References

- Adeli, A., H. Tewolde, and J.N. Jenkins. 2012. Broiler Litter Type and Placement Effects on Corn Growth, Nitrogen Utilization, and Residual Soil Nitrate-Nitrogen in a No-Till Field. Agronomy Journal 104(1): 43-48.
- Appelo, C.A.J., Postma, D. 2010. Flow and Transport. *In* Geochemistry, Groundwater and Pollution, 2nd edition. A.A. Balkema Publishers.
- Ashford, D.L., and D.W. Reeves. 2003. Use of a mechanical roller-crimper as an alternative kill method for cover crops. American Journal of Alternative Agriculture 18(1): 37-45.
- Bedoussac, L., and E. Justes. 2010. Dynamic analysis of competition and complementarity for light and N use to understand the yield and the protein content of a durum wheat—winter pea intercrop. Plant and Soil 330(1-2): 37-54.
- Clark, A.J., A.M. Decker and J.J Meisinger. 1994. Seeding Rate and Kill Date Effects on Hairy Vetch-Cereal Rye Cover Crop Mixtures for Corn Production. Agronomy Journal 86: 1065-1070.
- Clark, A.J., A.M. Decker, J.J. Meisinger, and M.S. Mcintosh. 1997. Kill Date of Vetch, Rye, and a Vetch-Rye Mixture: I. Cover Crop and Corn Nitrogen. Agronomy Journal 89: 427-434.
- Connolly, J. 2011. On Difficulties with Replacement-Series Methodology in Mixture Experiments. Journal of Applied Ecology 23(1): 125-137.
- de Wit, C.T. 1960. On Competition. Verslagen van Landbowwkundige Onderzoekingen 66: 1-82.
- Everaarts, A.P. 1992. Response of weeds to the method of fertilizer application on low-fertility acid soils in Suriname. Weed Research 32: 391-397.
- Hall, R.L. 1974. Analysis of the Nature of Interference between Plants of Different Species . I Concepts and Extension of the de Wit Analysis to Examine Effects. Australian Journal of Agricultural Research 25: 739-747.
- Hauggaard-Nielsen, H., and E. Jensen. 2001. Evaluating pea and barley cultivars for complementarity in intercropping at different levels of soil N availability. Field Crops Research 72(3): 185-196.
- Hayden, Z., M. Ngouajio and D. Brainard. 2014. Rye-vetch mixture proportion tradeoffs: Cover crop productivity, nitrogen accumulation, and weed suppression. Agronomy Journal (accepted).

- Honeycutt, C.W., L.M. Zibilske, and W.M. Clapham. 1988. Heat Units for Describing Carbon Mineralization and Predicting Net Nitrogen Mineralization. Soil Science Society of America Journal 52:1346-1350.
- Karpenstein-Machan, M., and R. Stuelpnagel. 2000. Biomass yield and nitrogen fixation of legumes monocropped and intercropped with rye and rotation effects on a subsequent maize crop. Plant and Soil 218: 215-232.
- Keating, B.A., Carberry, P.S. 1993. Resource capture and use in intercropping: solar radiation. Field Crops Research 34: 273-301.
- Kleinman, P.J.A. 2009. Direct incorporation of poultry litter into no-till soils to minimize nutrient runoff to Chesapeake Bay. NOAA/UNH Cooperative Insistute for Coastal and Estuarine Environmental Technology, Durham, NH.
- Kuo, S., and E.J. Jellum. 2002. Influence of Winter Cover Crop and Residue Management on Soil Nitrogen Availability. Agronomy Journal 94: 501-508.
- Kuo, S., U.M. Sainju, and E.J. Jellum. 1997. Winter Cover Cropping Influence on Nitrogen in Soil. Soil Science Society of America Journal 61: 1392-1399.
- Mirsky, S.B., W.S. Curran, D.A. Mortenson, M.R. Ryan and D.L. Shumway. 2009. "Control of cereal rye with a roller/crimper as influenced by cover crop phenology." Agronomy Journal 101(6): 1589-1596.
- Mischler, R. A., W.S. Curran, S.W. Duiker, and J. A. Hyde. 2010a. Use of a Rolled-rye Cover Crop for Weed Suppression in No-Till Soybeans. Weed Technology 24(3): 253-261.
- Mischler, R., S.W. Duiker, W.S. Curran, and D. Wilson. 2010b. Hairy Vetch Management for No-Till Organic Corn Production. Agronomy Journal 102(1): 355.
- Mohler, C.L, and J.R. Teasdale. 1993. Light transmittance, soil temperature, and soil moisture under residue of hairy vetch and rye. Agronomy Journal 85: 673-680.
- Parr M., J.M. Grossman, S.C. Reberg-Horton, C. Brinton, and C. Crozier. 2011. Nitrogen Delivery from Legume Cover Crops in No-Till Organic Corn Production. Agronomy Journal 103: 1578-1590.
- Pote, D.H., T.R. Way, K.R. Sistani and P.A. Moore Jr. 2009. Water quality effects of mechanized subsurface banding technique for applying poultry litter to perennial grassland. Journal of Environmental Management 90(11): 3534-3539.
- Pote, D.H., T.R. Way, P.J. A. Kleinman, P.A. Moore, J.J. Meisinger, K.R. Sistani, L.S. Saporito, A.L. Allen, and G.W. Feyereisen. 2011. Subsurface Application of Poultry Litter in Pasture and No-Till Soils. Journal of Environmental Quality 40: 402-411.

- Pote, D.H., and J.J. Meisinger. 2014. Effect of poultry litter application method on ammonia volatilization from a conservation tillage system. Journal of Soil and Water Conservation 69(1): 17-25.
- R Development Core Team 2014. R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria.
- Ranells N.N. and M.G. Wagger. 1996. Nitrogen Release from Grass and Legume Cover Crop Monocultures and Bicultures Agronomy Journal 88: 777-782.
- Rosecrance, R.C., G.W. McCarty, D.R. Shelton and J.R. Teasdale. 2000. Denitrification and N mineralization from hairy vetch (*Vicia villosa* Roth) and rye (*Secale cereale* L.) cover crop monocultures and bicultures. Plant and Soil 227(1-2): 283-290.
- Ruffo, L. and A. Bollero. 2003. Modeling Rye and Hairy Vetch Residue Decomposition as a Function of Degree-Days and Decomposition-Days. Agronomy Journal 95: 900-907.
- Sainju, U.M., W.F. Whitehead and B.P. Singh. 2005. Biculture Legume–Cereal Cover Crops for Enhanced Biomass Yield and Carbon and Nitrogen. Agronomy Journal 97: 1403-1412.
- SARE-CTIC. 2013. 2012 2013 Cover Crop Survey.
- SARE-CTIC. 2014. 2013 2014 Cover Crop Survey.
- Shipley P.R., J.J. Meisinger and A.M. Decker. 1992. Conserving Residual Corn Fertilizer Nitrogen with Winter Cover Crops. Agronomy Journal 84: 869-876.
- Smith, A.N., S.C. Reberg-Horton, G.T. Place, A.D. Meijer, C. Arellano and J.P. Mueller. 2011. Rolled Rye Mulch for Weed Suppression in Organic No-Tillage Soybeans. Weed Science 59: 224-231.
- Snaydon, R.W. 1991. Replacement or additive designs for competition studies? Journal of Applied Ecology 28(3): 930-946.
- Szumigalski, A.R., and R.C. Van Acker. 2008. Land Equivalent Ratios, Light Interception, and Water Use in Annual Intercrops in the Presence or Absence of In-Crop Herbicides. Agronomy Journal 100(4): 1145-1154.
- Teasdale, J.R. and A.A. Abdul-Baki. 1998. Comparison of mixtures vs. monocultures of cover crops for fresh-market tomato production with and without herbicide. Hortscience 33(7): 1163-1166.
- Teasdale, J.R. and C.L. Mohler. 2000. The quantitative relationship between weed emergence and the physical properties of mulches. Weed Science 48: 385-392.

- Teasdale, J.R., T.E. Devine, J.A. Mosjidis, R.R. Bellinder, C.E. Beste, and M. June. 2004. Growth and Development of Hairy Vetch Cultivars in the Northeastern United States as Influenced by Planting and Harvesting Date. Agronomy Journal 96: 1266-1271.
- Tewolde, J., S. Armstrong, T.R. Way, D.E. Rowe and K.R. Sistani. 2009. Cotton response to poultry litter applied by subsurface banding relative to surface broadcasting. Soil Science Society of America Journal 73: 384-389.
- USDA-ERS. 2013. Fertilizer Use and Price. Table 7- Average U.S. farm prices of selected fertilizers, 1960-2013.
- Warren, J.G., K.R. Sistani, T.R. Way, D.A. Mays and D.H. Pote. 2008. A new method of poultry litter application to perennial pasture: subsurface banding. Soil Science Society of America Journal 72(6): 1831-1837.
- Watts, D.B., T.R. Way and H.A. Torbert. 2011. Subsurface application of poultry litter and its influence on nutrient losses in runoff water from permanent pastures. Journal of Environmental Quality 40: 421-430.
- Wells, M.S., S.C. Reberg-Horton, A.N. Smith, and J.M. Grossman. 2013. The Reduction of Plant-Available Nitrogen by Cover Crop Mulches and Subsequent Effects on Soybean Performance and Weed Interference. Agronomy Journal 105(2): 539.
- Willey, R.W. 1979. Intercropping its importance and research needs. Part I. Competition and yield advantages. Field Crop Abstracts 32: 1-10.
- Williams, A.C., and B.C. Mccarthy. 2001. A new index of interspecific competition for replacement and additive designs. Ecological Research 16: 29-40.