

## W2128 Publications and Presentations from 2009 through 2013 reports in alphabetical order

- Abbas, F., A. Fares, H. Valenzuela, and S. Fares. 2011. Carbon Dioxide Emissions from an Organically Amended Tropical Soil. *Journal of Sustainable Agriculture*: 36, 3-17.
- AbdelGadir, A.H., Dougherty, M., Fulton, J.P., Curtis, L.M., Tyson, T.W., Harkins, H.D., and B.E. Norris. 2012. Effect of Different Deficit-Irrigation Capabilities on Cotton Yield in the Tennessee Valley. *Irrigation and Drainage Systems Engineering*, doi: 10.4172/2168-9768.1000102.
- AbdelGadir, A.H., Fulton, J.P., Dougherty, M., Curtis, L.M., van Santen, E., Burmester, C.H., Harkins, H.D., and B.E. Norris. 2011. Subsurface drip irrigation placement and cotton irrigation water requirement in the Tennessee Valley. *Crop Management*, August 2011, doi:10.1094/CM-2011-0819-01-RS.
- AbdelGadir, A.H., J.P. Fulton, M. Dougherty, L.M. Curtis, E. Santen, C.H. Burmester, H.D. Harkins, and B.E. Norris. 2011. Subsurface Drip Irrigation Placement and Cotton Irrigation Water Requirement in the Tennessee Valley. *Crop Management*. August 2011, doi:10.1094/CM-2011-0819-01-RS
- AbdelGadir, A.H., M. Dougherty, J.P. Fulton, C. Burmester, C. Norris, L.M. Curtis, and D. Monks. 2009. Sub-surface drip irrigation-fertigation for site-specific, precision management of cotton. Paper No. 2176. *Innovations in Irrigation Conference*. December 2-4, 2009, San Antonio, TX.
- Abritta, M and A. Garcia y Garcia. 2012. Crop water stress index and non-stressed baseline of corn grown in the state of Wyoming, US. ASABE paper # 12-1337804.
- Ahmad, A., A. Fares, S. Paramasivam, M. A. Elrashidi; R. M. Savabi. 2009. Biomass and nutrient concentration of sweet corn roots and shoots under organic amendments application. *J. of Environ. Sci. and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes*, 1532-4109, 44(8): 742 – 754.
- Ahmad, A.A.; A. Fares, and N. V. Hue. 2012. Nitrate Dynamic in a Tropical Mollisol Amended with Organic Manures, Planted with Sweet Corn, and Monitored with SPAD Readings. *Commun. Soil Sci. Plant Anal.* 43: 2274-2288.
- Ahmad, A.A.; Fares, A.; Abbas, F.; Deenik, J.L. 2009. Nutrient concentrations within and below root zones from applied chicken manure in selected Hawaiian soils *Journal of Environmental Science and Health Part B.* 44(8): 828-843.
- Alam, M. 2009. Extensive discussion with producer from Plains Kansas about SDI pros and cons with particular reference to use of SDI for alfalfa hay and grass production, April 16.
- Alam, M. 2009. KSU -Northwest Cotton Growers Co-Op Gin Field Day, September 15, 2009, Ron Lucas Farm, Moscow, KS
- Alam, M., D. Rogers and F. R. Lamm. 2009. Poster presentation of In-Field Evaluation of Subsurface Drip Irrigation Systems in Kansas at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Alam, M., D. Rogers and F. R. Lamm. 2009. Poster presentation of In-Field Evaluation of Subsurface Drip Irrigation Systems in Kansas at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Alam, M., D. Rogers and F.R. Lamm. 2009. . Poster presentation of In-field evaluation of subsurface drip irrigation systems in Kansas at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Allen, Samuel C., Michael K. O'Neill, Robert F. Heyduck, Kevin A. Lombard, Dan Smeal, and Richard N. Arnold. 2011. Growth performance of hybrid poplar in a semi-arid zone of the Colorado Plateau: a case study of clone OP-367. 11th Biennial Conference of Research on the Colorado Plateau. October 24-27, 2011. Flagstaff, AZ.
- Arbat, G., F. R. Lamm and A. A. Abou Kheira. 2009. Effect of emitter spacing on soil water redistribution, corn yield and water productivity under subsurface drip irrigation (SDI). ASABE paper no. 096578. Available from ASABE, St. Joseph, MI. 17 pp.
- Arbat, G., F. R. Lamm, and A. A. Abou Kheira. 2009. Poster presentation of Effect of emitter spacing on corn at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Arbat, G., F. R. Lamm, and A. A. Abou Kheira. 2009. Poster presentation of Effect of emitter spacing on corn at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Arbat, G., F. R. Lamm, and A. A. Abou Kheira. 2009. Poster presentation of Effect of emitter spacing on corn production at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Arbat, G., F. R. Lamm, and A. A. Abou Kheira. 2009. Poster presentation of Effect of emitter spacing on corn production at SDI Technology Field Day, Halfway Texas, August 25, 2009.

- Arbat, G., F. R. Lamm, and A. A. Abou Kheira. 2010. Subsurface drip irrigation emitter spacing effects on soil water redistribution, corn yield and water productivity. *Applied Engr. in Agric.* 26(3):391-399.
- Bartolo, M.E. 2009. Onion response to different water qualities. In *Arkansas Valley Research Center 2007 Reports*, CSU Ag. Expt. Station Technical Report 09-12. p.38-41.
- Bartolo, M.E. 2012. Effect of Water Quality on Cantaloupe Yield and Quality. In *Arkansas Valley Research Center 2009 Reports*, Colorado State University Ag. Expt. Station Technical Report 12-5. p.14-17. January 2012.
- Bartolo, M.E. 2012. Effect of Water Quality on Watermelon Yield and Quality. In *Arkansas Valley Research Center 2009 Reports*, Colorado State University Ag. Expt. Station Technical Report 12-5. p.18-21. January 2012.
- Beggs, R.A., D.J. Hills, G. Tchobanoglous, and J.W. Hopmans. 2011. Fate of nitrogen for subsurface drip irrigation of effluent from small wastewater systems. *Journal of Contaminant Hydrology* 126:19-28. doi:10.1016/j.jconhyd.2011.05.007
- Bhattarai, N., Dougherty, M., Marzen, L., and L. Kalin. 2011. Validation of evaporation estimates from a modified surface energy balance algorithm for land (SEBAL) model in the southeastern US. *Remote Sensing Letters*, 3:6, 511-519.
- Bohl, W., T. Salaiz, H. Neibling and T McCammon. 2009. *Watering Home Lawns: How Much and How Often*. University of Idaho Extension CIS 1157, 7pp.
- Bordovsky, J.P., A.M. Cranmer, P.D. Colaizzi, F.R. Lamm, S.R. Evett, and T. A. Howell. 2012. Investigating strategies to improve crop germination when using SDI. In: *Proc. 24th annual Central Plains Irrigation Conference Feb. 21-22, 2012*, Colby, Kansas. Available from CPIA, 760 N. Thompson, Colby, Kansas. pp. 112-127.
- Brown, P. 2011. Update on Nutrient Management of Almonds. Almond Board of California: Modesto CA.
- Brown, P. 2011. CDFA-FREP Annual Conference. Management of N in Tree Crops. Paso Robles CA.
- Brown, P. 2011. Sampling strategies for Nutrient Management in Tree Crops. Fluid Fertilizer Foundation Meeting. Stockton CA.
- Brown, P. 2011. Stakeholder Meeting Paramount Farming: Bakersfield CA.
- Brown, P. 2012. Foliar fertilization of tree crops. ASHS. Miami FL.
- Brown, P. 2012. Management of N in Almonds. CDFA-FREP and WPHA Annual Workshop. Modesto CA. 400 atten. Expert Panel Member presentation and discussion.
- Brown, P. 2012. Managing large scale collaborative research projects. Pomology Extension Continuing Conference. Davis CA.
- Brown, P. 2012. Nutrient Budget and development of new sampling strategies for N management. Australian Almond Industry Annual Meeting, Nuriootpa, SA.
- Brown, P. 2012. Nutrient Budget and development of new sampling strategies for N management. ISHS Meeting on Nutrition of Tree Crops, Chakrabourty Thailand.
- Brown, P. 2012. Nutrient Budget and development of new sampling strategies for N management. Northern San Joaquin Almond Day. Merced, CA.
- Brown, P. 2012. Nutrient Management in Pistachio. Pistachio Day. Visalia CA.
- Brown, P. 2012. Plant Nutrition in a Changing Environment. German Soc. for Plant Nutrition.
- Centinari, M., S. Poni, D.S. Intrigliolo, D. Dragoni and A.N. Lakso. 2011. Cover crop evapotranspiration in a northeastern United States Concord (*Vitis labruscana*) vineyard. *Austral. J. Grape Wine Res.* 18:73-79, 2012.
- Chighladze, G., A. Kaleita, and S. Birrell. 2010. Sensitivity of capacitance soil moisture sensors to nitrate ions in soil solution. *Soil Science Society of America Journal.* 74: 1987-1995.
- Chighladze, G., A. Kaleita, and S. Birrell. 2010. Temperature-dependent dielectric response of aqueous solutions to presence of nitrate ions. Presented at the 2010 Joint Annual Meeting of the American Society of Agronomy, the Crop Science Society of America, and the Soil Science Society of America. Oct. 31-Nov. 3, 2010, Long Beach, CA.
- Chighladze, G., A. Kaleita, S. Logsdon, and S. Birrell. 2012. Estimating soil solution nitrate concentration from dielectric spectra using partial least squares analysis. *Soil Science Society of America Journal.* 76(5): 1536-1547.

- Chighladze, G., A.L. Kaleita, and S. Birrell. 2009. Response of capacitance probes to soil solution nitrate concentration. ASABE Paper No. 097211. ASABE Annual International Conference, Reno, NV, June 21 !! June 24.
- Coates, R.W., P.K. Sahoo, P.K., L.J. Schwankl, and M.J. Delwiche. 2011. Fertigation techniques for use with multiple hydrozones in simultaneous operation. Precision Agriculture DOI 10.1007/s11119-011-9239-0. 16 pp.
- Colaizzi, P. 2009. Discussed irrigation system research with Amarillo Chamber of Commerce Agricultural Committee, field tour at CPRL on August 26, 2009.
- Colaizzi, P. 2009. Discussion of SDI pros and cons for buffalo grass with homeowner at Bushland, Texas, April 17
- Colaizzi, P. 2009. Field tour of irrigation research at CPRL with Soil and Water Conservation class taught by Dr. B. A. Stewart, West Texas A&M University, 13 undergrads (all US citizens), 8 grads (3 US, 4 India, 1 Zimbabwe), April 29.
- Colaizzi, P. 2010. Hosted representatives from Cotton, Inc. and Budline Productions on tour of the Texas Panhandle to produce a documentary on cotton production in West Texas, and to assess water, irrigation, and renewable energy research, and to identify research gaps and funding needs for irrigated and dryland cotton production. The tour included visits with three local cotton producers and tour of cotton research and renewable energy at CPRL, July 29, 2010.
- Colaizzi, P. 2010. Field tour and meetings of the Calera Workshop in cooperation with Mexico, Texas Water Resources Institute, and University of Georgia and ARS-El Reno at Bushland on July 7-9, 2010.
- Colaizzi, P. Field tour and meetings for Australian producers, August 18, 2010.
- Colaizzi, P. and S.R. Evett. 2009. Tour of drip irrigation research in conjunction with the "Wheat Issues and Challenges: Small Grain Field Day" at the USDA-ARS Conservation & Production Research Laboratory, Bushland, Texas, May 21, 2009.
- Colaizzi, P. and S.R. Evett. 2009. Tour of irrigation research and facilities at the USDA-ARS Conservation & Production Research Laboratory, Bushland Texas, was given for members of the Texas Consortium for Irrigation Research and Education (CIRE). Bushland, Texas. Research involving SDI management and comparison of irrigation methods was discussed, May 21-2009.
- Colaizzi, P. and S.R. Evett. 2009. Tour of irrigation research at the USDA-ARS Conservation & Production Research Laboratory, Bushland, Texas, for 22 extension agents from NW and SW Oklahoma. Research comparing subsurface drip irrigation to LEPA and LESA spray irrigation application methods was discussed.
- Colaizzi, P.D., Baumhardt, R. L., Evett, S.R., Howell, T.A. 2009. Presentation: Cotton Production with Spray, LEPA, and SDI. KSU – Northwest Cotton Growers Co-Op Gin Field Day, September 15, 2009, Ron Lucas Farm, Moscow, KS.
- Colaizzi, P.D., Evett, S.R., Howell, T.A. 2009. Poster: Comparison of SDI with Alternative Irrigation Methods. SDI Field Day, August 25, 2009, Texas AgriLife Research and Extension Farm, Halfway, TX.
- Colaizzi, P.D., Evett, S.R., Howell, T.A. 2009. Poster: Comparison of SDI with Alternative Irrigation Methods. SDI Field Day, August 4, 2009, KSU Research and Extension Center, Colby, KS.
- Colaizzi, P.D., Evett, S.R., Howell, T.A. 2009. Poster: Corn Production with Alternative SDI Designs. SDI Field Day, August 25, 2009, Texas AgriLife Research and Extension Farm, Halfway, TX.
- Colaizzi, P.D., Evett, S.R., Howell, T.A. 2012. Subsurface drip, LEPA, and spray irrigation. In Wheat and Water Issues, Proc. USDA-ARS and Texas A&M Wheat Field Day, Bushland, TX, May 24, 2012, 37-40.
- Colaizzi, P.D., Evett, S.R., Howell, T.A., R. L. Baumhardt. 2010. Crop production comparison with spray, LEPA, and subsurface drip irrigation in the Texas High Plains. In: Proceedings of the 5th Decennial National Irrigation Symposium, December 5-8, 2010, Phoenix, Arizona. Paper No: IRR10-9704.2010 CDR0M.
- Colaizzi, PD, PH Gowda, TH Marek, and DO Porter. 2009. Irrigation in the Texas High Plains: A brief history and potential reductions in demand. Irrig. and Drain. 58(3): 257-274.
- Colaizzi, PD, SR Evett, and TA Howell. 2011. Corn production with spray, LEPA, and SDI. In Proc. 23rd Annual Central Plains Irrigation Conference, Burlington, CO., February 22-23, 2011. Available from CPIA, 760 N. Thompson, Colby, Kansas.
- Deb S, MK Shukla, P Sharma, and J Mexal. 2011. Patterns of Soil Water Depletion In Irrigated Pecan Orchards In the Lower Rio Grande Valley of Southern New Mexico. International Annual Meeting of Soil Science Society of America, San Antonio, Texas.

- Deb S. and M. K. Shukla. 2012. Variability of hydraulic conductivity due to multiple factors. *American Journal of Environmental Science*. 8(5) 489-502
- Deb S. and M.K. Shukla. 2011. An overview of some hydrological watershed models. In: M.K. Shukla (Ed.) *Soil Hydrology, Land Use and Agriculture: Measurement and modeling*. CAB International, Wallingford, UK. 75-116
- Deb S.K., M.K. Shukla and J. Mexal. 2012. A peak at the other half of your orchard: The roots. 46th Annual Western Pecan Growers Association Conference. March 4-6, 2012 Hotel Encanto de Las Cruces, Las Cruces, NM
- Deb S.K., M.K. Shukla and J. Mexal. 2012. Evaluation of compensated root water uptake pattern of greenhouse drip irrigated chile. 2012 Irrigation Show & Education Conference Nov. 2-6, Orlando, Florida.
- Deb S.K., M.K. Shukla, Uchanski, M.E., and Bosland, P.W. 2012. Evaluation of compensated root water uptake pattern of greenhouse drip irrigated chile. 2012 Irrigation Show & Education Conference, Agriculture Track-1, Nov. 2-6, Orlando, Florida
- Deb SK, MK Shukla, P Sharma, and JG Mexal. 2011. Patterns of soil water depletion in irrigated mature pecans of arid southern New Mexico. *Irrigation Science*. DOI: 10.1007/s00271-011-0293-1.
- Deb, S. K., M. K. Shukla, and J. G. Mexal. 2012. Estimating midday leaf and stem water potentials of mature pecan trees from soil water content and climatic parameters. *Hort. Sci.* 47(7):907-916.
- Discussion of agricultural research and SDI technology with Farm Bureau Master's program, October 6, 2011 at KSU-NWREC, Colby Kansas.
- Djaman, K. and S. Irmak. 2012. Soil water extraction patterns and crop-, irrigation-, and evapotranspiration water use efficiency of maize under full and limited irrigation and rainfed settings. *Trans. ASABE* 55(4):1223-1238.
- Doniger, A. and C.C. Shock. 2012. Microclimatic characteristics of the natural environment supporting corn lily (*Veratrum californicum*). p 191-197 In Shock C.C. (Ed.) *Oregon State University Agricultural Experiment Station, Malheur Experiment Station Annual Report 2011, Department of Crop and Soil Science Ext/CrS 141*.
- Doniger, A., C.C. Shock, E.B.G. Feibert, C. Parris, and L.D. Saunders. 2012. *Veratrum* irrigation. p 198-210 In Shock C.C. (Ed.) *Oregon State University Agricultural Experiment Station, Malheur Experiment Station Annual Report 2011, Department of Crop and Soil Science Ext/CrS 141*.
- Dougherty, M., A.H. AbdelGadir, J.P. Fulton, E. van Santen, L.M. Curtis, C.H. Burmester, C.H., H.D. Harkins, and B.E. Norris. 2009. Subsurface Drip Irrigation and Fertigation for North Alabama Cotton Production. *Journal of Cotton Science*. 13(2009):227-237.
- Dourte D.R., Shukla S, Singh P, and Haman DZ. 2012. Rainfall Intensity -Duration -Frequency Relationships for Andhra Pradesh, India: Changing Rainfall Patterns and Implications for Runoff and Groundwater Recharge. *Journal of Hydrologic Engineering* (in press).
- Dourte, D. R., D. Z. Haman, and Jeffrey G. Williamson- 2010. Crop Water requirements of Mature Southern Highbush Blueberries - *International Journal of Fruit Science* 10(3):235-248.
- Dragoni, D and AN Lakso. 2011. An apple-specific ET model. *Acta Hort.* 903:1175-1180.
- Emerson, P., G. Beauchamp, R. Heyduck, J. Kallestad, M.K. O'Neill, R. Shuren, B. Stanton, and M.E. Swanson. 2010. Hybrid poplar suitability for regional deployment as a bio-fuel feedstock. Poster presentation at the International Poplar Symposium, Orvieto, Italy, September 20 - 25, 2010. <http://ocs.entecra.it/index.php/IPS/5/paper/view/263>.
- Enciso-Medina, J., W. L. Multer, and F. R. Lamm. 2009. Impact of management on the life expectancy of drip systems. In: *Proc. 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009*. Available from the IA, Falls Church, VA. 11 pp.
- Enciso-Medina, J., W. L. Multer, and F. R. Lamm. 2011. Management, maintenance, and water quality effects on the long-term performance of subsurface drip irrigation systems. *Applied Engr. in Agric.* 27(6):969-978.
- Enciso-Medina, J., W. L. Multer, and F. R. Lamm. 2009. Impact of Management on the Life Expectancy of Drip Systems. In: *Proc. 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009*. Available from the IA, Falls Church, VA. 11 pp.
- Enciso-Medina, J., W. Multer and F. R. Lamm. 2009. Evaluation of old subsurface drip irrigation systems in Texas. ASABE paper no. 095725. Available from ASABE, St. Joseph, MI. 8 pp.

- Fares, A, 2009. Citrus Irrigation Scheduling. *Tree Forestry Science and Biotechnology*. 3:12-21.
- Fares, A., F. Abbas, S.K. Deb, S. Paramasivam. 2009. Citrus Chemigation. *Tree Forestry Science and Biotechnology*. 3:22-31.
- Feibert, E.B.G., and C.C. Shock. 2012. Establishing plant stands. *Native Plant Seed Production Field Day*. OSU Malheur Experiment Station. 16 May 2012. Ontario, OR.
- Felix, J., C.C. Shock, J. Ishida, and E.B.G. Feibert. 2012. Investigate sweet potato cultivars and irrigation criteria for the Treasure Valley. p 119-125 In Shock C.C. (Ed.) *Oregon State University Agricultural Experiment Station, Malheur Experiment Station Annual Report 2011*, Department of Crop and Soil Science Ext/CrS 141.
- Foley, K.M. and C.C. Shock. 2012. Benefits of strip tillage to increase farming efficiency and protect water quality. p 236-244 In Shock C.C. (Ed.) *Oregon State University Agricultural Experiment Station, Malheur Experiment Station Annual Report 2011*, Department of Crop and Soil Science Ext/CrS 141.
- Foley, K.M., A.R. Doniger, C.C. Shock, D.A. Horneck, and T. Welch. 2012. Nitrate pollution in groundwater, *Sustainable Agriculture Techniques*, Oregon State University, Department of Crop and Soil Science Ext/CrS 137.
- Foley, K.M., C.C. Shock, O.S. Norberg, and T.K. Welch. 2012. *Making strip tillage work for you: a growers guide*, Oregon State University, Department of Crop and Soil Science Ext/CrS 140.
- Gonzalez A. and M. K. Shukla. 2010. Coupled Transport of Nitrate and Chloride in Unsaturated porous Media. 2010 International annual meetings, ASA-CSSA-SSSA, Oct. 31-Nov. 4, 2010, Long Beach, CA.
- Gonzalez A. and M. K. Shukla. 2010. Transport of Nitrate and Chloride in Saturated Soil Columns. The 2010 New Mexico Water Research Symposium: Resource Interdependence, August 03, 2010, Macey Center, New Mexico Tech, Socorro, New Mexico.
- Gowda, Prasanna, Jerry Ennis, Terry Howell, Thomas Marek, Dana Porter. 2012. The ASCE Standardized ET Equation Based Bushland Reference ET Calculator. 2012 World Environmental and Water Resources Congress. American Society of Civil Engineers Environmental and Water Resources Institute, Albuquerque, NM. May 20-24, 2012.
- Gowda, Prasanna, Jerry Ennis, Thomas Marek, Dana Porter and Terry Howell. 2012. The Bushland Reference ET Calculator. Software demonstration (invited) at the 2012 High Plains Dairy Conference, Amarillo, TX. 03/07/12.
- Ha, W, PH. Gowda, T Oommen, TH Marek, DO Porter, and TA Howell. 2011. Spatial interpolation of daily reference evapotranspiration in the Texas High Plains. *World Environmental and Water Resources Congress 2011. Bearing Knowledge for Sustainability Proceedings of the 2011 World Environmental and Water Resources Congress*, May 22-26, 2011, Palm Springs, CA, pp 2796-2804.
- Ha, W., Ajwa, H. A., Mansell, R. S., and Stanley, C. D. 2009. Two-dimensional simulation of non-isothermal fate and transport of a drip-applied fumigant in plastic-mulched soil beds. II. Methyl isothiocyanate (MITC). *Transport in Porous Media* 76:431-448
- Ha, W., Mansell, R. S., Stanley, C. D., and Ajwa, H. A. 2009. Two-dimensional simulation of non-isothermal fate and transport of a drip-applied fumigant in plastic- mulched soil beds. I. Model development and performance investigation. *Transp. Porous Med.* 78:77-99:
- Hanson, B.R., D.E. May, J. Simunek, J.W. Hopmans, and R.B. Hutmacher. 2009. Drip irrigation provides for profitable irrigation of tomatoes in the San Joaquin Valley. *California Agriculture* paper. 63(3):131-136.
- Hanson, BR, DE May, J Simunek, JW Hopmans, and RB Hutmacher. 2009. Drip irrigation provides for profitable irrigation of tomatoes in the San Joaquin Valley. *California Agriculture*. 63(3):131-136.
- Harbuck, T.L. J.P. Fulton, M. Dougherty, D. Eakes, S. Taylor, J. Sibley, and L. Curtis. 2009. In-field evaluation of pressure-compensated subsurface drip irrigation. ASABE Paper No. 097144. ASABE Annual International Conference, Reno, NV, June 21 !! June 24.
- Harbuck, T.L., J. P. Fulton, M. Dougherty, S. T. Taylor, D.J. Eakes, and J.L. Sibley. 2011. In-Field Application Uniformity Evaluation of Pressure-Compensating Subsurface-Drip Irrigation Products. *J. Applied Engineering in Agriculture* 27(1): 43-50.
- Harden, J.L., K.M. Foley, C.C. Shock, and T.K. Welch. 2012. Eliminating runoff water from your farm, *Sustainable Agriculture Techniques*, Oregon State University, Department of Crop and Soil Science Ext/CrS 142. 5 p.
- Harmoney, K. R. F. R. Lamm, A. A. Aboukheira, and S. K. Johnson. 2012. Reducing water inputs with subsurface drip irrigation may improve alfalfa nutritive value. Online. *Forage and Grazinglands* doi:10.1094/FG-2013-117-01-RS. 8 pp.

- Harmsen, E. W., J. Mecikalski, M. J. Cardona-Soto, A. Rojas Gonzalez and R. Vasquez, 2009. Estimating daily evapotranspiration in Puerto Rico using satellite remote sensing. *WSEAS Transactions on Environment and Development*, Vol. 6(5):456-465.
- Harmsen, E. W., J. Mecikalski, M. J. Cardona-Soto, A. Rojas Gonzalez and R. Vasquez, 2009. Satellite Solar Insolation-Based Daily Evapotranspiration Estimation in Puerto Rico. *Proceeding of the 8th WSEAS Int. Conf. on INSTRUMENTATION, MEASUREMENT, CIRCUITS and SYSTEMS (IMCAS'09)*, China Jiliang University & Zhejiang University of Technology, in Hangzhou, China, May 20-22.
- Harmsen, E. W., J. Mecikalski, M. J. Cardona-Soto, A. Rojas Gonzalez and R. Vasquez, 2009. Satellite Solar Insolation-Based Daily Evapotranspiration Estimation in Puerto Rico. *Proceeding of the 8th WSEAS Int. Conf. on INSTRUMENTATION, MEASUREMENT, CIRCUITS and SYSTEMS (IMCAS'09)*, China Jiliang University & Zhejiang University of Technology, in Hangzhou, China, May 20-22.
- Harmsen, E. W., N. L. Miller, N. J. Schlegel and J. E. Gonzalez, 2009. Seasonal Climate Change Impacts on Evapotranspiration, Precipitation Deficit and Crop Yield in Puerto Rico, *J. Agricultural Water Management* 96(7):1085-1095.
- Harmsen, E. W., V. H. Ramirez Builes, M. D. Dukes, X. Jia, J. E. Gonzalez And L. R. Pérez Alegía, 2009. A Ground-Based Method for Calibrating Remotely Sensed Surface Temperature for use in Estimating Evapotranspiration. *WSEAS TRANSACTIONS on ENVIRONMENT and DEVELOPMENT*. Issue 1, Volume 5, January. pp 13-23.
- He, J., Dougherty, M., and A.H. AbdelGadir. 2012. Numerical assisted assessment of vadose-zone nitrogen transport under a soil moisture controlled wastewater SDI dispersal system in a Vertisol. *Ecological Engineering*, doi: 10.1016/j.ecoleng.2012.12.048.
- He, J., Dougherty, M., Arriaga, F., Fulton, J., Wood, C., Shaw, and C. Lange. 2012. Short-term soil nutrient impact in a real-time drain field soil moisture controlled SDI wastewater disposal system. *Irrigation Science*, doi: 10.1007/s00271-011-0292-2.
- He, J., Dougherty, M., Arriaga, F.J., AbdelGadir, A.H. 2012. Impact of a real-time controlled wastewater subsurface drip disposal system on the selected chemical properties of a Vertisol. *Environmental Technology*, doi: 10.1080/09593330.2012.746737.
- He, J., Dougherty, M., Shaw, J., Fulton, J., and F. Arriaga. 2011. Hydraulic management of a soil moisture controlled SDI wastewater dispersal system in an Alabama Black Belt soil. *J. Environmental Management*, doi: 10.1016/j.jenvman.2011.05.009.
- Hernandez-Ochoa, I.M., B.M. Santos, C.D. Stanley, and P. Huang. 2012. Using low-volume irrigation programs and crop protectants to establish strawberry transplants. *Proceedings of the Florida State Horticultural Society* 125:(in press).
- Hines, S and H. Neibling. 2013. Center Pivot Irrigation for Corn: Water Management and System Design Considerations in Southern Idaho. *Current Information Series Publication*. University of Idaho Extension Bulletin 881. 10 pp.
- Hopmans, J.W. M. Kandalous. 2012. Optimizaton of water and nitrate use efficiencies for almonds under micro irrigation. *Annual Report*. Almond Board. Project 11-PREC4-Hopmans
- Hornbuckle, B., T. Rowlandson, A. Kruger, S. Yueh, E. Russell, A. Kaleita, S. Logsdon, and R. De Roo. 2010. How does dew affect L-band backscatter? Analysis of PALS data at the Iowa Validation Site and implications for SMAP. *International Geoscience and Remote Sensing Symposium 2010*, Honolulu HI.
- Intrigliolo, D. S., Lakso, A. N., Piccioni, R. M. 2009. Using the heat pulse "Tmax" procedure to estimate grapevine water use in a humid climate. *Acta Hort.* 846:177-184.
- Intrigliolo, D.S., A.N. Lakso and R.M. Piccioni. 2009. Using the heat pulse "Tmax" procedure to estimate grapevine water use in a humid climate. *Acta Hort.* 846:177-184.
- Intrigliolo, D.S., A.N. Lakso and R.M. Piccioni. 2008. Grapevine cv. 'Riesling' water use in the northeastern United States. *Irrig. Science* 27:253-262. (online DOI 10.1007/s00271-008-0140-1).
- Irmak, S., M. J. Burgert, H. S. Yang, K.G. Cassman, D.T. Walters, W.R. Rathje, J.O. Payero, P. Grassini, M.S. Kuzila, K.J. Brunkhorst, D.E. Eisenhauer, W.L. Kranz, B. VanDeWalle, J.M. Rees, G.L. Zoubek, C.A. Shapiro, and G. J. Teichmeier. 2012. Large scale on-farm implementation of soil moisture-based irrigation management strategies for increasing maize water productivity. *Transactions of the ASABE* 55(3): 881-894.

- Kandalous M.M., T. Kamai, J.A. Vrugt, J. Simunek, B.R. Hanson, and J.W. Hopmans. 2012. Evaluation of subsurface drip irrigation design and management parameters for alfalfa. *Agric. Water Management*.  
Doi:10.1016/j.agwat.2012.02.009
- Lakso, A. N., V. Pagay, and A. Stroock. 2010. Development of an Embedded Microsensor for Tree and Vine Trunks to Continuously Monitor Stem Water Potentials. *International Horticulture Congress, Portugal*
- Lakso, A.N. 2012. Comparing water use efficiency of apples and grapes – physiological and morphological aspects. *International Symposium on Irrigation of Horticultural Crops, Germany*.
- Lamm F. R. and D. H. Rogers. 2012. Hydraulic considerations for SDI. In: Proc. 24th annual Central Plains Irrigation Conference, Colby, Kansas, Feb. 21-22, 2012. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 150-158.
- Lamm F. R. and D. H. Rogers. 2012. SDI, the basics of successful systems. In: Proc. 24th annual Central Plains Irrigation Conference, Colby, Kansas, Feb. 21-22, 2012. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 133-149.
- Lamm, F R and AA Aboukheira. 2011. Effect of early season water stress on corn in northwest Kansas. ASABE paper no. 1111338. Available from ASABE, St. Joseph, MI. 11 pp.
- Lamm, F. R. 2009. Oral and poster presentation of Corn management with SDI to save water resources at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. 2009. Oral and poster presentation of Corn management with SDI to save water resources at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R. 2009. Poster presentation of Comparison of SDI and simulated LEPA sprinkler irrigation for corn at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R. 2009. Poster presentation of Comparison of SDI and simulated LEPA sprinkler irrigation for corn at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. 2009. Poster presentation of Comparison of SDI and simulated LEPA sprinkler irrigation for corn at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R. 2009. Poster presentation of Comparison of SDI and simulated LEPA sprinkler irrigation for corn at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R. 2009. Poster presentation of Corn management with SDI to save water resources at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R. 2009. Poster presentation of Corn management with SDI to save water resources at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R. 2010. Poster presentation of Corn management with SDI to save water resources at 2010 Central Plains Irrigation Conference, February 23-24, Kearney NE.
- Lamm, F. R. 2011. Poster presentation of Corn management with SDI to save water resources at 2011 Central Plains Irrigation Conference, February 22-23, Burlington, Colorado.
- Lamm, F. R. 2012. Oral and poster presentation of Corn management with SDI to save water resources at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.
- Lamm, F. R. 2012. Poster presentation of Comparison of SDI and simulated LEPA sprinkler irrigation for corn at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.
- Lamm, F. R. Software to determine optimum planned corn area and plant population for SDI was updated and released to the public, January, 2010 [http://www.oznet.ksu.edu/sdi/Software/COpt\\_SDI10.xls](http://www.oznet.ksu.edu/sdi/Software/COpt_SDI10.xls)
- Lamm, F. R. 2009. Poster presentation of Slope considerations for SDI at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. 2009. Poster presentation of Slope considerations for SDI at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R. 2009. Poster presentation of Slope considerations for SDI at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R. 2009. A look at twenty years of SDI research in Kansas. Presented at the 26th Annual Water and the Future of Kansas Conf., Topeka, Kansas, March 26, 2009.

Lamm, F. R. 2009. Discussion and review of SDI economics and other SDI topics at KSU-NWREC, Colby, Kansas with Jan Windscheffel, Netafim Irrigation, January 30, 2009.

Lamm, F. R. 2009. Discussion of SDI and tour of facilities for 4 employees of 21st Century Equipment LLC., September 24, 2009 at Colby Kansas.

Lamm, F. R. 2009. Discussion of SDI and tour of facilities for Charles Johnson, National Editor for Farm Journal, May 27, 2009.

Lamm, F. R. 2009. Discussion of SDI with IA Drip/Micro Common Interest Group, San Antonio, Texas, December 4, 2009

Lamm, F. R. 2009. Managing the challenges of subsurface drip irrigation. In: Proc. 2009 Irrigation Association Tech. Conf., San Antonio, Texas, December 2-5, 2009. Available from the IA, Falls Church, VA. 23 pp.

Lamm, F. R. 2009. Poster presentation of SDI Pros and Cons at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.

Lamm, F. R. 2009. Poster presentation of SDI Pros and Cons at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.

Lamm, F. R. 2009. Poster presentation of SDI Pros and Cons at SDI Technology Field Day, Colby Kansas, August 4, 2009.

Lamm, F. R. 2009. Poster presentation of SDI Pros and Cons at SDI Technology Field Day, Halfway Texas, August 25, 2009.

Lamm, F. R. 2009. Poster presentation of The Ogallala and the potential for SDI at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.

Lamm, F. R. 2009. Poster presentation of The Ogallala and the potential for SDI at SDI Technology Field Day, Halfway Texas, August 25, 2009.

Lamm, F. R. 2009. Poster presentation of The Ogallala and the potential for SDI, at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.

Lamm, F. R. 2009. Poster presentation of The Ogallala and the potential for SDI, at SDI Technology Field Day, Colby Kansas, August 4, 2009.

Lamm, F. R. 2009. Provided approximately 50 CD-ROM Disks with SDI information to Texas AgriLife for Field Day concerning SDI held at Chillicothe, Texas, September 3, 2009.

Lamm, F. R. 2009. Software to compare the economics of conversion to center pivot sprinkler irrigation or subsurface drip irrigation from furrow irrigation for corn production was updated and released to the public, January, 2009 [http://www.oznet.ksu.edu/sdi/Software/CP\\_SDI09.xls](http://www.oznet.ksu.edu/sdi/Software/CP_SDI09.xls)

Lamm, F. R. 2009. Software to determine optimum planned corn area and plant population for SDI was updated and released to the public, January, 2009 [http://www.oznet.ksu.edu/sdi/Software/COpt\\_SDI09.xls](http://www.oznet.ksu.edu/sdi/Software/COpt_SDI09.xls)

Lamm, F. R. 2009. Poster presentation of What is SDI? at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.

Lamm, F. R. 2009. Poster presentation of What is SDI? at SDI Technology Field Day, Colby Kansas, August 4, 2009.

Lamm, F. R. 2012. Poster presentation of SDI Pros and Cons at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.

Lamm, F. R. 2012. Poster presentation of The Ogallala and the potential for SDI at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.

Lamm, F. R. 2012. Poster presentation of What is SDI? at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.

Lamm, F. R. 2012. Video poster presentation of Managing the challenges of subsurface drip irrigation in the Great Plains region at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.

Lamm, F. R. 2012. Tour of SDI facilities and discussion of SDI research for David Mack and Ami Gips, Netafim Irrigation, February 23, 2012.

Lamm, F. R. Discussion of SDI research with Bobby Bassi, Syngenta Chemical, August 2, 2010 at KSU-NWREC, Colby Kansas.

Lamm, F. R. Discussion of SDI research with Syngenta staff, Greensboro, North Carolina, December 2, 2010.



- Lamm, F. R. Discussion of SDI technology with Farm Bureau Master's program, September 30, 2010 at KSU-NWREC, Colby Kansas.
- Lamm, F. R. Software to compare the economics of conversion to center pivot sprinkler irrigation or subsurface drip irrigation from furrow irrigation for corn production was updated and released to the public, January, 2010. [http://www.oznet.ksu.edu/sdi/Software/CP\\_SDI10.xls](http://www.oznet.ksu.edu/sdi/Software/CP_SDI10.xls)
- Lamm, F. R. 2009. A look at twenty years of SDI research in Kansas. In: Proc. Central Plains Irrigation Conf., Colby, KS., Feb. 24-25, 2009. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 152-176.
- Lamm, F. R. 2009. Managing the challenges of subsurface drip irrigation. In: Proc. 2009 Irrigation Association Tech. Conf., San Antonio, Texas, December 2-5, 2009. Available from the IA, Falls Church, VA. 23 pp.
- Lamm, F. R. 2009. Unique challenges with subsurface drip irrigation. ASABE paper no. 095927. Available from ASABE, St. Joseph, MI. 25 pp.
- Lamm, F. R. 2011. Oral powerpoint presentation of Twenty-Two Years of Progress with SDI in Kansas at Sino-US Workshop on Microirrigation, Beijing China, April 23, 2011
- Lamm, F. R. 2011. Oral powerpoint presentation of Unique Challenges with Subsurface Drip Irrigation at Sino-US Workshop on Microirrigation, Beijing China, April 23, 2011
- Lamm, F. R. 2011. Oral powerpoint presentation of Some Design and Management Thoughts for SDI Systems to Inner Mongolia Jin Tu Di Water-Saving Engineering Equipment Company near Wengniute, Chifeng, China, April 26, 2011
- Lamm, F. R. 2011. Tour of SDI and Lateral-Move sprinkler facilities and area sunflower producer for 5 individuals from Argentina, July 25-26, 2011
- Lamm, F. R. 2011. Tour of SDI facilities for KSU administrative staff, Geneva Jahnke, Terri Fayle, Doug Elcock and Bob Gillen, July 19, 2011.
- Lamm, F. R. 2012. Oral powerpoint presentation of The potential for conserving water with SDI for corn production at the Governor's Water Conference, Manhattan, Kansas, October 30-31, 2012.
- Lamm, F. R. 2012. Tour of SDI facilities and discussion for Dow group (Al Green and Cecelia Topher, August 14, 2012.
- Lamm, F. R. 2012. Tour of SDI facilities and discussion for Monsanto TDR group, September 19, 2012.
- Lamm, F. R. 2012. Tour of station and SDI facilities and discussion for Iryne McDonald and agronomy class from Colby Community College, October 3, 2012
- Lamm, F. R. and A. A. Abou Kheira. 2009. Oral presentation of SDI research to Syngenta staff, Greensboro, North Carolina, December 8, 2009.
- Lamm, F. R. and A. A. Abou Kheira. 2009. Corn irrigation macromanagement at the seasonal boundaries !! Initiating and terminating the irrigation season. In: Proc. Central Plains Irrigation Conf., Colby, KS., Feb. 24-25, 2009. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 40-60.
- Lamm, F. R. and A. A. Aboukheira. 2012. Effect of late season water stress on corn in northwest Kansas. ASABE paper no. 121337206. Available from ASABE, St. Joseph, MI. 10 pp.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of How can I use records of pressure and flow measurements to diagnose SDI system problems? at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of How can I use records of pressure and flow measurements to diagnose SDI system problems? at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of How can I use records of pressure and flow measurements to diagnose SDI system problems? at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of How can I use records of pressure and flow measurements to diagnose SDI system problems? at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Minimal system requirements for SDI at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.

- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Minimal system requirements for SDI at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Minimal system requirements for SDI at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Minimal system requirements for SDI at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Steps to a successful SDI system at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Steps to a successful SDI system at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Steps to a successful SDI system at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R. and D. H. Rogers. 2009. Poster presentation of Steps to a successful SDI system at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R. and D. H. Rogers. 2010. Poster presentation of Minimal system requirements for SDI at 2010 Central Plains Irrigation Conference, February 23-24, Kearney NE.
- Lamm, F. R. and D. H. Rogers. 2011. Poster presentation of How can I use records of pressure and flow measurements to diagnose SDI system problems? at 2011 Central Plains Irrigation Conference, February 22-23, Burlington, Colorado.
- Lamm, F. R. and D. H. Rogers. 2011. Poster presentation of Minimal system requirements for SDI at 2011 Central Plains Irrigation Conference, February 22-23, Burlington, Colorado.
- Lamm, F. R. and D. H. Rogers. 2011. Poster presentation of Steps to a successful SDI system at 2011 Central Plains Irrigation Conference, February 22-23, Burlington, Colorado.
- Lamm, F. R. and D. H. Rogers. 2012. Poster presentation of How can I use records of pressure and flow measurements to diagnose SDI system problems? at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.
- Lamm, F. R. and D. H. Rogers. 2012. Poster presentation of Minimal system requirements for SDI at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.
- Lamm, F. R. and D. H. Rogers. 2012. Poster presentation of Steps to a successful SDI system at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.
- Lamm, F. R. and D.H. Rogers. 2012. Hydraulic consideration for SDI systems. In: Proc. 2012 Irrigation Association Tech. Conf., Orlando, Florida, November 4-5, 2012. Available from the IA, Falls Church, VA. CD-Rom, 9 pp.
- Lamm, F. R. and G. A. Clark. 2009. Poster presentation of Filtration for SDI systems at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R. and G. A. Clark. 2009. Poster presentation of Filtration for SDI systems at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. and G. A. Clark. 2009. Poster presentation of Filtration for SDI systems at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R. and G. A. Clark. 2009. Poster presentation of Filtration for SDI systems at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R. and G. A. Clark. 2012. Poster presentation of Filtration for SDI systems at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.
- Lamm, F. R. and R. M. Aiken. 2009. Poster presentation of SDI with Temperature-Time Threshold (TTT) at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R. and R. M. Aiken. 2009. Poster presentation of SDI with Temperature-Time Threshold (TTT) at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R. and R. M. Aiken. 2009. Poster presentation of SDI with Temperature-Time Threshold (TTT) at SDI Technology Field Day, Colby Kansas, August 4, 2009.

- Lamm, F. R. and R. M. Aiken. 2009. Poster presentation of SDI with Temperature-Time Threshold (TTT) at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R., Approximately 15 hours of seminars/teaching to MS and PhD level engineering students at China Agricultural University, Beijing, China, April 16-20, 2011. Topics were microirrigation, sprinkler irrigation, water management, experimental design, creative thinking, and philosophies of technical writing in US journals.
- Lamm, F. R., 2009. Distribution of remaining 2008 SDI and the Great Plains CD-Rom at the Monsanto Sustainability Conference, Denver, Colorado, February 11-13, 2009. (Approximately 50 CDs)
- Lamm, F. R., 2009. Distribution of SDI and the Great Plains CD-Rom at Annual Ogallala Aquifer Project Meeting, March 10-12, 2009, Garden City, Kansas.
- Lamm, F. R., 2009. Distribution of SDI and the Great Plains CD-Rom to Central Plains Irrigation Conference, February 24-25, 2009. (Approximately 150 CDs)
- Lamm, F. R., 2009. SDI facilities tour and discussion at KSU-NWREC, Colby, Kansas for Nir Aloni, Plastro Irrigation, Israel, February 25-26, 2009,
- Lamm, F. R., A. A. Abou Kheira, and T. P. Trooien. 2010. Sunflower, soybean, and grain sorghum crop production as affected by dripline depth. *Applied Engr. in Agric.* 26(5):873-882.
- Lamm, F. R., D. H. Rogers, M. Alam, D. M. O'Brien, and T. P. Trooien. 2009. Summary of twenty years of Kansas SDI research. In: *Proc. 2009 Irrigation Association Technical Conference*, San Antonio, Texas, December 2-5, 2009. Available from the IA, Falls Church, VA. 24 pp.
- Lamm, F. R., D. H. Rogers, M. Alam, D. M. OBrien, and T. P. Trooien. 2009. Summary of Twenty years of Kansas SDI Research. In: *Proc. 2009 Irrigation Association Technical Conference*, San Antonio, Texas, December 2-5, 2009. Available from the IA, Falls Church, VA. 24 pp.
- Lamm, F. R., D. H. Rogers, M. Alam, D. M. OBrien, and T. P. Trooien. 2009. Twenty years of progress with SDI in Kansas. ASABE paper no. 095923. Available from ASABE, St. Joseph, MI. 23 pp.
- Lamm, F. R., D. H. Rogers, M. Alam, D. M. OBrien, and T. P. Trooien. 2010. Twenty-One Years of SDI Research in Kansas. In: *Proc. Central Plains Irrigation Conference*, Kearney, NE., Feb. 23-24, 2010. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 73-96.
- Lamm, F. R., D. M. O'Brien, D. H. Rogers, and T. J. Dumler. 2009. Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet – 2009. Presented at the 26th Annual Water and the Future of Kansas Conf., Topeka, Kansas, March 26, 2009.
- Lamm, F. R., D. M. O'Brien, D. H. Rogers, and T.J. Dumler. 2012. Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet - 2012. In: *Proc. 24th annual Central Plains Irrigation Conference*, Colby, Kansas, Feb. 21-22, 2012. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 159-169.
- Lamm, F. R., D. M. O'Brien, D.H. Rogers, and T. J. Dumler. 2012. Comparison of SDI and center pivot sprinkler economics. In: *Proc. 2012 Irrigation Association Tech. Conf.*, Orlando, Florida, November 4-5, 2012. Available from the IA, Falls Church, VA. CD-Rom,10 pp.
- Lamm, F. R., D. M. OBrien, D. H. Rogers, and T. J. Dumler. 2009. Using the K-State center pivot sprinkler and SDI economic comparison spreadsheet !! 2009. In: *Proc. Central Plains Irrigation Conf.*, Colby, KS., Feb. 24-25, 2009. Available from CPIA, 760 N.Thompson, Colby, KS. pp. 177-187.
- Lamm, F. R., J. P. Bordovsky, L. J. Schwankl, G. L. Grabow, J. Enciso-Medina, R. T. Peters, P. D. Colaizzi, T. P. Trooien, and D. O. Porter. 2010. Subsurface drip irrigation: Status of the technology in 2010. In: *Proc. 5th National Decennial Irrigation Conf.*, ASABE and the Irrigation Association, Phoenix, Arizona, December 5-8. 14 pp.
- Lamm, F. R., K. Harmony, S. Johnson, and M. Alam. 2009. Poster presentation of Alfalfa production with SDI at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R., K. Harmony, S. Johnson, and M. Alam. 2009. Poster presentation of Alfalfa production with SDI at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R., K. Harmony, S. Johnson, and M. Alam. 2009. Poster presentation of Alfalfa production with SDI at SDI Technology Field Day, Colby Kansas, August 4, 2009.

- Lamm, F. R., K. Harmony, S. Johnson, and M. Alam. 2009. Poster presentation of Alfalfa production with SDI at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R., K. R. Harmony, A. A. Aboukheira, and S. K. Johnson. 2012. Alfalfa production with subsurface drip irrigation in the Central Great Plains. *Trans. ASABE* 55(4):1203-1212.
- Lamm, F. R., L. R. Stone, and D. M. O'Brien. 2009. Poster presentation of Spacing of driplines for corn production at 2009 Irrigation Association Technical Conference, San Antonio, Texas, December 2-5, 2009.
- Lamm, F. R., L. R. Stone, and D. M. O'Brien. 2009. Poster presentation of Spacing of driplines for corn production at K-State Research and Extension Annual Conference, Manhattan, Kansas, October 20, 2009.
- Lamm, F. R., L. R. Stone, and D. M. O'Brien. 2009. Poster presentation of Spacing of driplines for corn production at SDI Technology Field Day, Colby Kansas, August 4, 2009.
- Lamm, F. R., L. R. Stone, and D. M. O'Brien. 2009. Poster presentation of Spacing of driplines for corn production at SDI Technology Field Day, Halfway Texas, August 25, 2009.
- Lamm, F. R., P. D. Colaizzi, J. P. Bordovsky, T. P. Trooien, J. Enciso-Medina, D. O. Porter, D. H. Rogers, and D. M. OBrien. 2010. Can Subsurface Drip Irrigation (SDI) be a Competitive Irrigation System in the Great Plains Region for Commodity Crops? In: *Proc. 5th National Decennial Irrigation Conf., ASABE and the Irrigation Association, Phoenix, Arizona, December 5-8. 15 pp.*
- Lamm, F.R. 2009. Discussion of SDI and tour of facilities for Dean and Associate Deans of KSU College of Agriculture, October 6, 2009 at Colby Kansas.
- Lamm, F.R. 2009. Discussion of SDI and tour of facilities for Farm Bureau's Master Program, October 9, 2009 at Colby Kansas.
- Lamm, F.R. 2009. Discussion of SDI and tour of facilities for Julio Santiago, Jain Irrigation, October 29, 2009 at Colby Kansas.
- Lamm, F.R. 2009. Discussion of SDI and tour of KSU-NWREC SDI facilities at Colby, Kansas with Lance Goldsmith and Matt Newsom, Eurodrip USA, Inc., April 23.
- Lamm, F.R. 2009. LCD-TV JPEG presentation of Historical Photos from KSU Northwest Research-Extension Center Subsurface Drip Irrigation Installations from 1989 and 1990 at Annual Ogallala Aquifer Project Meeting, March 10-12, 2009, Garden City, Kansas.
- Lamm, F.R. 2009. LCD-TV JPEG presentation of Historical Photos from KSU Northwest Research-Extension Center Subsurface Drip Irrigation Installations from 1989 and 1990 at Central Plains Irrigation Conference, February 24-25, 2009, Colby, Kansas.
- Lamm, F.R. 2009. LCD-TV JPEG presentation of Historical Photos from KSU Northwest Research-Extension Center Subsurface Drip Irrigation Installations from 1989 and 1990 at the 26th Annual Water and the Future of Kansas conference, Topeka, Kansas, March 26, 2009.
- Lamm, F.R. 2009. LCD-TV JPEG presentation of sensitivity of center pivot sprinkler and SDI economic comparisons at Annual Ogallala Aquifer Project Meeting, March 10-12, 2009, Garden City, Kansas.
- Lamm, F.R. 2009. LCD-TV JPEG presentation of Sensitivity of center pivot sprinkler and SDI economic comparisons at the 26th Annual Water and the Future of Kansas conference, Topeka, Kansas, March 26, 2009.
- Lamm, F.R. 2009. Poster presentation of Livestock Wastewater use through SDI – A Pilot Project at Central Plains Irrigation Conference, February 24-25, 2009, Colby, Kansas.
- Lamm, F.R. 2009. Poster presentation of Optimum Fertigation for Corn Using SDI at Central Plains Irrigation Conference, February 24-25, 2009, Colby, Kansas.
- Lamm, F.R. 2009. Poster presentation of SDI in the Great Plains at Annual Ogallala Aquifer Project Meeting, March 10-12, 2009, Garden City, Kansas.
- Lamm, F.R. 2009. Poster presentation of SDI in the Great Plains at at the 26th Annual Water and the Future of Kansas conference, Topeka, Kansas, March 26, 2009.
- Lamm, F.R. 2009. Poster presentation of SDI in the Great Plains at Central Plains Irrigation Conference, February 24-25, 2009, Colby, Kansas.

- Lamm, F.R. 2009. Poster presentation of Software for Planning Corn Production with SDI at Central Plains Irrigation Conference, February 24-25, 2009, Colby, Kansas.
- Lamm, F.R. 2010. Twenty-One Years of SDI Research in Kansas. Presentation at the California Irrigation Institute annual conference, February 1-2, Sacramento, California.
- Lamm, F.R. 2012 Presentation to Colby Community College Agricultural Seminar class, January 31, 2012 at KSU-NWREC. Topic was agricultural research centers and SDI. 1 hour presentation.
- Lamm, F.R. 2012. Poster presentation of Application of biological effluent with SDI at the Governor's Water Conference, Manhattan, Kansas, October 30-31, 2012.
- Lamm, F.R. 2012. Poster presentation of Post-Anthesis Irrigation Management for Corn at the Governor's Water Conference, Manhattan, Kansas, October 30-31, 2012.
- Lamm, F.R., J. P. Bordovsky, L. J. Schwankl, G. L. Grabow, J. Enciso-Medina, R. T. Peters, P. D. Colaizzi, T. P. Trooien, and D. O. Porter. 2012. Subsurface drip irrigation: Status of the technology in 2010. *Trans. ASABE* 55(2): 483-491.
- Lamm, F.R., T. P. Trooien, and A. J. Schlegel. 2012. Oral and Poster presentation of Application of biological effluent with SDI at Central Plains Irrigation Conference, Colby, Kansas, February, 21-22, 2012.
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- Prestwich, C. 2010. Presentation of Drip Design to USDA-NRCS personnel, Ephrata, Washington, March 13, 2010.
- Prestwich, C. 2010. Presentation of Drip Design webinar to USDA-NRCS and Soil Conservation District personnel in all 50 states, May 4-5, 2010.
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- Rivera, Luis. 2010. Establishment of Forage legumes and forage grasses using sub-surface irrigation under the semiarid conditions of Southern Puerto Rico . Poster presented at the celebration of the Century Anniversary of Puerto Rico Agricultural Experiment Station. Juana Díaz Agricultural Research Station, University of Puerto Rico. May 10, Juana Díaz, Puerto Rico .
- Rivera, Luis. 2012 Conference: Nutrients and irrigation management for vegetables production, October 17, in coordination with Land Authority at Guánica, Puerto Rico.
- Rivera, Luis. 2012 Field Day - Subsurface irrigation experiments at the Agricultural Experiment Station of Juana Díaz. Open House – Celebration of the Century Anniversary of Agricultural Experiment Station. Juana Diaz Research Station, University of Puerto Rico . May 10, 2010.
- Robinson, T. and A. Lakso. 2009. Precision Thinning and Precision Irrigation. Presentation to the Great Lakes Fruit Workers Annual Conference.
- Rogers, D. 2010 As part of their training, the KELP (Kansas Environmental Leadership Program) toured an SDI field near Garden City on May 19. Kent Shaw, MIL program coordinator, conducted the tour, along with the producer.
- Rogers, D. 2010. Presentation to KSU ATM class on irrigation systems which included a review of SDI systems. October 18.
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- Sammis, T.W., M.K. O'Neill, and J. Wang. 2013 (in press). Estimating economic value of research projects. *Research Bulletin, Agricultural Experiment Station and Cooperative Extension Service, New Mexico State University, Las Cruces, NM.*
- Sammis, T., P. Sharma, M.K. Shukla, J. Wang, and D. Miller 2012. A water-balance drip-irrigation scheduling model. *Agricultural Water Management* 113:30–37
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- Sanden B., A. Fulton, D. Doll, K. Shackel. 2012. Defining a Central Valley Almond ET/Yield Production Function for Almonds. Annual Research Conference of the Almond Board of California.
- Sanden, B, P.H. Brown, R. Snyder. 2012. New insights on water management in almonds. Regulatory Issues Impacting California Agriculture Visalia, California 7-8 Feb, 2012 Proceedings: Amer. Soc. Agron. Calif. Chap. pp. 88-93. Univ. Calif. Davis, <http://calasa.ucdavis.edu>
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- Schwankl, L. 2009. Fine Tuning Your Microirrigation System for the Drought- 30 min, Presenter, Almond Growers, Colusa County, 2/19/09, 100 Attendees.
- Schwankl, L. 2011. Control of Drip Irrigation Systems - 30 min., Invited Speaker, Growers of San Joaquin Valley Winegrowers Assoc., Tulare County, CA, 4/28/11, 20 Attendees.
- Schwankl, L. 2011. Measuring Flow in Drip Irrigation Systems - 45 min., Invited Speaker, Sonoma Co. winegrape growers & consultants, Sonoma, CA, 2/23/11, 200 Attendees.
- Schwankl, L. 2012. Subsurface Drip Irrigation in Almonds - 40 min., Invited Speaker, S. Sacramento Valley almond growers, Colusa Co., CA, 2/2/12, 100 Attendees.

- Schwankl, L. 2009. Chemigation & Making the Most of Your Microirrigation System- 45 min, Presenter, CAPCA Meeting, Fresno, CA, 10/15/09, 125 Attendees.
- Schwankl, L. 2009. Drip Irrigation Systems and Maintenance- 1 hr, Presenter, UC Winegrape Short Course, Davis, CA, 2/25/09, 100 Attendees.
- Schwankl, L. 2009. Fine Tuning Your Microirrigation System- 30 min, Presenter, Almond Drought Meeting, Stanislaus County, CA, 3/31/09, 250 Attendees.
- Schwankl, L. 2009. Fine Tuning Your Microirrigation System- 30 min, Presenter, Pistachio Day, Visalia, CA, 1/14/09, 225 Attendees.
- Schwankl, L. 2009. Maintaining Drip Irrigation Systems- 45 min, Presenter, Grower Meeting, Indio, CA, 6/10/09, 25 Attendees.
- Schwankl, L. 2009. Maintenance and Management of Winegrape Drip Systems- 1.5 hr, Presenter, Lodi-Woodbridge Winegrape Commission Grower Workshop, Lodi, CA, 1/13/09, 75 Attendees.
- Schwankl, L. 2009. Maintenance of Drip Systems- 40 min, Presenter, Tomato Grower Meeting, Stockton, CA, 2/10/09, 50 Attendees.
- Schwankl, L. 2009. Maintenance of Microirrigation Systems When Using Well Waters- 30 min, Presenter, Grower Meeting, Westside REC, Five Points, CA, 4/15/09, 80 Attendees.
- Schwankl, L. 2009. Microirrigation Maintenance & Chemigation Uniformity- 30 min, Presenter, UCCE & NRCS Grower Meeting, Stanislaus County, CA, 8/4/09, 120 Attendees.
- Schwankl, L. 2010. Drip Irrigation Systems for Winegrapes- 30 min, Presenter, UC Winegrape Short Course, 2/24/10, 200 Attendees.
- Schwankl, L. 2010. Maintaining Microirrigation Systems- 45 min, Presenter, Citrus Growers Meeting, Tulare, CA, 4/30/10, 50 Attendees.
- Schwankl, L. 2010. Maintenance and Chemigation of Drip Irrigation Systems - 1 hr, Presenter, Grape Growers Meeting, San Luis Obispo, CA, 5/18/10, 100 Attendees.
- Schwankl, L. 2010. Maintenance of Microirrigation Systems- 30 min, Presenter, Tree Crop Meeting, Lake County, CA, 2/17/10, 30 Attendees.
- Schwankl, L. 2010. Managing Your Drip System - 45 min, Invited Speaker, Tehama Co. walnut growers & consultants, Red Bluff, CA, 12/17/2010, 100 Attendees.
- Schwankl, L. 2010. Filters & Maintenance of Drip Irrigation- 20 min, Presenter, California Agronomy Society Conference, Tulare, CA, 2/4/10, 75 Attendees.
- Schwankl, L. 2011. Microirrigation Systems - Water and Energy Efficiency- 45 min., Invited Speaker, Growers, Yolo County, 3/3/11, 50 Attendees.
- Schwankl, L. 2011. Subsurface Drip Irrigation in Seed Alfalfa - 25 min., Invited Speaker, Seed alfalfa growers & consultants, Westside REC, 3/9/11, 25 Attendees.
- Schwankl, L. 2012. Drip Irrigation of Processing Tomatoes - 45 min., Invited Speaker, Growers, Stockton, CA, 3/9/12, 30 Attendees.
- Schwankl, L. 2012. Subsurface Drip Irrigation in Blackeye Production - 30 min., Invited Speaker, Growers & consultants at UC Blackeye Field Day, UC Kearney Ag Center, 8/1/12, 15 Attendees.
- Schwankl, L., and T. Prichard. 2012. Chapter 11 - Irrigation Systems. UC ANR Prune Production Manual, pp. 99-109.
- Shackel K, J. Edstrom, A. Fulton, Br. Lampinen, L. Schwankl, A. Olivos, W. Stewart, S. Cutter, S. Metcalf, H. Munoz, G. Spinelli. 2012. Drought Survival Strategies for Established Almond Orchards on Shallow Soil. Annual Research Conference of the Almond Board of California.
- Shackel K., B. Sanden, B. Lampinen, S. Metcalf, G. Spinelli, P. Brown, S. SaaSilva, S. Muhammad, W. Stewart, J. Edstrom, R. Duncan, R. Rosecrance, B. Beede, F. Niederholzer, A. Olivos. 2012. Fertigation: Interaction of Water Management and Nutrient Management in Almond. Annual Research Conference of the Almond Board of California.

- Shackel K., D. Doll, C. Reisser, E. Russell. 2012. Plant-Based Measures of Water Stress for Irrigation Management in Multiple Almond Varieties. Annual Research Conference of the Almond Board of California.
- Shackel K.A. 2011. A plant-based approach to deficit irrigation in trees and vines. *HortTechnology* 46:173-177
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- Shackel, K, B Sanden, B Lampinen, S Metcalf, G Spinelli, P Brown, S Saa Silva, S Muhammad, W Stewart, J Edstrom, R Duncan, R Rosecrance, B Beede, F Niederholzer, A Olivos. 2011. Fertigation: Interaction of Water Management and Nutrient Management in Almond. Annual Research Conference of the Almond Board of California.
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- Shackel, K., T. Prichard, and L. Schwankl. 2012. Chapter 12 - Irrigation Scheduling and Tree Stress. UC ANR Prune Production Manual ANR Publication 3507, pp. 111-126.
- Shackel, K.A. 2009. Training video on the web describing the operation of the pressure chamber, which is used for plant-based RDI management. Released to the public, April 2009  
<http://www.chlorofilms.org/index.php/crpVideo/display/video/27>
- Shannahan, J., M. Rupert, J. Schussler, J. Groeteke, F. Lamm, M. Dowgert, J. Vikupitz and J. Hunt. 2012. Subsurface drip irrigation for corn production and research. *Crop Insights* 22(11):1-4.
- Sharma P. and M.K. Shukla and T. Sammis. 2009. Nitrate-nitrogen and chloride leaching in Onion fields under Furrow and Drip irrigation system. ASA-CSSA-SSSA, Joint Annual Meeting, November 1-5, 2009, Pittsburgh, PA.
- Sharma P. and M.K. Shukla and T. Sammis. 2009. Nitrate-nitrogen leaching and irrigation efficiencies in Onion fields under Furrow and Drip irrigation system. WRRRI Conference, Socorro, August. 11.
- Sharma P., M.K. Shukla and T. Sammis. 2010. Predicting soil temperature using air temperature and soil and meteorological parameters. *Applied Engineering in Agriculture*. 26(1):47-58.
- Sharma, P., M. K. Shukla, and J. Mexal. 2010. Spatial variability of soil hydraulic properties in agricultural fields of Southern New Mexico: Implication on irrigation management. New Mexico Water Research Symposium held in New Mexico Tech Campus, Socorro, NM, August 3, 2010.
- Sharma, P., M. K. Shukla, J. Mexal, and T. W. Sammis. 2010. Spatial variability of soil properties in agricultural fields of Southern New Mexico. 2010 International annual meetings, ASA-CSSA-SSSA, Oct. 31-Nov. 4, 2010, Long Beach, CA.
- Sharma, P., M. K. Shukla, T. W. Sammis and P. Adhikari. 2012. Nitrate-Nitrogen Leaching from Onion Bed under Furrow and Drip Irrigation Systems. *Journal of Applied and Environmental Soil Science*, Vol. 2012, doi:10.1155/2012/650206.
- Sharma, P., M. K. Shukla, T. W. Sammis, R.L. Steiner and J. G. Mexal. 2012. Nitrate-Nitrogen Leaching from three Specialty Crops of New Mexico under Furrow Irrigation System. *Ag Water Management*. 109:71-80.
- Sharma, V. and S. Irmak. 2012. Mapping spatially-interpolated precipitation, reference evapotranspiration, actual crop evapotranspiration, and net irrigation requirements: Part II. Actual crop evapotranspiration and net irrigation requirements. *Transactions of the ASABE* 55(3): 923-936.
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- Shober, A.L., C. Wiese, G.C. Denny, C.D. Stanley, and B.K. Harbaugh. 2011. Plant Performance and Nutrient Losses during Containerized Landscape Shrub Production using Composted Dairy Manure Solids as a Peat Substitute in Substrate. *HortTechnology* 21(2): 240-245.
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- Shock, C.C. 2009. Irrigation scheduling by soil water potential. International Irrigation Show of the Irrigation Association. Dec 2 - 4, 2009. San Antonio, TX
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- Shock, C.C. 2010. Onion irrigation scheduling. Drip Irrigation Conference, Clearwater Supply, February 3, 2010. Ontario, OR.
- Shock, C.C. 2012. Cooperative progress on cleaning up groundwater through BMPs. Malheur Country Historical Society, Ontario, OR, 9 February.
- Shock, C.C. 2012. Native plant irrigation for seed production. Native Plant Seed Production Field Day. OSU Malheur Experiment Station. 16 May 2012. Ontario, OR. In Oregon State University Agricultural Experiment Station, Malheur Experiment Station Annual Report 2010, Department of Crop and Soil
- Shock, C.C. 2012. Onion production tour. Summer Farm Festival, OSU Malheur Experiment Station. 11 July 2012. Ontario, OR. Shock, C.C. 2012. Wildflower and native plant seed production. Summer Farm Festival, OSU Malheur Experiment Station. 11 July 2012. Ontario, OR.
- Shock, C.C. 2012. OSUs program in Malheur County. Ontario Kiwanis, Ontario, OR, 11 April. Also presented to the Ontario Chamber of Commerce, Ontario, OR, 30 April.
- Shock, C.C. 2012. Progress on cleaning up groundwater through BMPs. Idaho/Malheur County, Oregon Onion Growers 52nd Annual Meeting. 07 February 2012. Ontario, OR.
- Shock, C.C. 2012. Technology for youth. Summer Farm Festival, OSU Malheur Experiment Station. 11 July 2012. Ontario, OR.
- Shock, C.C. 2012. Water quality and farm practices. Summer Farm Festival, OSU Malheur Experiment Station. 11 July 2012. Ontario, OR.
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- Shock, C.C., E.B.G. Feibert, and M. Keller. 2012. Evaluation of AgZyme® in onion production. p 66-67 In Shock C.C. (Ed.) Oregon State University Agricultural Experiment Station, Malheur Experiment Station Annual Report 2011, Department of Crop and Soil Science Ext/CrS 141.
- Shock, C.C., E.B.G. Feibert, L.B. Jensen, and P. Richerson. 2010. Improving onion production while reducing nitrate loading. In Reducing Water Quality Impacts From Horticultural Crop Production. Annual Conference of the American Society of Horticulture Science, August 1-5, 2010, Palm Desert, CA.
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