

Career Publications of Gary A. Clark

Refereed Publications

- J. Puig-Bargués, F. R. Lamm, T. P. Trooien, and **G. A. Clark**. 2010. Effect of dripline flushing on subsurface drip irrigation systems. *Transactions of the ASABE*. 53(1):147-155.
- Leffert, M., ***G. A. Clark**., S.L. Hutchinson, C.L. Barden. 2008. Evaluation of poplar trees irrigated with livestock lagoon wastewater. *Transactions of the ASABE*. 51(6):2051-2060.
- Dogan, E. *, **G. A. Clark**., D. H. Rogers, V. L. Martin, and R. L. Vanderlip. 2006. On-Farm scheduling studies and CERES-Maize simulation of irrigated corn. *Applied Engineering in Agriculture*. 22(4):509-516.
- Klocke, N. L., L. R. Stone, **G. A. Clark**, T. J. Dumler, and S. Briggeman. 2006. Water Allocation Model for Limited Irrigation. *Applied Engineering in Agriculture*. 22(3):373-381.
- Clark, G.A.**, E. Dogan *, D. H. Rogers, and V. L. Martin. 2006. Evaluation of IrriGage Collectors to Measure Irrigation Depths from Low Pressure Sprinklers. *Applied Engineering in Agriculture*. 22(1):63-72
- Gehl, R.J., J.P. Schmidt, L.R. Stone, A. J. Schlegel, and **G. A. Clark**. 2005. In situ measurements of nitrate leaching implicate poor nitrogen and irrigation management on sandy soils. *J. Environ. Qual.* 34:2243-2254.
- Clark, G. A.**, F.R. Lamm and D. H. Rogers. 2005. Sensitivity of thin-walled drip tape emitter discharge to temperature. *Applied Engineering in Agriculture*. 21(5):855-863.
- Clark, G. A.**, D. H. Rogers, E. Dogan *, and R. Krueger. 2004. The IrriGage: A non-evaporating in-field precipitation gage. *Applied Engineering in Agriculture*. 20 (4):463-466.
- Lamm, F.R., A. Schlegel, and **G. A. Clark**. 2004. Development of a best management practice for nitrogen fertigation of corn using SDI. *Applied Engineering in Agriculture*. 20(2):211-220.
- Clark, G. A.**, K. Srinivas, D. H. Rogers, R. Stratton, and V. L. Martin. 2003. Measured and simulated uniformity of low drift nozzle sprinklers. *Transactions of the ASAE*. 46(2):321-330.
- Clark, G.A.**, C. D. Stanley, and D. N. Maynard. 2000. Municipal solid waste compost (MSWC) as a soil amendment in irrigated vegetable production. *Transactions of the ASAE*. 43(4):847-853.
- Trooien, T. P., F. R. Lamm, L. R. Stone, M. Alam, D. H. Rogers, **G. A. Clark**, and A. J. Schlegel. 2000. Subsurface drip irrigation using livestock wastewater: Dripline flow rates. *Applied Engineering in Agriculture*. 16(5):505-508.
- O'Brien, D. M., D. H. Rogers, F. R. Lamm, and **G. A. Clark**. 1998. An economic comparison of subsurface drip and center pivot sprinkler irrigation systems. *Applied Engineering in Agriculture*. 14(4):391-398.
- Clark, G.A.** and A. G. Smajstrla. 1996. Injecting chemicals into drip irrigation systems. *HortTechnology*, 6(3):160-164.
- Clark, G.A.** and A. G. Smajstrla. 1996. Design considerations for vegetable crop drip irrigation systems. *HortTechnology*, 6(3):155-159.
- Clark, G.A.**, D. N. Maynard, and C. D. Stanley. 1996. Drip-irrigation management for watermelon in a humid region. *Applied Engineering in Agriculture*, 12(3):335-340.
- Clark, G.A.**, E. E. Albregts, C.D. Stanley, A.G. Smajstrla and F.S. Zazueta. 1996. Water requirements and crop coefficients of drip irrigated strawberry plants. *Transactions of the ASAE*, 39(3):905-913.

- Stanley, C. D. and **G. A. Clark**. 1995. Effect of reduced water table and fertilizer levels on subirrigated tomato production. *Applied Engineering in Agriculture*, 11(3):385-388.
- Downey, D^{*}, W. D. Graham, and **G. A. Clark**. 1994. An inexpensive system to measure water level rise during the Bouwer and Rice slug test. *Transactions of the ASAE*. 10(2):247-253.
- Clark, G.A.**, C.D. Stanley, and F.S. Zazueta. 1993. Qualitative sensing of water movement from a point-source emitter on a sandy soil. *Applied Engineering in Agriculture*. 9(3):299-303.
- Hochmuth, G.J., S.J. Locacio, T.E. Crocker, C.D. Stanley, **G. A. Clark**, and L.R. Parsons. 1993. Impact of microirrigation on Florida Horticulture. *HortTechnology*. 3(2):223-229.
- Clark, G.A.** and D.N. Maynard. 1992. Vegetable production on various bed widths using drip irrigation. *Applied Engineering in Agriculture*. 8(1):28-32.
- Clark, G.A.** 1992. Drip irrigation management and scheduling for vegetable production. *HortTechnology*. 2(1):32-37.
- Prevatt, J.W., C.D. Stanley, P.R. Gilreath, and **G. A. Clark**. 1992. Return-risk analysis of adopting drip irrigation. *Applied Engineering in Agriculture*. 8(1):47-52.
- Prevatt, J.W., **G. A. Clark**, and C.D. Stanley. 1992. A comparative cost analysis of vegetable irrigation systems. *HortTechnology*. 2(1):91-94.
- Clark, G.A.** and C.D. Stanley. 1992. Subirrigation by Microirrigation. *Applied Engineering in Agriculture*. 8(5):647-652.
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- Locascio, S.J., **G. A. Clark**, A.A. Csizinszky, C.D. Stanley, F.M. Olson, F. Rhoads, A.G. Smajstrla, G. Vellidis, R.J. Edling, H.Y. Hanna, M.R. Goyal, S. Crossman, and A.A. Navarro. 1992. Water and nutrient requirements for drip irrigated vegetables in humid regions. Southern Cooperative Series Bulletin 363. Southern Regional Research Project S-143. 17 p.
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- Clark, G.A.** and D. L. Reddell. 1991. Construction details and microclimate modifications of a permanently rain sheltered lysimeter system. *Transactions of the ASAE*. 34(2):429-435.
- Pitts, D. J., and **G. A. Clark**. 1991. Comparison of drip irrigation to subsurface for tomato production in southwest Florida. *Applied Engineering In Agriculture*. 7(2):177-184.
- Stanley, C.D. and **G. A. Clark**. 1991. Water table management using microirrigation tubing. *Soil Crop Sci. Soc. Fla. Proc.* 50:6-8.
- Stanley, C.D., **G. A. Clark**, E.E. Albregts, and F.S. Zazueta. 1991. Reduction of deep aquifer withdrawals for overhead-irrigated strawberry production using a runoff recovery system. *Transactions of the ASAE*. 7(2):205-208.
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- Clark, G.A.** 1990. Measurement of soil water potential. *HortScience*. 25(12):1548-1551.

Smajstrla, A. G. and **G. A. Clark**. 1982. Water stress effects on water use and yield of soybeans. Soil Crop Sci. Soc. Fla. Proc. Vol. 41, 179-181.

Clark, G.A. and A. G. Smajstrla. 1982. Water distributions in soils as influenced by irrigation depths and intensities. Soil Crop Sci. Soc. Fla. Proc. Vol. 42. 157-165.

* Former Graduate or Post-Doc Student

Book Chapters

Clark, G. A. 2003. Irrigation design steps and elements. In: *Encyclopedia of Water Science*. B.A. Stewart and T.A. Howell, ed., Marcel Dekker, Inc., New York. ISBN 0-8247-0948-9. pp. 454-458 .

Clark, G.A., D. Z. Haman, J. Prochaska, and M. Yitayew. 2007. General System Design Principles. In: *Microirrigation for Crop Production*. F. Lamm, J. Ayars, F. Nakayama ed., Elsevier, Amsterdam, The Netherlands. pp. 161-220.

Invited publications

Clark, G. A. 2000. Subsurface Drip Irrigation. In: *Soybean Management & The Land: A Best Management Practices Handbook for Growers*. American Soybean Association, Washington Representation, Washington, DC. p. 52-53.

Clark, G. A. , C. D. Stanley, A. G. Smajstrla and F. S. Zazueta. 1999. Microirrigation design considerations for sandy soil vegetable production systems. *International Water and Irrigation* 19(4):12-17.

Clark, G.A., C. D. Stanley, A. G. Smajstrla, and F. S. Zazueta. 1994. Microirrigation Design Considerations For Vegetable Production. Proc. Amer. Soc. Plasiculture Drip Irrigation Workshop. Lexington, KY. Sep. 1994. ASHS. p. 6-11.

Clark, G.A., A. G. Smajstrla, F. S. Zazueta, and D. Z. Haman. 1994. Injecting chemicals into microirrigation systems. Proc. Amer. Soc. Plasiculture Drip Irrigation Workshop. Lexington, KY. Sep. 1994. ASHS. p. 23-28.

Clark, G.A. 1993. Require conocer muchos factores como la hidraulica del suelo, el desarllo y uso de agua de las plantas, y la demanda evaporativa (Drip irrigation scheduling and management for vegetable production). *Agricultura de las Americas*. 42(4):6-12.

Clark, G.A. 1993. The right place at the right time. *Agribusiness Worldwide*. 15(4):14-23.