath and **R.W. Gesch**. 2003. Effects of photoperiod on whole-plant carbohydrate partitioning, crown bud development, and gene expression in leafy spurge (*Euphorbia esula*, L.). *Plant Biology*. p. 95.
1051. **Archer, D.** 2003. Simulation modeling to predict the adoption and economic value of a crop technology innovation. *J. MN Acad. Sci.* 67(1):28. [PDF: 8,816 K](#)
1125. **Archer, D.W., F. Forcella**, B. Durgan and **J. Eklund**. 2003. Wheat Scout: Decision aid for integrated management of grass weeds in spring wheat. *North Central Weed Sci. Soc.* 58:145. [PDF: 63 K](#)
1214. **Archer, D.W.** and **R.W. Gesch**. 2003. Simulation modeling to predict the adoption and economic value of a crop technology innovation. [CD-ROM computer file] Minnesota Academy of Science, St. Paul. 14 p. [PDF: 58K](#)
1058. **Archer, D.W.** and **R.W. Gesch**. 2003. Value of temperature-activated polymer-coated seed in the northern Corn Belt. *J. Agric. Applied Economics* 35(3):625-637. [PDF: 291K](#)
1056. **Archer, D.W.**, J.L. Pikul, Jr. and W.E. Riedell. 2003. Analyzing risk and risk management in cropping systems. p. 155-164. *In*: J.D. Hanson and J.M. Krupinsky (eds.), *Proc. of the Dynamic Cropping Systems: Principles, Processes and Challenges*. Bismarck, ND.
1047. **Barbour, N.W.** and **J. M-F Johnson**. 2003. Decomposing plants - Does composition and plant part affect decomposition rate? *J. MN Acad Sci.* 67(1):27. [PDF: 34K](#)
1077. **Barbour, N.W.** and **J. M-F Johnson**. 2003. Does chemical composition and plant part affect decomposition rate? [CD-ROM computer file] Minnesota Academy of Science, St. Paul. 18 p. [PDF: 176K](#)
1023. Carpenter-Boggs, Lynne, Peter D. Stahl, **Mike J. Lindstrom**, Tom E. Schumacher. 2003. Soil

microbial properties under permanent grass, conventional tillage, and no-till management in South Dakota. *Soil & Tillage Research*. 71: 15-23. [PDF: 88K](#)

1081. Day, D., R.J. Evans, J.W. Lee and **D.C. Reicosky**. 2003. Economical CO<sub>2</sub>, SO<sub>x</sub> and NO<sub>x</sub> capture from fossil fuel utilization with combined renewable hydrogen production and large scale carbon sequestration. *IIASA Abstracts*. [PDF: 1,766K](#)
1053. Deen, W., R. Cousens, J. Warringa, L. Bastiaans, P. Carberry, K. Rebel, S. Riha, C. Murphy, L.R. Benjamin, C. Cloughley, J. Cussans, **F. Forcella**, T. Hunt, P. Jamieson, J. Lindquist and E. Wang. 2003. An evaluation of four crop: Weed competition models using a common data set. *Weed Res.* 43:116-129. [PDF: 337K](#)
1036. Denmead, O.T. and **D.C. Reicosky**. 2003. Tillage-induced gas fluxes: Comparison of meteorological and large chamber techniques. 16th Triennial Conference of International Soil Tillage Research Organization. *Soil Management for Sustainability Abstracts*. P. 38. [PDF: 6,518K](#)
1041. Denmead, O.T. and **D.C. Reicosky**. 2003. Tillage-induced gas fluxes: Comparison of meteorological and large chamber techniques. *In: Proc. International Soil Tillage Research Organisation 16th Triennial Conf. Brisbane, Australia. 14-18 July, 2003.* p. 357-363. [PDF: 4,067K](#)
1123. Ekeleme, F., D. Chikoye, **D. Archer** and **F. Forcella**. 2003. Modeling emergence of tropical weeds. *North Central Weed Sci. Soc.* 58:71. [PDF: 75K](#)
1221. Euliss, Jr., N.H., R.A. Gleason, **A. Olness**, R.L. McDougal, H.R. Murkin, R.D. Robarts, R.A. Bourbonniere and B.G. Warner. 2003. Prairie wetlands of North America important for carbon storage. *Geological Society of America. Paper No. 110-10.*
1063. Eyherabide, J.J., P.A. Calviño, **F. Forcella**, G. Cendoya and K.E. Oskoui. 2003. Solaria help predict in-crop weed densities. *Weed Technol.* 17:166-172. [PDF: 96K](#)
1059. **Forcella, F.** 2003. Debiting the seedbank: Priorities and predictions. p. 151-162. *In: R.M. Bekker, et al. (eds.) Seedbanks: Determination, Dynamics and Management. Aspects of Applied Biology 69.* Assoc. of Applied Biologists, Wellesbourne, UK. [PDF: 231K](#)
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1061. **Forcella, F.**, S.R. Poppe, N.C. Hansen, W.A. Head, E. Hoover, F. Propsom and J. McKensie.

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1035. **Gesch, R.W., F. Forcella**, B.S. Sharratt, **A. Olness** and **D. Archer**. Progress in moving from research to commercial production of *Cuphea* in the U.S. 94th AOCs Annual Meeting & Expo Abstract. 2003. p. 32. [PDF: 1,556K](#)
1071. **Gesch, R.W., J. M-F Johnson** and M. Gallo-Meagher. 2003. Acclimation of PEPC and rubisco in maize leaves to cold temperatures. *Plant Biology*. p. 93.
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1065. **Jaradat, A.A.** 2003. Halophytes for sustainable biosaline farming systems in the Middle East. p. 187-204. *In: A.S. Alsharhan, et al. (eds.). Desertification in the Third Millenium.* Swets & Zeitlinger Publ., Lisse, The Netherlands. [PDF: 329K](#)
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1025. **Johnson, J., L. Carpenter-Boggs** and **M. Lindstrom.** 2003. Humic acid and aggregate stability in amended soils. 4th North Central Region Symposium on Natural Organic Matter in Soils and Water. P. 21. [PDF: 5,885K](#)
1192. **Johnson, J.M-F, R.W. Gesch** and **N.W. Barbour.** 2003. Contrasting temperature regimes alter composition and phenology of switchgrass and wheat. *American Society of Agronomy Abstract.* C02-johnson260169-poster [CD-ROM computer file] ASA, Madison, WI.

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1136. Kim, J-H., **S.K. Papiernik**, W.J. Farmer, J. Gan and S.R. Yates. 2003. Effect of formulation on the behavior of 1,3-dichloropropene in soil. *J. Environ. Qual.* 32:2223-2229. [PDF 109K](#)
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1074. **Olness, A.,** M. Lieser, H. Weiser, B. Kunze and **J.L. Rinke.** 2003. Four northern Great Plains soils: Their unique chemical signatures. Minnesota Academy of Science, St. Paul. 12 p. ([PDF: 270 K](#))
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