

## C. WAYNE HONEYCUTT PUBLICATIONS

### Books Edited

He, Z., R.P. Larkin, and C.W. Honeycutt (eds.). 2012. Sustainable Potato Production: Global Case Studies. Springer, Amsterdam, The Netherlands. 539 pp.

### Book Chapters

Honeycutt, C.W. 1994. Linking nitrogen mineralization and plant nitrogen demand with thermal units. p. 49-77. *In* J.L. Havlin and J.S. Jacobsen (eds.) New directions in soil testing for nitrogen, phosphorus, and potassium. Soil Sci. Soc. Am. Spec. Publ. 40, Madison, WI.

Radke, J.K., and C.W. Honeycutt. 1994. Residue management strategies in the Northeast. p. 77-107. *In* J.L. Hatfield and B.A. Stewart (eds.) Crops residue management. Lewis Publishers, CRC Press, Boca Raton, FL.

Honeycutt, C.W., and J.M. Jemison. 1995. Crop residue management effects on water quality in the Northeastern United States. p. 31-34. *In* R.L. Blevins and W.C. Moldenhauer (eds.) Crop residue management to reduce erosion and improve soil quality: Appalachia and Northeast. USDA-ARS Conserv. Res. Rep. No. 41.

He, Z., and C.W. Honeycutt. 2011. Enzymatic hydrolysis of organic phosphorus. p. 253-274. *In* Z. He (ed.) Environmental Chemistry of Animal Manure. Nova Science Publishers, New York.

Honeycutt, C.W., J.F. Hunt, T.S. Griffin, Z. He, and R.P. Larkin. 2011. Determinants and processes of manure nitrogen availability. p. 201-224. *In* Z. He (ed.) Environmental Chemistry of Animal Manure. Nova Science Publishers, New York.

Frantz, J.M., R.P. Larkin, G. Trusty, C.W. Honeycutt, Z. He, O.M. Olanya, and J.M. Halloran. 2012. Comparing modeled productivity to historical data in New England potato production systems. p. 81-95. *In* Z. He, R.P. Larkin, and C.W. Honeycutt (eds.) Sustainable Potato Production: Global Case Studies. Springer, Amsterdam, The Netherlands.

He, Z., C.W. Honeycutt, O.M. Olanya, R.P. Larkin, J.M. Halloran, and J.M. Frantz. 2012. Comparison of soil phosphorus status and organic matter composition in potato fields with different crop rotation systems. p. 61-79. *In* Z. He, R.P. Larkin, and C.W. Honeycutt (eds.) Sustainable Potato Production: Global Case Studies. Springer, Amsterdam, The Netherlands.

Larkin, R.P., C.W. Honeycutt, O.M. Olanya, J.M. Halloran, J.M., and Z. He. 2012. Impacts of crop rotation and irrigation on soilborne diseases and soil microbial communities. p. 21-41. *In* Z. He, R.P. Larkin, and C.W. Honeycutt (eds.) Sustainable Potato Production: Global Case Studies. Springer, Amsterdam, The Netherlands.

Olanya, O.M., C.W. Honeycutt, Z. He, R.P. Larkin, J.M. Halloran, and J.M. Frantz. 2012. Early and late blight potential on Russet Burbank potato as affected by microclimate, cropping systems, and irrigation management in Northeastern United States. p. 43-60. *In* Z. He, R.P. Larkin, and C.W. Honeycutt (eds.) Sustainable Potato Production: Global Case Studies. Springer, Amsterdam, The Netherlands.

**Decision Support System**

Honeycutt, C.W., R.P. Larkin, J. Halloran, T. Griffin, and S. Lakshman. 2005. The Potato Systems Planner. CD-ROM. USDA-ARS New England Plant, Soil & Water Laboratory; Orono, ME.

**Peer-Reviewed Technical Journals**

Honeycutt, C.W., L.M. Zibilske, and W.M. Clapham. 1988. Heat units for describing carbon mineralization and predicting net nitrogen mineralization. *Soil Sci. Soc. Am. J.* 52:1346-1350.

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Honeycutt, C.W., L.J. Potaro, K.L. Avila, and W.A. Halteman. 1993. Residue quality, loading rate and soil temperature relations with hairy vetch (*Vicia villosa* Roth) residue carbon, nitrogen and phosphorus mineralization. *Biol. Agric. Hort.* 9:181-199.

Liebman, M., R.J. Rowe, S. Corson, M.C. Marra, C.W. Honeycutt, and B.A. Murphy. 1993. Agronomic and economic performance of conventional vs. reduced input bean cropping systems in Central Maine. *J. Prod. Agric.* 6:369-378.

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