

2008 Publications

1477. Archer, D. and **S. Weyers**. 2008. Energy and carbon budgets in transitional cropping systems in Minnesota. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1452. Berti, M. B.L. Johnson, **R.W. Gesch** and **F. Forcella**. 2008. Cuphea nitrogen uptake and seed yield response to nitrogen fertilization. *Agron. J.* 100(3):628-634. ([864 K](#))
1451. Berti, M., B. Johnson, **R.W. Gesch** and **F. Forcella**. 2008. Cuphea seed yield response to harvest methods applied on different dates. *Agron. J.* 100(4):1138-1144. ([596 K](#))
1440. Eynard, A., T.E. Schumacher, **S.K. Papiernik**, D. Lobb and M.J. Lindstrom. 2008. Soil water retention within an eroded and restored landscape [abstract]. Soil and Water Conservation Society. p. 99.
1442. Farenhorst, A., **S.K. Papiernik**, I. Saiyed, P. Messing, K.D. Stephens, J.A. Schumacher, D.A. Lobb, S. Li, M.J. Lindstrom and T.E. Schumacher. 2008. Herbicide sorption coefficients in relation to soil properties and terrain attributes on a cultivated prairie. *J. Environ. Qual.* 37:1201-1208. ([1361 K](#))
1448. **Forcella, F., G. Gramig**, K. Spokas and **C. Bredeson**. 2008 Critical plant life-history trait linkage to weather, management, and clients [abstract]. The Ecological Society of America. Paper No. P9091.
1486. **Gesch, R.W.** 2008. Photosynthesis and growth response of different switchgrass ecotypes to fluctuating growth temperatures. *Assoc. Advancement Industrial Crops.* p. 58.
1483. **Gesch, R.** 2008. Photosynthetic response of switchgrass ecotypes to fluctuating growth temperatures. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1489. **Gesch, R., F. Forcella, S. Papiernik** and **A. Jaradat**. 2008. Future generation energy crops [abstract] [CD-ROM]. Midwest Area Bioenergy Research Forum Meeting Abstracts. Midwest Area Bioenergy Research Forum. July 18, 2008, Peoria, IL.
1449. **Gramig, G.**and **F. Forcella**.2008. Mapping recent temporal changes in crop species diversity for the 48 contiguous U.S. states. [abstract]. The Ecological Society of America. Paper No. P14678.

1487. **Gramig, G. and F. Forcella.** 2008. Mapping temporal changes in crop species diversity for the 48 contiguous U.S. states. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 5-9, 2008, Houston, TX.
1463. Ibekwe, A., C. Grieve, **S. Papiernik** and C-H Yang. 2008. Effects of fumigants on soil microbial community affected by irrigation water contaminated with *E. coli* O157:H7. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1464. Ibekwe, A.M. and **S.K. Papiernik.** 2008. Influence of microbial community diversity on survival of *escherichia coli* O157:H7 in two contrasting soils. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1445. **Jaradat, A.A.** 2008. Modeling seed weight under environmental resource limitations as a function of C, N, and C:N allocation [abstract]. Polish Journal of Natural Sciences. Supplement No. 5. p. 79.
1439. **Jaradat, Abdullah A., and Rinke, Jana L.** Flowering, capsule and seed characteristics in Cuphea. 2008. *Euphytica* 161:447-459. ([613 K](#))
1480. **Jaradat, A. and J. Rinke.** 2008. Nutrient homeostasis, C:N ratio, and oil content in cuphea seed. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1446. **Jaradat, A.A. and J.L. Rinke.** 2008. Phenotypic divergence and population variation in Cuphea. *J. Agron.* 7(1):25-32. ([572 K](#))
1479. **Jaradat, A. and J. Rinke.** 2008. Physical capsule and seed characteristics impact nutrient densities in cuphea seed. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1473. **Johnson, J. M.F.** 2008. Bioenergy: Agricultural crop residues. U.S. Forest Service. General Technical Report NRS-P-31. p. 21.
1475. **Johnson, J.** 2008. Biofuel production and soil and water contamination. In: Proceedings of the 28th Latin American Chemical Association's 28th Latin American Chemical Congress on July 27-August 1, 2008.
1476. **Johnson, J. M-F.** 2008. Biomass removal: Effect on soil nutrients and productivity. In: Proceedings of the North Central Extension-Industry Soil Fertility Conference, November 12-13, 2008, Des Moines, Iowa. p. 7-14. ([773 K](#))

1471. **Johnson, J. M-F**, D. Archer and **N. Barbour**. 2008. Can trace gas emission be modified by management scenarios in the northern Corn Belt. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1490. **Johnson, J.M., S.L. Weyers** and **D.C. Reicosky**. 2008. Sustainable biomass removal rates [abstract] [CD-ROM]. Midwest Area Bioenergy Research Forum Meeting Abstracts. Midwest Area Bioenergy Research Forum. July 18, 2008, Peoria, IL.
1470. **Johnson, J.**, W.W. Wilhelm, D. Lightle, D.L. Karlen, J. Baker, T. Ochsner, J. Novak, A.D. Halvorson, D. Archer and D. Laird. 2008. Vertical distribution of corn stover dry mass. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1488. **Kim, K-I.**, D.E. Clay, C.G. Carlson, S.A. Clay and T. Troien. 2008. Do synergistic relationships between nitrogen and water influence the ability of corn to use nitrogen derived from fertilizer and soil? Agron. J. 100(3):551-556. ([730 K](#))
1484. **Kim, K-I.**, and **R. Gesch**. 2008. Adaptability of cuphea, a new oil seed crop, to climate and soil environments. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1485. **Kim, K-I., R. Gesch**, B. Johnson, F. Lutzi, M. Berti, L. Marek, S. Cermak, T. Isbell and W. Phippen. 2008. Feasibility of cuphea as a new oil seed crop, to climate and soil environments. Assoc. Advancement Industrial Crops. p. 11.
1472. **Lachnicht Weyers, S.**, D. Archer, **J. Johnson** and **A. Jaradat**. 2008. Microbial biomass and nutrient dynamics in transitional systems in Minnesota. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 5-9, 2008, Houston, TX.
1466. **Lachnicht Weyers, S., D.C. Reicosky**, T. Ochsner and J.M. Baker. 2008. N mineralization and microbial dynamics in manured and non-manured fields. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1458. La Scala, Jr., N., A. Lopes, K. Spokas, D. Bolohezi, D.W. Archer and **D.C. Reicosky**. 2008. Short-term temporal changes of soil carbon losses after tillage described by a first-order decay model. Soil Tillage Res. 99:108-118. ([807 K](#))
1443. Li, S., D.A. Lobb, M.J. Lindstrom, **S.K. Papiernik** and A. Farenhorst. 2008. Modeling tillage-induced redistribution of soil mass and its constituents within different landscapes. Soil Sci. Soc. Am. J. 72 (1):167-179. ([1239 K.](#))

1430. McGiffen, M., Spokas, K., **Forcella, F.**, Archer, D., Poppe, S., and Figueroa, R. Emergence prediction of common groundsel (*Senecio vulgaris*). *Weed Sci.* 56:58-65. 2008. ([679 K](#))
1465. **Papiernik, S.**, W.C. Koskinen, S. Yates and B. Barber. 2008. Metolachlor dissipation in eroded and restored landscapes. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1494. Papiernik, S.K., M.J. Lindstrom, D. Lobb, T.E. Schumacher and J.A. Schumacher. 2008. Restoration of eroded landscapes to reduce variability in soil properties affecting productivity [abstract]. Soil and Water Conservation Society. p. 52.
1474. Pikul, Jr., J.L., **J. M-F Johnson**, T.E. Schumacher, M. Vigil and W.E. Riedell. 2008. Change in surface soil carbon under rotated corn in eastern South Dakota. *Soil Sci. Soc. Am. J.* 72(6): 1738-1744. ([537 K](#))
1456. **Reicosky, D.C.** 2008. Carbon sequestration and environmental benefits from no-till systems. p. 43-58. In Goddard, T. et al. (eds) No-Till Farming Systems. Special Publication No. 3, World Association of Soil and Water Conservation, Bangkok: Thailand. ([5572 K](#))
1467. **Reicosky, D.** 2008. Recycling of biochar as a co-product of pyrolysis: pH and microbial effects. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
1468. **Reicosky, D.C.** 2008. Tillage. In: Goreham, G., editor. Encyclopedia of Rural America. 2nd edition. Vol. 2. Millerton, NY: Grey House Publishing, Inc. p. 984-991.
1457. **Reicosky, D.C., R.W. Gesch, S.W. Wagner**, R.A. Gilbert, **C.D. Wente** and D.R. Morris. 2008. Tillage and wind effects on soil CO₂ concentrations in muck soils. *Soil Tillage Res.* 99:221-231. [PDF: 1074 K](#).
1462. Rice, P.J., W.C. Koskinen, **S.K. Papiernik** and J. Strock. 2008. Evaluating the influence of drainage, application and tillage practices on the dissipation of chloroacetanilide herbicides in Minnesota soils. In: Proc. 3rd Agricultural Drainage Field Day. Soil and Water Management Field Day Proceedings 2008, August 13, 2008, Lamberton, MN. 2008 CDROM.
1478. Riedell, W., J.L. Pikul, Jr., T.E. Schumacher, S.L. Osborne and **A. Jaradat**. 2008. Soil, maize crop, and kernel composition responses to rotation and N fertilizer treatments. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.

1444. Schumacher, J.A., T.E. Schumacher, D. Lobb, S. Li, J. Mollinedo and M.J. Lindstrom. 2008. Soil translocation estimates calibrated for moldboard plow depth [abstract]. Soil and Water Conservation Society. p. 99.
1450. Schutte, B.J., E.E. Regnier, S.K. Harrison, J.T. Schmoll, K. Spokas and **F. Forcella**. 2008. A hydrothermal seedling emergence model for giant ragweed (*Ambrosia trifida*). Weed Sci. 56:555-560. [\(441 K\)](#)
1459. Sharratt, B.S. and **R.W. Gesch**. 2008. Emergence of polymer-coated corn and soybean influenced by tillage and sowing date. Agron. J. 100(3):585-590. [\(832 K\)](#)
1454. **Weyers, S.L.**, H.H. Schomberg, P.F. Hendrix, K.A. Spokas and D.M. Endale. 2008. Construction of an electrical device for sampling earthworm populations in the field. Applied Engineering Agric. 24(3):391-397. [\(2853 K\)](#)
1469. Wilhelm, W.W., J.R. Hess, **J. Johnson**, H.T. Gollany, D.L. Karlen, J. Baker and G. Varvel. 2008. Agronomic factors limiting sustainable corn stover harvest. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meetings. Oct. 5-9, 2008, Houston, TX.
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