## **Broccoli Study References**

- Abdul-Baki, A.A., J.R. Teasdale, R. Korcak, D.J. Chitwood, and R.N. Huettel. 1996. Freshmarket tomato production in a low-input alternative system using cover-crop mulch. HortScience 31:65–69.
- Ashford, D.L. and D.W. Reeves. 2003. Use of a mechanical roller-crimper as an alternative kill method for cover crops. Amer. J. Alt. Agr. 18:37–45.
- Aulakh, M.S., D.T. Walters, J.W. Doran, D.D. Francis, and A.R. Mosier. 1991. Crop residue type and placement effects on denitrification and mineralization. Soil Sci. Soc. Am. J. 55:1020–1025.
- Baker, J.M., T.E. Ochsner, R.T. Venterea, and T.J. Griffis. 2007. Tillage and soil carbon sequestration—what do we really know? Agr. Ecosyst. Environ. 118:1–5.
- Berry, P.M., R. Sylvester-Bradley, L. Philipps, D.J. Hatch, S.P. Cuttle, F.W. Rayns, and P. Gosling. 2002. Is the productivity of organic farms restricted by the supply of available nitrogen? Soil Use Mgt. 18:248–255.
- Bosland, PW, P.H. Williams, and R.H. Morrison. 1988. Influence of soil temperature on the expression of yellows and wilt of crucifers by *Fusarium oxysporum*. Amer. Phytopathol. Soc. 777–780.
- Brainard, D.C. and D.C. Noyes. 2012. Strip tillage and compost influence carrot quality, yield, and net returns. HortScience 47:1073–1079.
- Chase, C. 2011. Iowa fruit & vegetable production budgets. Accessed on 6 Oct. 2015. <a href="http://www.extension.iastate.edu/agdm/crops/html/a1-17.html">http://www.extension.iastate.edu/agdm/crops/html/a1-17.html</a>.
- Ciaccia, C., S. Canali., G. Campanelli, E. Testani, F. Montemurro, F. Leteo. and K. Delate. 2015. Effect of roller-crimper technology on weed management in organic zucchini production in a Mediterranean climate zone. Renewable Agr. Food Systems: 1–11.
- Creamer, N.G., M.A. Bennett, B.R. Stinner, and J. Cardina. 1996. A comparison of four processing tomato production systems differing in cover crop and chemical inputs. J. Amer. Soc. Hort. Sci. 121:559–568.
- Delate, K., C. Cambardella, and A. McKern. 2008. Effects of organic fertilization and cover crops on an organic pepper system. HortTechnology 18:215–226.
- Delate, K., D. Cwach, and C. Chase. 2012. Organic no-tillage system effects on soybean, corn and irrigated tomato production and economic performance in Iowa, USA. Renewable Agr. Food Systems 27:49–59.
- Díaz-Pérez, J.C., J. Silvoy, S. Phatak, J. Ruberson, and R. Morse. 2008. Effect of winter cover crops and no-till on the yield of organically-grown bell pepper (*Capsicum annuum* L.).

- In: Prange, R. and S. Bishop. (eds.). Proc. XXVII IHC-S11 Sustainability through integrated and organic horticulture. Acta. Hort. 767:243–247.
- Edwards, W. 2015. Estimating farm machinery costs. Accessed on 6 Oct. 2015. <a href="https://www.extension.iastate.edu/agdm/crops/html/a3-29.html">https://www.extension.iastate.edu/agdm/crops/html/a3-29.html</a>.
- Gaskell, M. and R. Smith. 2007. Nitrogen sources for organic vegetable crops. HortTechnology 17:431–441.
- Hadas, A., B. Bar-Yosef, S. Davidov, and M. Sofer. 1983. Effect of pelleting, temperature, and soil type on mineral nitrogen release from poultry and dairy manures. Soil Sci. Soc. Am. J. 47:1129–1133.
- Haramoto, E.R. and D.C. Brainard. 2012. Strip tillage and oat cover crops increase soil moisture and influence N mineralization patterns in cabbage. HortScience 47:1596–1602.
- Hartz, T.K. and G.J. Hochmuth. 1996. Fertility management of drip-irrigated vegetables. HortTechnology 6:168–172.
- Johnson, M.D. and B. Lowery. 1985. Effect of three conservation tillage practices on soil temperature and thermal properties. Soil Sci. Soc. Am. J. 49:1547–1552.
- Jones, J.J.B. and V.W. Case. 1990. Sampling, handling and analyzing plant tissue samples. p. 389–427. In: Westerman, R. L. (ed.). Soil testing and plant analysis. Soil Sci. Soc. Amer., Madison, Wisc.
- Leavitt, M.J., C.C. Sheaffer, D.L. Wyse, and D.L. Allan. 2011. Rolled winter rye and hairy vetch cover crops lower weed density but reduce vegetable yields in no-tillage organic production. HortScience 46:387–395.
- Licht, M.A. and M. Al-Kaisi. 2005. Strip-tillage effect on seedbed soil temperature and other soil physical properties. Soil Tillage Res. 80:233–249.
- Lounsbury, N.P. and R.R. Weil. 2014. No-till seeded spinach after winterkilled cover crops in an organic production system. Renewable Agr. Food Systems:1–13.
- Mirsky, S.B., M.R. Ryan, J.R. Teasdale, W.S. Curran, C.S. Reberg-Horton, J.T. Spargo, M.S. Wells, C.L. Keene, and J.W. Moyer. 2013. Overcoming weed management challenges in cover crop-based organic rotational no-till soybean production in the eastern United States. Weed Technol. 27:193–203.
- Mochizuki, M.J., A. Rangarajan, R.R. Bellinder, H.M.v. Es, and T. Björkman. 2008. Rye mulch management affects short-term indicators of soil quality in the transition to conservation tillage for cabbage. HortScience 43:862–867.
- Nyborg, M. and S.S. Malhi. 1989. Effect of zero and conventional tillage on barley yield and nitrate nitrogen content, moisture and temperature of soil in north-central Alberta. Soil Tillage Res. 15:1–9.

- Peachey, R.E., R.D. William, and C. Mallory-Smith. 2004. Effect of no-till or conventional planting and cover crops residues on weed emergence in vegetable row crop. Weed Technol. 18:1023–1030.
- Plastina, A., E. Edwards, and A.M. Johanns. 2015. Cash rental rates for Iowa 2015 survey. Accessed 11. Jan 2016. <a href="https://www.extension.iastate.edu/agdm/wholefarm/html/c2-10.html">https://www.extension.iastate.edu/agdm/wholefarm/html/c2-10.html</a>
- Ryan, M.R., W.S. Curran, A.M. Grantham, L.K. Hunsberger, S.B. Mirsky, D.A. Mortensen, E.A. Nord, and D.O. Wilson. 2011. Effects of seeding rate and poultry litter on weed suppression from a rolled cereal rye cover crop. Weed Sci. 59:438–444.
- Schellenberg, D.L., R.D. Morse, and G.E. Welbaum. 2009. Organic broccoli production on transition soils: Comparing cover crops, tillage and sidedress N. Renewable Agr. Food Systems 24:85–91.
- Teasdale, J.R. and C.L. Mohler. 2000. The quantitative relationship between weed emergence and the physical properties of mulches. Weed Sci. 48:385–392.
- U.S. Dept of Agriculture (USDA). 2006. United States standards for grades of italian sprouting broccoli. Agr. Mktg. Serv., Washington, D.C.
- U.S. Dept. of Agriculture–Agricultural Marketing Service (USDA-AMS), 2015. National Fruit and Vegetable Organic Summary. Agr. Mktg. Serv., Washington, D.C.
- Vollmer, E.R., N. Creamer, C. Reberg-Horton, and G. Hoyt. 2010. Evaluating cover crop mulches for no-till organic production of onions. HortScience 45:61–70.
- 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. Agron. J. 105:539–545.
- Wood, C.W., D.W. Reeves, R.R. Duffield, and K.L. Edmisten. 1992. Field chlorophyll measurements for evaluation of corn nitrogen status. J. Plant Nutr. 15:487–500.