Publications and Presentations for Objective 1
Compare irrigation scheduling technologies and develop grower-appropriate scheduling products


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


Discussion of agricultural research and SDI technology with Farm Bureau Master’s program, October 6, 2011 at KSU-NWREC, Colby Kansas.


Marek, Thomas, Thomas Scherer, Dana Porter, Danny Rogers, Joseph Henggeler, and Terry Howell. 2010. What Will it Take to Get Irrigators to Use Advisory Programs? Lessons Learned from the Past 10 Years and Beyond. ASABE Paper No. IRR10-9683. Proceedings of the 5th Decennial Irrigation Symposium, The Irrigation Association and American Society of Agricultural and Biological Engineers, Phoenix, AZ. December 4-8, 2010.


Parsons L. 2010. Recovering from the freeze. Florida Grower 103(4):44-.

Parsons L. 2011. Goin' with the phloem. Florida Grower 104(8):32-.


Parsons, L. 2010. FARMS – A cost share program for growers. Florida Grower 103(2):.


Porter, D., O. 2012. Maximizing Water from the Pump to the Plant. Swisher County Spring Ag Conference. Tulia, TX. 04/04/12.


Porter, Dana. 2009. Soil Moisture and Efficient Irrigation Management. Hale and Swisher Counties Crop Conference, Plainview, TX.02/10/09

Porter, Dana. 2009. Technology Transfer and the Ogallala Aquifer Program. 2009 Annual Meeting of the USDA-ARS Ogallala Aquifer Initiative research group, Garden City, Kansas. 03/10/09 - 03/12/09.


Porter, Dana. 2010. Subsurface Drip Irrigation. Terry County SDI Workshop, Brownfield, TX. 01/19/10.


Presentation of Corn irrigation macromanagement at the seasonal boundaries – Initiating and terminating the irrigation season, at the Monsanto Sustainability Conference, Denver February 11-13, 2009, Denver.


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/videoId/27


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. 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. Technology for youth. Summer Farm Festival, OSU Malheur Experiment Station. 11 July 2012. Ontario, OR.


Van Arkel, Z. and A. Kaleita. 2012. Interpolating soil moisture patterns with inverse distance weighting based on physical characteristics. Poster presented at the 2012 Annual International Meeting of the ASABE, Dallas, TX.

**Publications and Presentations for Objective 2**

**Develop design, management and maintenance recommendations**


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.


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 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.


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_SD10.xls


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_SDIO9.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_SDIO9.xls


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 technology with Farm Bureau Master’s program, September 30, 2010 at KSU-NWREC, Colby Kansas.


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., 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. 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. 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.


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.


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. 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. Drip Irrigation Systems and Maintenance- 1 hr, Presenter, UC Winegrave Short Course, Davis, CA, 2/25/09, 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. 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.


**Publications and Presentations for Objective 3**

**Develop best management practices for application of agrochemicals**


Brown, P. 2012. Foliar fertilization of tree crops. ASHS. Miami FL.


Román-Paoli, E. 2012. Efecto de diferentes métodos de fertilización y manejo de agua en el rendimiento del cultivo de piña y limones. Fruits Commodity Annual Meeting, Corozal Substation, Agricultural Experiment Station. February 3, 2012, Corozal PR.


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. Water quality and farm practices. Summer Farm Festival, OSU Malheur Experiment Station. 11 July 2012. Ontario, OR.


Publications and Presentations for Objective 4
Evaluate use of non-potable water through microirrigation


Lesikar, Bruce. 2009. LPD Design. 7th Annual Texas On-site Wastewater Treatment Research Council Conference, Waco, Texas, 03/03/09-03/04/09.


http://www.crec.ifas.ufl.edu/extension/irrigation/index.htm

Parsons, L. R. and E. Felter. Updated since 2008. Reclaimed Water: Can I use it on my lawn?
http://www.crec.ifas.ufl.edu/extension/irrigation/index.htm

Parsons, L. R. and E. Felter. Updated since 2008. Reclaimed Water: What is it?
http://www.crec.ifas.ufl.edu/extension/irrigation/index.htm

Parsons, L. R. and E. Felter. Updated since 2008. Reclaimed Water: Where is it used?
http://www.crec.ifas.ufl.edu/extension/irrigation/index.htm


