

SHORT VITAE

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Professional Preparation:

BS, Meteorology, Northern Illinois University, 1981; MS, Agricultural Meteorology, Purdue University, 1983; PhD, Agricultural Meteorology, Purdue University, 1987.

Research Interests

The focus of my research is the influence and impact of weather and climate on agricultural activities. Current and recent past themes include; agronomic impacts associated with past and projected future changes in climate, the impact of land use change on climate, irrigation water use in agriculture, winter hardiness of crops and insects, and the role of weather in determination of plant disease risk.

All Publications in Last Three Years:

- Olson, J.M., G. Alagarwamy, J.A. Andresen, D.J. Campbell, J. Ge, M. Huebner, B. Lofgren, D.P. Lusch, N. Moore, B.C. Pijanowski, J. Qi, N. Torbick, and J. Wang, no date. Integrating Diverse Methods to Understand Climate-Land Interactions at Multiple Spatial and Temporal Scales. *GeoForum*, in press).
- Getter, K.L., D.B. Rowe, and J.A. Andresen, no date. Quantifying the effect of slope on extensive green roof stormwater retention. *Ecological Engineering*, in press.
- Isard, S.A., R.J. Schaetzl, and J.A. Andresen, 2007. Soils Cool as Climate Warms in the Great Lakes Region, USA: 1951-2000. *Annals Assoc. Am. Geographers* 97:467-476.
- Berkheimer, S.F., J.K. Potter, J.A. Andresen, and E.J. Hanson, 2007. Flower Bud Mortality and Salt Levels in Blueberry Fields Adjacent to Michigan Highways Treated with Deicing Salt. *HortTechnology* 16: 508-512.
- C. Zavalloni, J. A. Andresen, and J.A. Flore, 2006. Phenological Models of Flower Bud Stages and Fruit Growth of 'Montmorency' Sour Cherry Based on Growing Degree-Day Accumulation. *J. Am. Soc. Hort. Sci.* 131(5):601-607.
- C. Zavalloni, J. A. Andresen, and J.A. Flore, J.A. Winkler, J.R. Black and T.L. Beedy, 2006. The Pileus Project: Climatic Impacts on Sour Cherry Production in the Great Lakes Region in Past and Projected Future Time Frames. *Acta Hort* 707: 101-108.
- VanWoert, N.D., D.B. Rowe, J.A. Andresen, C.L. Rugh, R.T. Fernandez, and L. Xiao, 2005. Green roof stormwater retention: Effects of roof surface, slope, and media depth. *J. Environ.*

Quality 34(3):1036-1044.

- Van Woert, N.D., D.B. Rowe, J.A. Andresen, C.L. Rugh, and L. Xiao, 2005. Watering Regime & Green Roof Substrate Design Affects on Sedum Plant Growth. *HortScience* 40(3):659-664.
- Baker, K.M., W.W. Kirk and J.A. Andresen. 2005. Climatic trends and potato late blight risk in the Upper Great Lakes region. *HortTechnology* 15(30):510-518.

Other Relevant Publications:

- Potter, B.E. and J.A. Andresen, 2002. Modeling temperatures and heat flow within a tree stem. *Canadian Journal of Forest Resources* 32:548-555.
- Winkler, J.A., J.A. Andresen, G. Guentchev, and R.D. Kriegel, 2002. Possible Impacts of Projected Temperature Change on Commercial Fruit Production in the Great Lakes Region. *Journal of Great Lakes Research*, 28(4): 608-625.
- Andresen, J.A., B.E. Potter, D.G. McCullough, N. Kohler, David P. Lusch, L. Bauer, and C. Ramm, 2001. Effects of Winter Temperatures on Gypsy Moth Egg Masses in the Great Lakes region of the United States. *Ag. and Forest Meteorology* 110:85-100.
- Andresen, J.A., G. Alagarswamy, J.T. Ritchie, C.A. Rotz, and A.W. LeBaron, 2001. Assessment of the Impact of Weather on Maize, Soybean, and Alfalfa Production in the Upper Great Lakes Region of the United States, 1895-1996. *Agron. J.* 93: 1059-1070.