

2014 Publications

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1692. Aponte, A., Dekard, E.L., **Gesch, R.W.**, Johnson, B.L., Samarappuli, D., Teuber, O. and Berti, M.T. 2014. Double and relay cropping systems of oilseed and biomass crops for sustainable energy production [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. <http://scisoc.confex.com/scisoc/2014am/webprogram/Paper88340.html>.
1669. Campbell, E.E., **Johnson, J.M.**, Jin, V.L., Lehman, R.M., Osborne, S.L., Varvel, G.E., Paustian, K. 2014. Assessing the soil carbon, biomass production, and nitrous oxide emission impact of corn stover management practices for bioenergy feedstock production using DAYCENT. BioEnergy Research. DOI: 10.1007/s12155-014-9414-z.
1658. Clay S.A., Davis, A., Dille, J.A., Lindquist, J., Ramirez, A., Reicks, G., Sprague, C. and **Forcella, F.** Common sunflower seedling emergence across the U.S. Midwest. Weed Science 62:63-70. 2014.
1654. **Eberle, C.A., Forcella, F., Gesch, R.W., Peterson, D.H., Eklund, J.J.** 2014. Seed germination of calendula in response to temperature. Industrial Crops and Products. 52:199-204. <http://handle.nal.usda.gov/10113/58301>
1682. **Eberle, C.A., Forcella, F., Gesch, R., Weyers, S., Peterson, D., and Eklund, J.** 2014. Flowering dynamics and pollinator visitation of oilseed echium (*Echium plantagineum*). PLoS ONE 9(11): e113556. doi:10.1371/journal.pone.0113556. <http://handle.nal.usda.gov/10113/59994>
1684. **Eberle, C.A., Forcella, F.,** Lundgren, J.G., Nemec, K.T., **Gesch, R.W.**, Riedell, W.E., Papiernik, S.K., and **Thom, M.D.** 2014. Using cash cover crops to provide pollinator provisions [abstract]. In: Miller, T., Alexopoulou, E. and Berti, M.T., editors. International Conference in Industrial Crops and 26th Annual Meeting of the Association for the Advancement of Industrial Crops (AAIC). Program and Abstracts. September 13-19, 2014, Athens, Greece.
1697. **Eberle, C.A., Forcella, F.,** Lundgren, J.G., Nemec, K.T., **Gesch, R.W.**, Riedell, W.E., Papiernik, S.K., **Thom, M.D.** 2014. Using cash cover crops to provide pollinator provisions in the Upper Midwest [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. Available: <https://scisoc.confex.com/scisoc/2014am/webprogram/Paper86520.html>
1685. **Forcella, F., Eberle, C.A., Thom, M.D., Gesch, R.W.** 2014. Good crop/bad crop: Interrogating oilseeds for floral resources [abstract]. In: Miller, T., Alexopoulou, E. and Berti, M.T., editors. International Conference in Industrial Crops and 26th Annual Meeting of the Association for the Advancement of Industrial Crops (AAIC). Program and Abstracts. September 13-19, 2014, Athens, Greece.
1674. **Gesch, R.W.** 2014. Influence of genotype and sowing date on camelina growth and yield in the north central U.S. Industrial Crops and Products. 54:209-215. <http://handle.nal.usda.gov/10113/58455>
1686. **Gesch, R.W.**, Allen, B.L., Archer, D.W., Banuelos, G.S., Behrman, K.D., Brown, J., Hatfield, J.L., Jabro, J.D., Kiniry, J.R., Long, D.S., Vigil, M.F. 2014. Agronomic comparison of several brassica species in the U.S. Corn Belt as feedstock for hydrotreated jet fuel [abstract]. In: Miller, T., Alexopoulou, E. and Berti, M.T., editors. International Conference in Industrial Crops and 26th Annual Meeting of the Association for the Advancement of Industrial Crops (AAIC). Program and Abstracts. September 13-19, 2014, Athens, Greece.
1691. **Gesch, R.W.** and Archer, D.W. 2014. Dual purpose oilseed cover crops for sustainable bioenergy production. [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. <http://scisoc.confex.com/scisoc/2014am/webprogram/Paper85462.html>.
1690. **Gesch, R.W.**, Archer, D.W. and Berti, M.T. 2014. Dual cropping winter camelina with soybean in the Northern Corn Belt. Agronomy Journal. 106:1735-1745. <http://handle.nal.usda.gov/10113/60081>
1659. **Jaradat, A.A.** 2014. Can carbon in bioenergy crops mitigate global climate change? In: Tuteja, N., Gill, S.S., editors. Climate Change and Plant Abiotic Stress Tolerance. Vol. 2. New Dehli, India: Wiley Blackwell. p. 345-420.
1648. **Jaradat, A.A.** 2014. Date palm: Production. In: Siddiq, M., Aleid, S.M. and Kader, A.A., editors. Dates: Postharvest Science, Processing Technology and Health Benefits. West Sussex, UK: John Wiley & Sons, Ltd. p. 29-55.
1660. **Jaradat, A.A.** 2014. The value of wheat landraces (editorial). Emirates Journal of Food and Agriculture. DOI: 10.9755/efja.v26i2.16745. <http://handle.nal.usda.gov/10113/58399>
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1681. **Jaradat, A.A.** and Goldstein, W. 2014. Diversity of maize kernels from a breeding program for protein quality: II. Correlatively expressed functional amino acids. Crop Science. 54:2639-2662. <http://handle.nal.usda.gov/10113/59990>
1699. **Jaradat, A.A.** and Goldstein, W. 2014. Statistical modeling of correlatively expressed functional amino acids in maize [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. Available: <https://scisoc.confex.com/scisoc/2014am/webprogram/Paper85485.html>
1680. **Jaradat, A.A.** and **Rinke, J.** 2014. Empirical modeling of the impact of Mollisol soils variation on performance of Cuphea: A potential oilseed crop. Australian Journal of Crop Science 8(7):1093-1113.
1651. **Jaradat, A.A.** and Shahid, M. 2014. How diverse a farmer-managed wheat landrace can be? Emirates Journal of Food and Agriculture. 26(2): 93-118.
1698. **Jaradat, A.A., Starr, J.P., Rinke, J.L.** and **Wente, C.D.** 2014. Multitrait mixed modeling and categorical data analyses of phenotypic variances [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. Available: <https://scisoc.confex.com/scisoc/2014am/webprogram/Paper85489.html>
1670. Jin, V.L., Baker, J.M., **Johnson, J.F.**, Karlen, D.L., Lehman, R.M., Osborne, S.L., Sauer, T.J., Stott, D.E., Varvel, G.E., Venterea, R.T., Schmer, M.R. and Wienhold, B.J. 2014. Soil greenhouse gas emissions in response to corn stover removal and tillage management across the US Corn Belt. BioEnergy Research, 1-11. DOI: 10.1007/s12155-014-9421-0 2014.

1694. Jin, V.L., Varvel, G.E., Schmer, M.R., Wienhold, B.J., **Johnson, J. M-F**, DelGrosso, S. 2014. Long-term tillage studies: What's new and what's surprising? [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. Available: <https://scisoc.confex.com/scisoc/2014am/webprogram/Paper88519.html>
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1683. **Johnson, J.M.**, Karlen, D.L., Gresham, G.L., Cantrell, K.B., Archer, D.W., Wienhold, B.J., Varvel, G.E., Laird, D.A., Baker, J.M., Ochsner, T.E., Novak, J.M., Halvorson, A.D., Arriaga, F., Lightle, D.T., Hoover, A., Emerson, R., **Barbour, N.W.** 2014. Vertical distribution of structural components in corn stover. Agriculture. Available at: www.mdpi.com/journal/agriculture. 4:274-287. <http://handle.nal.usda.gov/10113/59995>
1695. **Johnson, J.M-F.** and Liebig, M.A. 2014. GRACEnet and MAGGnet: "Who, what, why, where and how" [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. Available: <https://scisoc.confex.com/scisoc/2014am/webprogram/Paper88525.html>
1656. **Johnson, J.M.**, Novak, J.M., Varvel, G.E., Stott, D.E., Osborne, S.L., Karlen, D.L., Lamb, J.A., Baker, J.M., Adler, P.R. 2014. Crop residue mass needed to maintain soil organic carbon levels: Can it be determined? BioEnergy Research. DOI: 10.1007/s12155-013-9402-8. <http://handle.nal.usda.gov/10113/58297>
1696. **Johnson, J.M-F.**, Strock, J.S., Tallaksen, J.E., Reese, M. 2014. Soil responses to stover management in the Northern Corn Belt [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. Available: <https://scisoc.confex.com/scisoc/2014am/webprogram/Paper85893.html>
1671. Karlen, D.L., Birrell, S.J., **Johnson, J.M.F.**, Osborne, S.L., Schumacher, T.E., Varvel, G.E., Ferguson, R.B., Novak, J.M., Fredrick, J.R., Baker, J.M., Lamb, J.A., Adler, P.R., Roth, G.W. and Nafziger, E.D. 2014. Multi-location corn stover harvest effects on crop yields and nutrient removal. BioEnergy Research, 1-12. DOI: 10.1007/s12155-014-9419-7 2014.
1741. Karlen, D.L. and **Johnson, J.M.F.** 2014. Crop residue considerations for sustainable bioenergy feedstock supplies. BioEnergy Res. 7(2): 465-467.
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1673. Osborne, S.L., **Johnson, J.M.F.**, Jin, V.L., Hammerbeck, A.L., Varvel, G.E., Schumacher, T.E. 2014. The impact of corn residue removal on soil aggregates and particulate organic matter. BioEnergy Research 1-9. 10.1007/s12155-014-9413-0.
1693. Samarappuli, D., Aponte, A., Teuber, O., **Gesch, R.W.** and Berti, M.T. 2014. Intercropping corn and forage sorghum for hay production in North Dakota [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 2-5, 2014, Long Beach, CA. Available: <http://scisoc.confex.com/scisoc/2014am/webprogram/Paper87133.html>.
1655. Schutte, B.J., Tomasek, B.J., Davis, A.S., Andersson, L., Benoit, D.L., Cirujeda, A., Dekker, J., **Forcella, F.**, Gonzalez-Andujar, J.L., Graziani, F., Murdoch, A.J., Neve, P., Rasmussen, I.A., Sera, B., Salonen, J., Tei, F., Tørresen, K.S. and Urbano, J.M. 2014. An investigation to enhance understanding of the stimulation of weed seedling emergence by soil disturbance. Weed Research 54: 1-12.
1688. **Thom, M.**, Daniels, J.C., Kobziar, L. and Colburn, J. 2014. Consequences for mortality by fire: The effect of pupation location of the frosted elfin, *Callophrys irus* Godart (Lepidoptera: Lycaenidae) [abstract]. Ecological Society of America. Paper No. 85149.
1687. **Thom, M.D.**, **Eberle, C.A.**, **Forcella, F.**, Nemec, K.T., Lundgren, J.G., **Gesch, R.W.** 2014. Nectar production in oilseeds: Food for pollinators in an agriculture dominated landscape [abstract]. In: Miller, T., Alexopoulou, E. and Berti, M.T., editors. International Conference in Industrial Crops and 26th Annual Meeting of the Association for the Advancement of Industrial Crops (AAIC). Program and Abstracts. September 13-19, 2014, Athens, Greece.
1689. Ward, S.M., Cousens, R.D., Bagavathiannan, M.V., Barney, J.N., Beckie, H.J., Busi, R., Davis, A.S., Dukes, J.S., **Forcella, F.**, Freckleton, R.P., Gallandt, E.R., Hall, L.M., Jasieniuk, M., Lawton-Rauh, A., Lehnhoff, E.A., Liebman, M., Maxwell, B.D., Mesgaran, M.B., Murray, J.V., Neve, P., Nuñez, M.A., Pauchard, A., Queenborough, S.A. and Weber, B.L. 2014. Agricultural weed research: A critique and two proposals. Weed Science 62: 672-678.
1679. **Weyers, S.L.** and Spokas, K.A. 2014. Crop residue decomposition in Minnesota biochar-amended plots. Solid Earth. 5:499-507.