

2010 Publications

1547. **Forcella, F.**, T. James, A. Rahman. 2010. Weed control through seedling abrasion with an organic fertilizer. *In*: Zydenbos, S.M., editor. Proceedings of the New Zealand Plant Protection Society. Seventeenth Australasian Weeds Conference, September 26-30, 2010, Christchurch, New Zealand. p. 80. ([PDF: 125 K](#))
1548. **Gesch, R.** 2010. Present and potential future oilseed production systems for biofuels [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 31-Nov. 3, 2010, Long Beach, CA.
1545. **Gesch, R.W.** 2010. Winter camelina in the Northern U.S. and the potential of its use in double-cropping [abstract]. Association for the Advancement of Industrial Crops.
1511. **Gesch, R.W.**, D.W. Archer and **F. Forcella**. 2010. Rotational effects of cuphea on corn, spring wheat, and soybean. *Agron. J.* 102(1):145-153. ([1691 K](#))
1551. **Gesch, R.W.**, B.L. Johnson. 2010. Seed Oil Content and Composition Development in Two Sunflower Hybrids [abstract]. Sunflower Research Forum. ([1005 K](#))
1549. **Gesch, R.W.** and **J. M-F. Johnson**. 2010. Differential growth and carbohydrate usage in switchgrass ecotypes under suboptimal temperatures. *Crop Sci.* 50: 1988-1996. ([914 K](#))
1550. **Gesch, R.W.**, K-I Kim and **F. Forcella**. 2010. Influence of seeding rate and row spacing on cuphea seed yield in the Northern Corn Belt. *Industrial Crops Products* 32:692-695. ([150K](#))
1532. Ibekwe, A.M., S.K. Papiernik, C.M. Grieve, and CH. Yang. 2010. Influence of fumigants on soil microbial diversity and survival of *E. coli* O157:H7. *J. Environ. Sci. Health Part B.* 45:416-426. ([3952 K](#))
1583. Ibekwe, A.M., **S.K. Papiernik**, C.M. Grieve, and C-H Yang. 2010. Quantification of persistence of *Escherichia coli* O157:H7 in contrasting soils. *Intl. J. Microbiology* 2011:1-11. ([969 K](#))
1534. Ibekwe, A.M., **S.K. Papiernik**, and C.-H. Yang. 2010. Influence of soil fumigation by methyl bromide and methyl iodide on rhizosphere and phyllosphere microbial community structure. *J. Environ. Sci. Health Part B.* 45:427-436. ([5676 K](#))

1542. **Jaradat, A.A.** 2010. Date palms of Arabia: A multifunctional genetic resource. *In*: Eschie, H.A., (ed.) Proceedings of the International Conference on Date Palm Production and Processing Technology, May 9-11, 2006, Muscat, Oman. p. 13-17.
1559. **Jaradat, A.A.** 2010. Genetic resources of energy crops: Biological systems to combat climate change. *Australian J. Crop Sci.* 4(5):309-323.
1541. **Jaradat, A.A.**, W. Goldstein and K. Dashiell. 2010. Phenotypic structures and breeding value of open-pollinated corn varietal hybrids. *Intl. J. Plant Breeding.* 4(1):37-46. ([900 K](#))
1543. **Jaradat, A.A.** and W.E. Riedell. 2010. Nutrient densities, carbon:nitrogen ratios, and midday differential canopy temperature impact grain yield of stressed oat. *J. Plant Nutrition* 33(10):1531-1554. ([524 K](#))
1544. **Jaradat, A.A.**, W.E. Riedell and W. Goldstein. 2010. Biophysical constraints and ecological compatibilities of diverse agroecosystems. *In*: Proceedings of Innovation and Sustainable Development in Agriculture and Food, June 28-July 1, 2010, Montpellier, France.
1540. **Jaradat, A.A.** and **J.L. Rinke.** 2010. Nutrient homeostasis, C:N:S ratios, protein, and oil content in Cuphea seed. *Seed Sci. Biotechnology.* 4(1)1-9. ([567 K](#))
1554. **Johnson, J.** 2010. Managing for soil protection and bioenergy production on agricultural lands [abstract][CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 31-Nov. 3, 2010, Long Beach, CA.
1525. **Johnson, J.M.** 2010. Organic matter balance: Managing for soil protection and bioenergy production. *In*: Proceedings of the Southwest Agricultural Conference, January 6-7, 2010, Chatham, Ontario, Canada. p. 9-12.
1555. **Johnson, J.** 2010. Residue management: Back to the roots [abstract][CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 31-Nov. 3, 2010, Long Beach, CA.
1531. **Johnson, J.M-F**, D. Archer and **N. Barbour.** 2010. Greenhouse gas emission from contrasting management scenarios in the northern Corn Belt. *Soil Sci. Soc. Am. J.* 74(2):396-406. ([680 K](#))
1535. **Johnson, J.M-F** and **N.W. Barbour.** 2010. Crop yield and greenhouse gas responses to stover harvest on Glacial Till Mollisol. *In*: Gilkes, R.J., Prakongkep, N., editors. Proceedings of the 19th World Congress of Soil Science: Soil Solutions for a Changing World, August 1-6, 2010, Brisbane, Australia. p. 36-39. ([177 K](#))

1536. **Johnson, J.M.F.**, D.L. Karlen, and S.S. Andrews. 2010. Conservation considerations for sustainable bioenergy feedstock production: If, what, where and how much? *J. Soil Water Conserv.* 65(4):88A-91A. ([4065 K](#))
1572. **Johnson, J.M.**, J.A. Morgan. 2010. II. Sampling protocols, Chapter 2: Plant sampling guidelines. *In: R.F. Follett, (ed.). GRACEnet Sampling Protocols..* p. 2-1 - 2-10.
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1556. **Johnson, J. M-F**, W.W. Wilhelm, D.L. Karlen, D.W. Archer, B. Wienhold, D.T. Lightle, D. Laird, J. Baker, T.E. Ochsner, J.M. Novak, A.D. Halvorson, F. Arriaga and **N. Barbour**. 2010. Nutrient removal as a function of corn stover cutting height and cob harvest. *Bioenerg. Res.* 3:342-352. ([233 K](#))
1552. Lee, J.W., B. Hawkins, D.M. Day and **D.C. Reicosky**. 2010. Sustainability: The capacity of smokeless biomass pyrolysis for energy production, global carbon capture and sequestration. *Energy Environ. Sci.* 3(11):1695-1705. ([12,464 K](#))
1537. Liesch, A.M., **S.L. Weyers**, J.C. Gaskin, and K.C. Das. 2010. Impact of two different biochars on earthworm growth and survival. *Annals Environ. Sci.* 4:1-9. ([126 K](#))
1538. Liesch, M., **S.L. Weyers**, J. Gaskin and K.C. Das. 2010. The effects of two different biochars on earthworm survival and microbial carbon levels. *In: Gilkes, R.J., Prakongkep, N., editors. Proceedings of the 19th World Congress of Soil Science: Soil Solutions for a Changing World, August 1-6, 2010, Brisbane, Australia.* p. 67-70. ([180 K](#))
1562. Murdock, A.J., I. Dogan, R.A. Nicholls, J. Gonzalez Andujar, D. Benoit, A.S. Davis, **F. Forcella**, F. Graziani, A. Grundy, L. Karlsson, P. Milberg, P. Neve, I.A. Rasmussen, J. Salonen, B. Sera, E. Sousa, F. Tei, K. Torresen, J. Urbano. 2010. Dormancy and germination of *Chenopodium album* seeds from different latitudes in Europe and the USA [abstract]. *European Weed Research Society Symposium Proceedings.* 17:A0090.
1558. **Papiernik, S.**, R. Young, T. Schumacher, M. Westgate and **A. Wilts**. 2010. Aggregate stability, surface-water runoff, and soil loss in wheat-sunflower and corn-soybean rotations [abstract] [CD-ROM]. *ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting.* Oct. 31-Nov. 3, 2010, Long Beach, CA.

1553. **Reicosky, D.C.** 2010. Research progress in agricultural tillage: Ray Allmaras' legacy [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 31-Nov. 3, 2010, Long Beach, CA.
1512. Royo-Esnal, A., J. Torra, J.A. Conesa, **F. Forcella** and J. Recasens. 2010. Modeling the emergence of three arable bedstraw (Galium) species. *Weed Sci.* 58:10-15. ([457 K](#))
1563. Schumacher, T.E., A. Eynard, **S.K. Papiernik**, J. Schumacher, D. Lobb, M.J. Lindstrom. 2010. Soil quality changes after topsoil addition to eroded land [abstract]. Soil and Water Conservation Society. Paper No. 43.
1539. Spokas, K.A., J.M. Baker and **D.C. Reicosky**. 2010. Ethylene: Potential key for biochar amendment impacts. *Plant Soil.* 333:443-452. ([275 K](#))
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1557. Wilhelm, W.W., J.R. Hess, D.L. Karlen, **J. M-F Johnson**, D.J. Muth, J.M. Baker, H.T. Gollany, J.M. Novak, D.E. Stott and G.E. Varvel. 2010. Balancing limiting factors and economic drivers for sustainable Midwestern US agricultural residue feedstock supplies. *Industrial Biotechnology* 6(5):271-287. ([1035 K](#))