

## Jane Johnson's Publications

(Updated 6/15/2020)

1831. Sieverding, H., Kebreab, E., **Johnson, J.M.**, Xu, H., Wang, M., Del Grosso, S.J., Bruggeman, S., Stewart, C.E., Westhoff, S., Ristau, J., Kumar, S., Stone, J. 2020. A life cycle analysis (LCA) primer for the agricultural community. *Agronomy Journal*. <https://doi.org/10.1002/agj2.20279>.
1829. **Weyers, S.L.**, Archer, D.W., **Johnson, J.M.**, Wilts, A.R. 2020. Management drives differences in nutrient dynamics in conventional and organic four-year crop rotation systems. *Agronomy*. 10:764. <https://doi.org/10.3390/agronomy10060764>.
1827. Zanetti, F., **Gesch, R.W.**, Walia, M.K., **Johnson, J.M.**, Monti, A. 2020. Winter camelina root characteristics and yield performance under contrasting environmental conditions. *Field Crops Research*. 252(1):107794. <https://doi.org/10.1016/j.fcr.2020.107794>.
1809. Clay, D.E., Alverson, R., **Johnson, J.M.**, Karlen, D.L., Clay, S., Wang, M.Q., Bruggeman, S., Westhoff, S. 2019. Crop residue management challenges: A special issue overview. *Agronomy Journal*. 111:1-3. <https://doi.org/10.2134/agronj2018.10.0657>.
1808. **Johnson, J.M.**, Barbour, N.W. 2019. Stover harvest did not change soil nitrous oxide emissions in two Minnesota fields. *Agronomy Journal*. 111:143-155. <https://doi.org/10.2134/agronj2018.09.0591>.
1793. Acosta-Martinez, V., Cano, A. and **Johnson, J.** 2018. Simultaneous determination of multiple soil enzyme activities for soil health-biogeochemical indices. *Applied Soil Ecology*: 126:121-128. <https://doi.org/10.1016/j.apsoil.2017.11.024>.
1810. **Johnson, J.M.** 2018. A "Soil Lorax" perspective on corn stover for advanced biofuels. *Agronomy Journal*. 110:59-62. <https://doi.org/10.2134/agronj2018.02.0093>.
1795. **Johnson, J. M-F**, Gesch, R.W. and Barbour, N.W. 2018. Limited seed and seed yield response of calendula to applied nitrogen does not justify risk of environmental damage from high urea application rates. *Agriculture*. 8(40). <https://doi.org/10.3390/agriculture8030040>.
1813. **Johnson, J.M.**, **Gesch, R.W.**, **Barbour, N.W.** 2018. Spring camelina N rate: Balancing agronomics and environmental risk in United States Corn Belt. *Archives of Agronomy and Soil Science*. <https://doi.org/10.1080/03650340.2018.1519803>.
1797. Pagliari, P.H., Strock, J.S., **Johnson, J.M.**, Waldrip, H. 2018. Phosphorus distribution in soils treated with bioenergy co-product materials following corn growth. *Agronomy Journal*. 110(3):850-858. <https://doi.org/10.2134/agronj2017.04.0239>.
1800. Weyers, S.L., **Johnson, J.M.**, Archer, D.W., Forcella, F., Gesch, R.W. 2018. Manure and residue inputs maintained soil organic carbon in Upper Midwest conservation production systems. *Soil Science Society of America Journal*. 82:878-888. doi/10.2136/sssaj2017.09.0344.
1789. Acosta-Martinez, V., Cano, A., **Johnson, J.M-F**. 2017. Measuring multiple enzyme activities in one sample as soil health indicators of biogeochemical cycling [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 22-25, 2017, Tampa, FL. Available: <https://scisoc.confex.com/crops/2017am/webprogram/Paper106037.html>.
1759. Delgado, J.A., Weyers, S.L., Dell, C.J., Harmel, D., Vandenberg, B., Wilson, G., Carter, J., Barbour, N., Kleinman, P.J.A., Sistani, K.R., Leytem, A.B., Huggins, D., Strickland, T., Kitchen, N.R., Meisinger, J.J., Del Grosso, S.J., **Johnson, J.M-F**, Balkcom, K., Finley, J., Fukagawa, N., Powell, J.M., VanPelt, R.S. 2017. Nutrient uptake and outcome network (NUOnet): Connecting a wide range of natural resources conservation networks [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 22-25, 2017, Tampa, FL. Available: <https://scisoc.confex.com/crops/2017am/webprogram/Paper107431.html>.
1755. **Johnson, J.M.**, **Barbour, N.W.** 2017. Does soil C accrual under perennial grasses managed for bioenergy offset fertilizer induced N<sub>2</sub>O emission? [Abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 22-25, 2017, Tampa, FL. Available: <https://scisoc.confex.com/crops/2017am/webprogram/Paper105737.html>.
1740. **Johnson J.M.F.**, Jin V.L., Colnenne-David C., Stewart C.E., Jantalia C.P., Zhong, X., 2017. Row-crop production practices effects on greenhouse gas emissions. In: Al-kaisi, M., Lowery, B. (Eds.), *Soil health and intensification of agroecosystems*. Academic Press, San Diego, CA, pp. 257-275.
1747. **Johnson, J.M.**, Strock, J.S., Barbour, N.W., Tallaksen, J.E., Reese, M. 2017. Stover harvest impacts soil and hydrologic properties on three Minnesota farms. *Soil Science Society of America Journal*. 81:932-944. <https://doi.org/10.2136/sssaj2017.01.0007>.
1746. Weyers, S.L., Archer, D.W., Forcella, F., Gesch, R.W., **Johnson, J.M.** 2017. Can reducing tillage and increasing crop diversity benefit grain and forage production? *Renewable Agriculture and Food Systems*. <https://doi.org/10.1017/S1742170517000187>.
1745. Weyers, S.L., Archer, D.W., Forcella, F., Gesch, R.W., **Johnson, J.M.** 2017. Strip-tillage reduces productivity in organically managed grain and forage cropping systems in the Upper Midwest, USA. *Renewable Agriculture and Food Systems*. <https://doi.org/10.1017/S1742170517000084>.
1756. Weyers, S.L., Archer, D.W., **Johnson, J.M.**, Gesch, R.W., Forcella, F. 2017. Long-term productivity in traditional, organic and low-input management systems of the Upper Midwest [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 22-25, 2017, Tampa, FL. Available: <https://scisoc.confex.com/crops/2017am/webprogram/Paper105947.html>.
1730. **Johnson, J.M.F.**, Barbour, N.W. 2016. Nitrous oxide emission and soil carbon sequestration from herbaceous perennial biofuel feedstocks. *Soil Sci. Soc. Am. J.* 80:1057-1070.
1727. **Johnson, J.M.**, Strock, J.S., Tallaksen, J.E., Reese, M. 2016. Corn stover harvest changes soil hydrology and soil aggregation. *Soil & Tillage Research*. 161:106-115.
1703. Forcella, F., Eberle, C.A., Gesch, R.W., **Johnson, J.M.** 2015. Oilseed cuphea tolerates bromoxynil. *Industrial Crops and Products*. 70:201-203. <http://handle.nal.usda.gov/10113/60554>

1726. Gesch, R.W., Forcella, F., Papiernik, S.K., Eberle, C., Riedell, W.E., Lundgren, J.G., Nemecek, K.T., Weyers, S.L., **Johnson, J.M.**, Thom, M.D. 2015. Industrial oilseeds bolster "hub" crop yields when used in rotation [abstract]. Association for the Advancement of Industrial Crops. p. 19.
1706. **Gesch, R.W.** and **Johnson, J.M-F.** 2015. Water use in camelina-soybean dual cropping systems. *Agron. J.* 107(3):1098-1104. <http://handle.nal.usda.gov/10113/60946>
1701. Lehman, R.M., Acosta-Martinez, V., Buyer, J.S., Cambardella, C.A., Collins, H.P., Ducey, T.F., Halvorson, J.J., Jin, V.L., **Johnson, J.M-F.**, Kremer, R.J., Lundgren, J.G., Manter, D.K., Maul, J.E., Smith, J.L. and Stott, D.E. 2015. Soil biology for resilient, healthy soil. *Journal of Soil and Water Conservation* 70(1): 12A-18A.
1707. Mueller, S., Unnasch, S., Tyner, W., Pont, J., **Johnson, J.M.** 2015. Handling of co-products in life cycle analysis in an evolving co-product market: A case study with corn stover removal. *Advances in Applied Agricultural Science.* 3(5):8-21. <http://handle.nal.usda.gov/10113/61089>
1710. Thapa, R., Chatterjee, A., **Johnson, J.M.**, Awale, R. 2015. Stabilized nitrogen fertilizers and application rate influence nitrogen losses under rainfed spring wheat. *Agronomy Journal.* 107(5):1885-1894. DOI:10.2134/aj15.0081. <http://handle.nal.usda.gov/10113/61118>
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.
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. 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>
1661. **Johnson, J.M.**, Gresham, G.L. 2014. Do yield and quality of big bluestem and switchgrass feedstock decline over winter? *BioEnergy Research.* 7(1): 68-77. DOI: 10.1007/s12155-013-0349-9. <http://handle.nal.usda.gov/10113/58337>
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](http://www.mdpi.com/journal/agriculture). 4:274-287. <http://handle.nal.usda.gov/10113/59995>
1695. **Johnson, J.M-F.** and Liebigh, 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 Res.* 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.
1672. Lehman, R.M., Ducey, T.F., Jin, V.L., Acosta-Martinez, V., Ahlschwede, C.M., Jeske, E.S., Drijber, R.A., Cantrell, K., Frederick, J.R., Fink, D.M., Osborne, S.L., Novak, J.M., **Johnson, J.M.F.** and Varvel, G.E. 2014. Soil microbial community response to corn stover harvesting under rain-fed, no-till conditions at multiple us locations. *BioEnergy Research*, 1-11. DOI: 10.1007/s12155-014-9417-9 2014.
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.
1643. Dalzell, B.J., **Johnson, J.M.**, Tallaksen, J., Allan, D.L., **Barbour, N.W.** 2013. Simulated impacts of crop residue removal and tillage on soil organic matter maintenance. *Soil Science Society of America Journal.* 77(4):1349-1356. <http://handle.nal.usda.gov/10113/57059>
1644. Del Grosso, S.J., White, J.W., Wilson, G., Vandenberg, B.C., Karlen, D.L., Follett, R.F., **Johnson, J.M.**, Franzluebbers, A.J., Archer, D.W., Gollany, H.T., Liebigh, M.A., Ascough II, J.C., Reyes-Fox, M.A., Starr, J.L., Barbour, N.W., Polunsky, R.W., Gutwein, M., James, D.E., Pellack, L.S. 2013. Introducing the GRACEnet/REAP data contribution, discovery and retrieval system. *Journal of Environmental Quality.* 42:1274-1280. DOI: 10.2134/jeq2013.03.0097.
1665. **Gesch, R.W.**, **Johnson, J.M.** 2013. Water use in a winter camelina – soybean double crop system. Meeting Abstract. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 3-6, 2013, Tampa, FL. Available: <https://scisoc.confex.com/scisoc/2013am/webprogram/Paper79418.html>.
1631. **Johnson, J.M.**, Acosta Martinez, V., Cambardella, C.A., **Barbour, N.W.** 2013. Crop and soil responses to using corn stover as a bioenergy feedstock: Observations from the Northern US Corn Belt. *Agriculture.* 3:72-89.
1664. **Johnson, J.M.** and Barbour, N.W. 2013. Big bluestem and switchgrass feedstock harvest timing: Nitrous oxide response to feedstock harvest timing [abstract]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 3-6, 2013, Tampa, FL. Available: <https://scisoc.confex.com/scisoc/2013am/webprogram/Paper78862.html>.
1624. **Johnson, J.M.**, Gesch, R.W. 2013. Calendula and camelina response to nitrogen fertility. *Industrial Crops and Products.* 43:684-691.
1647. **Weyers, S.L.**, **Johnson, J.M-F.** and Archer, D.W. 2013. Assessment of multiple management systems in the Upper Midwest. *Agronomy Journal* 105(6):1665-1675.

1634. Wienhold, B.J., Varvel, G.E., **Johnson, J.M.**, Wilhelm, W.W. 2013. Carbon source quality and placement effects on soil organic carbon status. *BioEnergy Research*. 6:786-796. DOI: 10.1007/s12155-013-9301-z. <http://handle.nal.usda.gov/10113/56456>
1641. Archer, D.W. and **J.M.F. Johnson**. 2012. Evaluating local crop residue biomass supply: Economic and environmental impacts. *Bioenerg. Res.* 5(3): 699-712. DOI: 10.1007/s12155-012-9178-2.
1612. Cambardella, C.A., **Johnson, M.F.**, Varvel, G.E. 2012. Soil carbon sequestration in Central U.S. agroecosystems. In: Liebig, M.A., Franzluebbers, A.J., Follett, R.F., editors. *Managing Agricultural Greenhouse Gases: Coordinated Agricultural Research through GRACEnet to Address Our Changing Climate*. New York: Elsevier. p. 41-58.
1641. Campbell, E.E., **Johnson, J.M.F.**, Jin, V.L., Varvel, G.E., Adler, P.R. and Paustian, K. 2012. Using DAYCENT to model the soil impacts of harvesting corn stover for bioenergy. 2012 Sun Grant Conference. p. 27.
1668. Jin, V.L., Baker, J.M., Johnson, J.M., Karlen, D.L., Lehman, R.M., Osborne, S.L., Sauer, T.J., Stott, D.E., Varvel, G.E. and Venterea, R.T. 2012. Greenhouse gas fluxes in response to corn stover harvest. *Proceedings of the Sun Grant National Conference. Science for Biomass Feedstock Production and Utilization, October 2-5, 2012, New Orleans, Louisiana*. Available: <http://sungrant.tennessee.edu/NatConference/ConferenceProceedings/>.
1637. Campbell, E.E., **Johnson, J.M.**, Jin, V.L., Varvel, G.E., Adler, P.R., Paustian, K. 2012. Using DAYCENT to model the soil impacts of harvesting corn stover for bioenergy. In: *Proceedings of the Sun Grant National Conference. Science for Biomass Feedstock Production and Utilization, October 2-5, 2012, New Orleans, LA*. Available: [www.sungrant.tennessee.edu/NatConference](http://www.sungrant.tennessee.edu/NatConference).
1616. **Johnson, J.M.** and N.W. Barbour. 2012. Crop productivity and soil resilience observed on short-term corn stover or cob harvest on several northern soils [abstract]. *ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 21-24, 2012, Cincinnati, OH*. [View](#)
1611. **Johnson, J.M.**, Novak, J.M. 2012. Sustainable bioenergy feedstock production systems: Integrating carbon dynamics, erosion, water quality, and greenhouse gas production. In: Liebig, M.A., Franzluebbers, A.J., Follett, R.F., editors. *Managing Agricultural Greenhouse Gases: Coordinated Agricultural Research through GRACEnet to Address Our Changing Climate*. New York: Elsevier. p. 111-126. [View](#)
1626. **Johnson, J.M.F.**, Varvel, G.E., Stott, D.E., Osborne, S., Novak, J.M., Karlen, D.L., Lamb, J.A. and Baker, J. 2012. Corn stover management effects on soil organic carbon contents from several U.S. locations. 2012 Sun Grant Conference. p. 40. [View](#)
1636. **Johnson, J.M.**, Varvel, G.E., Stott, D.E., Osborne, S.L., Novak, J.M., Karlen, D.L., Lamb, J., Baker, J.M. 2012. Corn stover management on soil organic carbon contents from several U.S. locations. *Proceedings Sun Grant National Conference. Science for Biomass Feedstock Production and Utilization, October 2-5, 2012, New Orleans, LA*. Available: [www.sungrant.tennessee.edu/NatConference](http://www.sungrant.tennessee.edu/NatConference).
1610. **Johnson, M-F.**, Weyers, S., Archer, D.W., Barbour, N.W. 2012. Nitrous oxide, methane emission, and yield-scaled emission from organically and conventionally managed systems. *Soil Sci. Soc. Am. J.* 76:1347-1357. [View](#)
1639. Osborne, S.L., **Johnson, J.M.F.**, Jin, V.L., Varvel, G.E. and Schumacher, T.E. 2012. Regional partnership corn stover management effects on soil aggregation and physical properties. 2012 Sun Grant Conference. p. 49-50.
1617. Stott, D.W., V.L. Jin, T.F. Ducey, D. Karlen, G.E. Varvel, **J.M. Johnson**, J.M. Baker, S. Osborne, J. Novak, P.R. Adler, G.W. Roth, and S.J. Birrell. 2012. Influence of corn stover harvest on soil quality assessments at multiple locations across the U.S. [abstract]. *ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 21-24, 2012, Cincinnati, OH*. [View](#)
1640. Stott, D.E., Jin, V.L., Ducey, T.F., Karlen, D.L., Varvel, G.E., **Johnson, J.M.F.**, Baker, J.M., Osborne, S.L., Novak, J.M., Adler, P.R., Roth, G.W. and Birrell, S.J. 2012. Influence of corn stover harvest on soil quality assessments at multiple locations across the U.S. 2012 Sun Grant Conference. p. 40.
1581. **Johnson, J.M.F.**, D.W. Archer, D.L. Karlen, S.L. Weyers, and W.W. Wilhelm. 2011. Soil management implications of producing biofuel feedstock. p. 371-390. In J. Hatfield and T. Sauer (eds.) *Soil management: Building a stable base for agriculture*. American Society of Agronomy Series. American Society of Agronomy and Soil Science Society of America, Madison, WI.
1588. **Johnson, J. M-F.**, D.W. Archer, S.L. Weyers, and N.W. Barbour. 2011. Do mitigation strategies reduce global warming potential in the northern U.S. Corn Belt? *J. Environ. Quality* 40:1551-1559.
1590. **Johnson, J.M.**, F.J. Arriaga, G.M. Banowetz, D.R. Huggins, D. Laird, M.J. Ottman, and B.J. Wienhold. 2011. Crop residues of the contiguous United States: Balancing feedstock and soil needs with conservation tillage, cover crops, and biochar. In: Braun, R., Karlen, D., Johnson, D., editors. *Sustainable Alternative Fuel Feedstock Opportunities, Challenges and Roadmaps for Six U.S. Regions*. Ankeny, IA: Soil and Water Conservation Society. Available: [www.swcs.org/roadmap](http://www.swcs.org/roadmap)
1602. **Johnson, J.M.** and N. Barbour. 2011. Yield response to corn stover harvest in the northern Corn Belt [abstract] [CD-ROM]. *ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 16-19, 2011, San Antonio, TX*. [View](#)
1589. **Johnson, J.M-F.**, and T. Didreckson. 2011. Best management practices: Managing cropping systems for soil protection and bioenergy production [CD-ROM]. In Rasmussen, L., editor. *Biomass Gasification: A Comprehensive Demonstration of a Community-Scale Biomass Energy System. Final Report to the USDA Rural Development Grant 68-3A75-5-232*. Morris, Minnesota. [View](#)
1601. **Johnson, J.M.**, S.L. Weyers, D.W. Archer and N.W. Barbour. 2011. Greenhouse gas emission from two cropping systems in the northern Corn Belt [abstract] [CD-ROM]. *ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Oct. 16-19, 2011, San Antonio, TX*. [View](#)
1586. Karlen, D.L., G.E. Varvel, **J.M-F Johnson**, J.M. Baker, S.L. Osborne, J.M. Novak, P.R. Adler, G.W. Roth and S.J. Birrell. 2011. Monitoring soil quality to assess the sustainability of harvesting corn stover. *Agron. J.* 103(1):288-295. ([579 K](#))
1561. Wilhelm, W.W., **Johnson, J.M.**, Lightle, D., Karlen, D.L., Novak, J.M., Barbour, N.W., Laird, D.A., Baker, J.M., Ochsner, T.E., Halvorson, A.D., Archer, D.W., Arriaga, F.J. 2011. Vertical distribution of corn stover dry mass grown at several U.S. locations. *BioEnergy Research*. 4(1):11-21. [View](#)

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.
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.
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.
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. Available as [PDF](#).
1520. **Johnson, J.M.**, Papiernik, S.K, Mikha, M.M., Spokas, K.A., Tomer, M.D., Weyers, S.L. 2010. Soil Processes and Residue Harvest Management. In: Lal, R., Stewart, B.A., editors. Soil Quality and Biofuel Production. Advances in Soil Science. Boca Raton, FL: CRC Press. p. 1-44. ([3006 K](#))
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.
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](#))
1504. DeJong-Hughes, J., and **J.M.F. Johnson**. 2009. Is deep zone tillage agronomically viable in Minnesota? Online. *Crop Management* [doi:10.1094/CM-2009-0723-01-RS](https://doi.org/10.1094/CM-2009-0723-01-RS).
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](#))
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](#))
1527. **Johnson, J.** and D.L. Karlen. 2009. Advancing biofuels: Balancing for sustainability [abstract]. *American Chemical Society.* 77:122.
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](#))
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 multi-location approach [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. Nov. 1-5, 2009, Pittsburgh, PA.
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.
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.
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](#))
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.
1426. Archer, D.W. A.A. Jaradat, **J.M-F. Johnson**, S. Lachnicht Weyers, R.W. Gesch, F. Forcella, and H.K. Kludze. 2007. Crop Productivity and Economics during the Transition to Alternative Cropping Systems. *Agronomy Journal* 99:1538-1547. ([134 K](#))

1436. Franzluebbbers, A.J. and **J. Johnson**. 2007. Crop residues: A resource for whom? American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1435. Jaradat, A., **J. Johnson**, S. Weyers and N. Barbour. 2007. Dynamics of crop residue composition-decomposition: Temporal modeling of multivariate carbon sources and processes. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1422. **Johnson, J.M-F**. 2007. Biomass production and soil carbon. Soil Quality: The Foundation for Natural Resource Conservation Abstracts. Soil and Water Conservation Society. P. 10. [PDF: 13 K](#).
1433. **Johnson, J.**, D. Archer and N. Barbour. 2007. Three years of greenhouse gas flux from contrasting management scenarios in the northern Corn Belt. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1374. **Johnson, J.M.**, N.W. Barbour, and S.L. Lachnicht Weyers. 2007. Chemical composition of crop biomass impacts its decomposition. Soil Sci. Soc. of Am. J. 71(1):155-162. ([552 K](#))
1413. **Johnson, J. M-F.**, M.D. Coleman, R. Gesch, A. Jaradat, R. Mitchell, D. Reicosky, W.W. Wilhelm. 2007. Biomass-Bioenergy crops in the United States: A changing paradigm. The Americas Journal of Plant Science and Biotechnology. 1(1): 1-28. [PDF: 1,257 K](#).
1427. **Johnson, J.M.**, A.J. Franzluebbbers, S.L. Lachnicht Weyers, D.C. Reicosky. 2007. Agricultural opportunities to mitigate greenhouse gas emissions. Environmental Pollution. 150:107-124. ([615 K](#))
1402. **Johnson, J.M.**, B.S. Sharratt, D.C. Reicosky, and M.J. Lindstrom, 2007. Impact of high-lignin fermentation byproduct on soils with contrasting soil organic carbon content. Soil Science Society of America Journal. 71(4):1151-1159. ([543 K](#))
1434. **Johnson, J.** and W.W. Wilhelm. 2007. Can we balance biomass harvest for bioenergy and protecting soil quality? American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1411. Karlen, D.L., **J.M. Johnson**, W.W. Wilhelm, and R.F. Follet. 2007. Balancing crop biomass for bioenergy and conservation. Soil and Water Conservation Society, Ankeny, IA. p. 64. [PDF: 98 K](#).
1437. Wilhelm, W.W., **J. M.F. Johnson**, D.L. Karlen and D.T. Lightle. 2007. Corn stover to sustain soil organic carbon further constrains biomass supply. Agron. J. 99:1665-1667. ([108 K](#))
1432. Wilhelm, W.W., **J. Johnson**, D. Karlen and D. Lightle. 2007. Soil carbon needs limit biomass ethanol feedstock supply. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1337. Franzluebbbers, A.J., R.F. Follett, **J. M-F Johnson**, M.A. Liebig, E.G. Gregorich, T.B. Parkin, J.L. Smith, S.J. Del Grosso, M.D. Jawson and D.A. Martens. 2006. Agricultural exhaust: A reason to invest in soil. J. Soil Water Conserv. 61(3):98-101. [PDF: 331 K](#)
1406. Jaradat, A.A., **Johnson, J.M.**, Karlen, D.L., Wilhelm, W.W. 2006. Sustainable Production of Crop Residue as a Cellulosic Ethanol Feedstock: REAP – Renewable Energy Assessment Project sponsored by USDA & DOE. Oct 10-12 2006, St Louis, MO. Meeting Abstract.
1322. **Johnson, J. M-F**, R.R. Allmaras and D.C. Reicosky. 2006. Estimating source carbon from crop residues, roots and rhizodeposits using the national grain-yield database. Agron. J. 98:622-636. ([216 K](#))
1357. **Johnson, J.M.**, R.R. Allmaras, D.C. Reicosky. 2006. Minimum C inputs and sustainability of biomass harvest [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. November 12-16, 2006, Indianapolis, IN. [PDF: 38 K](#)
1345. **Johnson, J.M.**, D.C. Reicosky, R.R. Allmaras, D.W. Archer, W.W. Wilhelm. 2006. A matter of balance: Conservation and renewable energy. Journal of Soil and Water Conservation Society 61(4):120A-125A. ([1,992 K](#))
1358. Lachnicht Weyers, S.L., **J.M. Johnson**, A.E. Olness, C.E. Clapp, A.R. Wilts, J.L. Rinke, N.W. Barbour. 2006. Tracking N use efficiency with <sup>15</sup>N labeling of corn [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. November 12-16, 2006, Indianapolis, IN. [PDF: 36 K](#)
1321. Liebig, M., L. Carpenter-Boggs, **J.M-F Johnson**, S. Wright and N. Barbour. 2006. Cropping system effects on soil biological characteristics in the Great Plains. Renewable Agriculture and Food Systems 21(1):36-48. [PDF: 266 K](#)
1363. Pikul Jr., J.L., G. Chilom, J. Rice, A. Eynard, T. Schumacher, K. Nichols, **J. Johnson**, S. Wright, T. Caesar-Tonthat, and M. Ellsbury. 2006. Soil aggregate stability and components of organic matter affected by tillage [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. November 12-16, 2006, Indianapolis, IN. [PDF: 38 K](#)
1364. Wilhelm W.W., G.E. Varvel, D. Karlen, **J. M.-F. Johnson**, and J. Baker. 2006. Crop residue as feedstock for the new bioeconomy: Opportunities and roadblocks [abstract] [CD-ROM]. ASA-CSSA-SSSA Annual Meeting Abstracts. ASA-CSSA-SSSA Annual Meeting. November 12-16, 2006, Indianapolis, IN. [PDF: 38 K](#)
1334. Franzluebbbers, A.J., R.F. Follett, E.G. Gregorich, **J.M. Johnson**, M.A. Liebeg, D.A. Martens, S.J. Del Grosso, M.D. Jawson. 2005. Greenhouse gas contributions and mitigation potential in agricultural regions of North America [abstract]. Third USDA Symposium on Greenhouse Gases & Carbon Sequestration in Agriculture and Forestry. 21-24 March 2005, Baltimore, Maryland. Available: [http://soilcarboncenter.k-state.edu/conference/Poster\\_Presentations.htm](http://soilcarboncenter.k-state.edu/conference/Poster_Presentations.htm)
1275. Jaradat, A.A., D.W. Archer, **J. Johnson**, S. VanKempen, S. Wagner and J. Eklund. 2005. Sampling strategies for crop yield assessment within and among crop rotations. Proc. 7th Intl. Conf. Precision Agriculture, July 25-28, 2004, Minneapolis, MN. 16 pp. [PDF: 155 K](#)
1293. **Johnson, J. M-F**, D.W. Archer, N.W. Barbour and J.J. Eklund. 2005. Greenhouse gas emission from contrasting management scenarios in the northern Midwest. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI. [PDF: 17 K](#)
1243. **Johnson, J.**, D. Archer, N.W. Barbour and J. Eklund. 2005. Preliminary observations of greenhouse gas emission from contrasting management scenarios in the northern Midwest. Proc. Third USDA Symposium on Greenhouse Gases and Carbon Sequestration in Agriculture and Forestry, Baltimore, MD. p. 136. [PDF: 79K](#)
1274. **Johnson, J.M-F**, D.C. Reicosky, R.R. Allmaras, T.J. Sauer, R.T. Venterea and C.J. Dell. 2005. Greenhouse gas contributions and mitigation potential of agriculture in the central USA. Soil Tillage Res. 83:73-94. ([317 K](#))

1294. **Johnson, J.M-F.**, D.C. Reicosky, R.T. Venterea and D.E. Stott. 2005. Managing for mitigation of greenhouse gases and carbon sequestration in the Midwest. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI. [PDF: 17 K](#)
1301. King, J.Y., D. Allan, J.S. Strock, J.C. Bell, **J. MF Johnson**, H. VanVleck, S. Abreu and K. Piotrowski. 2005. Investigating C and N dynamics using stable isotope tracers in corn. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI. [PDF: 50 K](#)
1302. Lachnicht Weyers, S., D. Archer, **J. Johnson**, A. Wilts, N. Barbour and J. Eklund. 2005. Microbial dynamics in conventional and organic managed systems. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI. [PDF: 141 K](#)
1241. Lachnicht, S.L., D.W. Archer, **J. Johnson**, A. Wilts, N. Barbour and J. Eklund. 2005. Use of FAME to distinguish management effects in conventional and organic farming systems. Soil Ecology Society Abstract. SES, Argonne, IL. p. 63. [PDF: 43 K](#)
1263. Pikul, J.L., Jr.,**J.M.F. Johnson**, S. Wright, T-C Caesar and M. Ellsbury. 2005. Soil organic matter and aggregate stability affected by tillage. p. 243-258. In E.A. Ghabbour and G. Davies (ed.) Humic substances: Molecular details and applications in land and water conservation. Taylor and Francis, Inc, New York. [\(5005 K\)](#)
1098. Dieterman, John J.,**J. Johnson** and N. Carpenter. 2004. Optimizing trace gas storage methods in agroecosystem studies. University of Minnesota-Morris Undergraduate Research Symposium. P. 6. [PDF: 1,114 K](#)
1299. Jaradat, A.A., D.W. Archer, **J. Johnson**, S. VanKempen and J. Eklund. 2004. Pattern and factor analyses of diverse plant and yield attributes' responses to alternative crop rotations and management practices. Proc. 4th Intl. Crop Sci. Congress, Brisbane, Australia. [CD-ROM computer file] 5 p.
1188. Jaradat, A.A., D.W. Archer, **J.M-F Johnson**, S. VanKempen, S.W. Wagner, and J.J. Eklund. 2004. Pattern and factor analyses of diverse plant and yield attributes' response to alternative crop rotations and management practices. Proc. 4th Intl. Crop Sci. Congress, Brisbane, Australia. p. 152.
1104. Jaradat, A.A., D. Archer, **J. Johnson**, S. VanKempen, S. Wagner and J. Eklund. 2004. Sampling strategies for crop yield assessment within and among crop rotations. Proc. 7th Intl. Con. Precision Ag. p. 223.
1187. **Johnson, J.** 2004. Soil microbial communities and early season corn growth. Proc. Indiana Crop Adviser Conf., Indianapolis, IN. 8 p. [CD-ROM]
1247. **Johnson, J.M.F.**, D. Archer, S. Lachnicht, N.W. Barbour, J. Eklund and A. Wilts. 2004. Comparison of soil biological indicators during three year transition from conventional to alternative and organic cropping systems. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1266. **Johnson, J.M.F.**, A.A. Jaradat, N.W. Barbour and S. VanKempen. 2004. Inter and intra specific variation for lignin content in roots of annual Medicago spp. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1055. **Johnson, J.M.F.**, D. Reicosky, B. Sharratt, M. Lindstrom, W. Voorhees and L. Carpenter-Boggs. 2004. Characterization of soil amended with the by-product of corn stover fermentation. Soil Sci. Soc. Am. J. 68:139-147. [PDF: 104 K](#)
1265. **Johnson, J.M-F**, W.W. Wilhelm, J.L. Hatfield, and W. Voorhees. 2004. T-values, corn stover removal and sustained productivity. Soil Water Conserv. Soc. Abstract.
1101. Kern, C.C., A.L. Friend, **J.M-F Johnson** and M.D. Coleman. 2004. Fine root dynamics in a developing Populus deltoides plantation. Tree Physiology 24: 651-660. [PDF: 2,341 K](#)
1264. Pikul, Jr., J., **J. Johnson**, M. Ellsbury, S. Wright, and T-C Caesar. 2004. Aggregate stability and associated properties of soil under "new management" in eastern South Dakota. Soil Water Conserv. Soc. Abstract. [PDF: 16 K](#)
1235. Reicosky, D.C., R.R. Allmaras, T.J. Sauer, R.T. Venterea, C.J. Dell and **J.M.F. Johnson**. 2004. Greenhouse contributions and mitigation potential in Centra USA agricultural regions of North America. American Society of Agronomy Abstract. [CD-ROM computer file] ASA, Madison, WI.
1099. Vlaminck, S., **J. Johnson** and N. Carpenter. 2004. Development of a method for testing nitrous oxide flux. University of Minnesota-Morris Undergraduate Research Symposium. p. 27. [PDF: 1,116 K](#)
1079. Wilhelm, W.W., **J.M.F. Johnson**, J.L. Hatfield, W.B. Voorhees and D.R. Linden. 2004. Crop and soil productivity response to corn residue removal: A literature review. Agron. J. 96(1):1-17. [PDF: 250 K](#)
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: 34 K](#)
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: 176 K](#)
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.
1178. Gesch, R.W.,**J.M-F Johnson**, D.C. Reicosky and M. Gallo-Meagher. 2003. Carbohydrate source: Sink balance and photosynthetic acclimation in maize under cold growth temperatures. American Society of Agronomy Abstract. C02-gesch168563-poster [CD-ROM computer file] ASA, Madison, WI.
1049. Jaradat, A.A., **J. Johnson**, S. VanKempen and N. Barbour. 2003. Annual medics (MEDICAGO SPP.) can help develop sustainable agriculture in the upper Midwest. J. MN Acad Sci. 67(1):27-28. [PDF: 4,940 K](#)
1045. **Johnson, J.** 2003. Solutions for growing problems: Agriculture, conservation and environment. J. MN Acad. Sci. 67(1):26. [PDF: 6,786K](#)
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: 5,884 K](#)
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.
1070. **Johnson, J. M-F**, R. Gesch and N. Barbour. 2003. Phenology and biochemical composition of switchgrass (C4) and wheat (C3) grown at contrasting temperatures. Plant Biology. p. 45.

1048. **Johnson, J.**, D. Reicosky, B. Sharratt, M. Lindstrom and W. Voorhees. 2003. Corn stover as a biofuel. *J. MN Acad Sci.* 67(1):27. [PDF: 8,375 K](#)
1067. **Johnson, J.**, D. Reicosky, B. Sharratt, M. Lindstrom and W. Voorhees. 2003. Corn stover as a biofuel. [CD-ROM computer file] Minnesota Academy of Science, St. Paul. 16 p. [PDF: 104 K](#)
1078. **Johnson, J.M.**, W.W. Wilhelm, J.L. Hatfield, W.B. Voorhees and D. Linden. 2003. Impact of corn residue removal on crop and soil productivity. *Eos Trans. AGU*, 84(46), Fall Meet. Suppl., Abstract B51B-03.
1190. Liebig, M., L. Carpenter-Boggs, **J.M-F Johnson**, S. Wright and N. Barbour. 2003. Cropping system effects on soil biological characteristics in the Great Plains. American Society of Agronomy Abstract. S06-wright569424-poster [CD-ROM computer file] ASA, Madison, WI.
1075. Liebig, M., L. Carpenter-Boggs, **J.M-F Johnson**, S. Wright and N. Barbour. 2003. Soil biological characteristics of contrasting cropping systems in the Great Plains: Summary of preliminary findings. p. 210-214. In: Hanson, J.D. and J.M. Krupinsky (eds.), *Proceedings of the Dynamic Cropping Systems: Principles, Processes, and Challenges*. Bismarck, ND.
1191. Pikul, Jr., J.L, S. Wright, **J. Johnson**, T. Caesar and M. Ellsbury. 2003. Tillage effects on distribution of organic matter among soil aggregate classes. American Society of Agronomy Abstract. S06-pikuljr.442516-oral [CD-ROM computer file] ASA, Madison, WI.
1046. Ruther, N, N. Barbour and **J. Johnson**. 2003. Decomposition and composition analysis of sibling BT corn and non BT corn. *J. MN Acad Sci.* 67(1):27. [PDF: 2,476K](#)
1076. Ruther, N., N.W. Barbour and **J. Johnson**. 2003. Decomposition and composition analysis of sibling BT and Non BT corn. [CD-ROM computer file] Minnesota Academy of Science, St. Paul. 13 p. [PDF: 54 K](#)
1033. Uhde-Stone, Claudia, Glenna Gilbert, **Jane M-F Johnson**, Ralph Litjens, Kelly E. Zinn, Stephen J. Temple, Carroll P. Vance and Deborah L. Allan. 2003. Acclimation of white lupin to phosphorus deficiency involves enhanced expression of genes related to organic acid metabolism. *Plant and Soil* 248: 99-116. [PDF: 16M](#)
1002. **Johnson, J. M-F**, Barbour, N W. 2002. Biochemical composition and decomposition among several C3 and C4 species. American Society of Plant Biology Annual Meeting. Denver CO. August 3-7, 2002, (poster). <http://abstracts.aspb.org/pb2002/public/P34/0112.html>
1192. **Johnson, J.M-F** and N.W. Barbour. 2002. Residue composition and decomposition of shoots and roots among C3 and C4 species. American Society of Agronomy Abstract. S03-johnson143205-Poster [CD-ROM computer file] ASA, Madison, WI.
1179. **Johnson, J.M-F**, D. Reicosky, M. Lindstrom, B. Sharratt, W. Voorhees. 2002. Residue of corn stover ethanol production as a soil amendment. American Society of Agronomy Abstract. S03-johnson134523-Poster [CD-ROM computer file] ASA, Madison, WI.
1193. Allan, D.L., **J.F. Johnson**, J.D. Knight and C.P. Vance. 1996. Mechanisms to support citrate exudation from white lupin proteoid roots. *Agron. Abstr.* p. 207.
1195. **Johnson, J.F.**, D.L. Allan and C.P. Vance. 1996. Root carbon dioxide fixation by phosphorus-deficient *Lupinus albus*. *Plant Physiol.* 112:19-30.
1194. **Johnson, J.F.**, C.P. Vance and D.L. Allan. 1996. Phosphorus deficiency in *Lupinus albus*. *Plant Physiol.* 112:31-41.
1196. **Johnson, J.F.**, D.L. Allan and C.P. Vance. 1994. Phosphorus stress-induced proteoid roots show altered metabolism in *Lupinus albus*. *Plant Physiol.* 104:657-665.
513. Dolan, M.S., R.H. Dowdy, W.B. Voorhees, **J.F. Johnson** and A.M. Bidwell-Schrader. 1992. Corn phosphorus and potassium uptake in response to soil compaction. *Agron. J.* 84(4):639-642.
471. **Johnson, J.F**, W.B. Voorhees, W.W. Nelson, and G.W. Randal. 1990. Soybean growth and yield as affected by surface and subsoil compaction. *Agron. J.* 82(5):973-979.
1197. **Johnson, J.F.**, W.B. Voorhees, W.W. Nelson and G.W. Randall. 1989. Soybean growth as affected by surface and subsoil compaction. *Agron. Abstr.* p. 135.
461. Voorhees, W.B., **J.F. Johnson**, G.W. Randall, and W.W. Nelson. 1989. Corn growth and yield as affected by surface and subsoil compaction. *Agron. J.* 81(2):294-303.
462. Wagner, S.W., **J.F. Johnson**, and W.B. Voorhees. 1989. A portable field data logger-penetrometer interface. *Computers and Electronics in Agriculture.* 3:255-261.
447. Voorhees, W.B., **J.F. Johnson**, and G.W. Randall. 1988. Maize growth and yield as affected by subsoil compaction and deep tillage. 1:335-340. In: *Proc. 11th Conf. Intl. Soil Tillage Res. Org.*, Edinburgh.
385. **Johnson, J. F.**, W.B. Voorhees, and G.W. Randall. 1986. Subsoiling effects on soil penetration resistance and yield of corn (*Zea mays* L.). *Agron. Abstr.* P. 244.
398. Voorhees, W. B., **J.F. Johnson**, G.W. Randall, and W.W. Nelson. 1986. Effect of subsoiling compaction on growth and yield of corn (*Zea mays* L.). *Agron. Abstr.* p. 255.