

2009 Publications

1498. Archer, D.W. and **D.C. Reicosky**. 2009. Economic performance of alternative tillage systems in the northern Corn Belt. *Agronomy Journal* 101(2):296-304. ([691 K](#))
1504. DeJong-Hughes, J., and **J.M.F. Johnson**. 2009. Is deep zone tillage agronomically viable in Minnesota? Online. *Crop Management*.
1493. Farenhorst, A., D.A.R. McQueen, I. Saiyed, C. Hilderbrand, S. Li, D.A. Lobb, P. Messing, T.E. Schumacher, **S.K. Papiernik** and M.J. Lindstrom. 2009. Variations in soil properties and herbicide sorption coefficients with depth in relation to PRZM (pesticide root zone model) calculations. *Geoderma* 150:267-277. ([594 K](#))
1508. **Forcella, F.** 2009. Potential of air-propelled abrasives for selective weed control. *Weed Technology* 23:317-320.
1509. **Forcella, F.** 2009. Potential use of abrasive air-propelled agricultural residues for weed control. *Weed Research* 49:341-345. ([161 K](#))
1514. **Forcella, F., S.K. Papiernik, and R.W. Gesch.** 2009. Herbicides for calendula [abstract]. The Association for the Advancement of Industrial Crops. p. 6.
1516. **Gesch, R.** and D.W. Archer. 2009. Camelina: A potential winter crop for the northern Corn Belt [abstract][CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 1-5, 2009, Pittsburgh, PA.
1513. **Gesch, R.W.** and **F. Forcella**. 2009. Calendula: A potential new oilseed crop for the northern U.S. [abstract]. The Association for the Advancement of Industrial Crops. p. 5.
1515. **Gesch, R.W.**, B.S. Sharratt and **K-I Kim**. 2009. Yield and water use response of cuphea to irrigation in the northern Corn Belt. *Crop Sci.* 49:1867-1875. ([1095 K](#))
1510. **Gramig, G.G.** and D.E. Stoltenberg. 2009. Adaptive responses of field-grown common lambsquarters (*Chenopodium album*) to variable light quality and quantity environments. *Weed Science* 57:271-280. ([PDF: 422 K](#))
1499. Halvorson, A.D. and **J.M.F. Johnson**. 2009. Corn cob characteristics in irrigated Central Great Plains studies. *Agronomy Journal* 101(2):390-399. ([773 K](#))

1518. Ibekwe, A.M., C.M. Grieve, **S.K. Papiernik** and C.-H. Yang. 2009. Persistence of Escherichia coli 0157:H7 on the rhizosphere and phyllosphere of lettuce. Letters in Applied Microbiology 49:784-790. [\(502 K\)](#)
1507. **Jaradat, A.A.** 2009. Metrics of climate change impact and adaptation of physiologically-diverse crops. IOP Conference Series: Earth and Environmental Science. Paper No. 372021.
1530. **Jaradat, A.A.** 2009. Modeling biomass allocation and grain yield in bread and durum wheat under abiotic stress. Aust. J. Crop Sci. 3(5):237-248. [\(284 K\)](#)
1528. **Jaradat, A.A., J. M-F Johnson, S.L. Weyers** and **N.W. Barbour**. 2009. Determinants and prediction of carbon/nitrogen ratio in five diverse crop plants. Commun. Soil Sci. Plant Anal. 40:2688-2711. [\(397 K\)](#)
1505. **Jaradat, A.A.** and **J.L. Rinke**. 2009. Dynamics of macro- and micronutrients in Cuphea. Journal of Plant Nutrition. 32:1383-1406. [\(1481 K\)](#)
1527. **Johnson, J.** and D.L. Karlen. 2009. Advancing biofuels: Balancing for sustainability [abstract]. American Chemical Society. 77:122.
1503. La Scala, Jr., N., A. Lopes, K. Spokas, D.W. Archer and **D.C. Reicosky**. 2009. First-order decay models to describe soil C-CO₂ loss after rotary tillage. Scientia Agricola. 66(5):650-657. [\(521 K\)](#)
1497. La Scala, Jr., N., A. Lopes, K. Spokas, D.W. Archer and **D.C. Reicosky**. 2009. Short-term temporal changes of bare soil CO₂ fluxes after tillage described by first-order decay models. European Journal of Soil Science 60(2):258-264. [\(1523 K\)](#)
1519. Lobb, D.A., S. Li, **S.K. Papiernik**, T.E. Schumacher, D.D. Malo, M.J. Lindstrom and J. Schumacher. 2009. Assessment of soil erosion in a cultivated landscape using repeated measurements of ¹³⁷Cs [abstract][CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 1-5, 2009, Pittsburgh, PA.
1501. **Papiernik, S.K.**, W.C. Koskinen and S.R. Yates. 2009. Solute transport in eroded and rehabilitated prairie landforms. 1. Nonreactive solute. Journal of Agricultural and Food Chemistry 57:7427-7433. [\(2165 K\)](#)
1502. **Papiernik, S.K.**, W.C. Koskinen and S.R. Yates. 2009. Solute transport and rehabilitated prairie landforms. 2. Reactive solute. Journal of Agricultural and Food Chemistry 57:7434-7439. [\(804 K\)](#)

1461. **Papiernik, S.K.**, T.E. Schumacher, D.A. Lobb, M.J. Lindstrom, M.L. Lieser, A. Eynard and J.A. Schumacher. 2009. Soil properties and productivity as affected by topsoil movement within an eroded landform. *Soil & Tillage Research* 102:67-77. ([779 K](#))
1517. **Papiernik, S.**and S. Yates. 2009. Plastic films for soil fumigation: Permeability and emissions reduction [abstract]. *Am. Chem. Soc.* 77:137-138.
1491. Pikul, Jr., J.L., G. Chilom, J. Rice, A. Eynard, T.E. Schumacher, K. Nichols, **J.M.F. Johnson, S. Wright**, T.C. Caesar and M. Ellsbury. 2009. Organic matter and water stability of field aggregates affected by tillage in South Dakota. *Soil Science Society of America Journal* 73(1):197-206. ([799 K](#))
1496. **Reicosky, D.C.** 2009. Gestión responsable del carbono en el suelo. *PHYTOMA Espa?a* 207:57-59.
1524. Reicosky. D.C. 2009. Importance and update of direct seed certification programs in North America. In: Proceedings of XVII Congress of AAPRESID, August 19-21, 2009, Rosario, Argentina. p. 109-116.
1523. Reicosky. D.C. 2009. Update of carbon market programs in North America. In: Proceedings of XVII Congress of AAPRESID, August 19-21, 2009, Rosario, Argentina. p. 73-78.
1506. Riedell, W.E., J.L. Pikul, Jr., **A.A. Jaradat** and T.E. Schumacher. 2009. Crop rotation and nitrogen input effects on soil fertility, maize mineral nutrition, and seed composition. *Agronomy Journal* 101(4):870-879. ([1149 K](#))
1495. Sakaliene, O., **S.K. Papiernik**, W.C. Koskinen, I. Kavolinaite and J. Brazenaitei. 2009. Using lysimeters to evaluate the relative mobility and plant uptake of four herbicides in a rye production system. *Journal of Agricultural and Food Chemistry* 57:1975-1981. ([896 K](#))
1492. Spokas, K. and **F. Forcella**. 2009. Software tools for weed seed germination modeling. *Weed Science* 57:216-227. ([924 K](#))
1521. Spokas, K.A., W.C. Koskinen, J.M. Baker and **D.C. Reicosky**. 2009. Impacts of woodchip biochar additions on greenhouse gas production and sorption/degradation of two herbicides in a Minnesota soil. *Chemosphere* 77:574-581. ([485 K](#))
1522. Spokas, K.A. and **D.C. Reicosky**. 2009. Impacts of sixteen different biochars on soil greenhouse gas production. *Annals of Environ. Sci.* 3:179-193. ([316 K](#))

1526. Varvel, G.E., D.L. Karlen, J.M. Baker, **J.M.F. Johnson**, S.L. Osborne and J.M. Novak. Developing field studies to measure corn residue removal effects on soil organic matter - A mult-location approach [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 1-5, 2009, Pittsburgh, PA.
1529. **Weyers, S.**, A.M. Liesch, J. Gaskin and K. Das. 2009. Earthworms contribute to increased turnover in biochar amended soils [abstract][CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 1-5, 2009, Pittsburgh, PA.