Fedro S. Zazueta
List of Publications

FEDRO S. ZAZUETA-RANAHAN

List of Publications

Books, Sole Author

Zazueta, F.S.
1992   Microirrigación. ICFA International, Guadalajara, México. 220 p.

Zazueta, F.S.
1992   Sistemas Fijos y Portátiles de Riego por aspersión. ICFA International, Guadalajara, México. 130 p.

Books, Coauthored

(The following were developed for workshops conducted at national and international meetings.)

F.S. Zazueta, J. Xin, D.B. Williams and H.W. Beck
1996   Visual Programming in Delphi. 6th International Conference on Computers in Agriculture. ASAE. Cancún, México. 50 p.

F.S. Zazueta, J. Xin, H.W. Beck, D.B. Williams and P. Papajorgji.
1996   Rapid Prototyping of Expert Systems (rev.). 6th International Conference on Computers in Agriculture.   ASAE. Cancún, México.48 p.

F.S. Zazueta, J. Xin, D.B. Williams and H.W. Beck
1996   Linking GIS, DBMS, ES and Simulation. 6th International Conference on Computers in Agriculture. ASAE. Cancún, México. 46 p.

H.W. Beck, D.B. Williams , J. Xin, and F.S. Zazueta
1996   Agriculture and the Internet. 6th International Conference on Computers in Agriculture. ASAE.   Cancún, México.

F.S. Zazueta and J. Xin
1993   Visual Programming for Windows. 4rth International Conference on Computers in Agriculture. IFAS-ASAE. Orlando FL

F.S. Zazueta, P. Papajorgi and J. Xin
1993   GIS in Agriculture. 4rth International Conference on Computers in Agriculture. IFAS-ASAE. Orlando FL

F.S. Zazueta.
1993   Rapid prototyping of Expert systems. 4rth International Conference on Computers in Agriculture. IFAS-ASAE. Orlando FL

CD-ROM Implementation Group.
1992   The CDROM in Florida extension. 4rd International Computer Conference on Agricultural Extension Programs. Institute of Food and Agricultural Sciences, University of Florida, Gainesville. 101 pp.

Zazueta, F.S.
1992   Expert Systems in Agriculture. 4th International Conference on Computers in Agricultural Extension Programs. Institute of Food and Agricultural Sciences, University of Florida, Gainesville.

CD-ROM Implementation Group.
1991   Florida's Electronic Information Delivery System for Cooperative Extension. Institute of Food and Agricultural Sciences. University of Florida, Gainesville, FL. 100 pp. Contributor. 111pp.

CD-ROM Implementation group.
1990   Authoring CD-ROM Systems for Extension Information Delivery. Institute of Food and Agricultural Sciences. University of Florida, Gainesville, FL. 100 pp. (authored chapters 2, 3, 8, and 11).

Jones, P.H., F.S. Zazueta, and D.G. Watson.
1990   Putting knowledge engineering to work. American Society of Agricultural Engineers Workshop. New Orleans, Louisiana. 53 p.

Books, Edited

(The following are exclusively Proceedings)

Zazueta F.S., and Jiannong Xin, Editors,
2009   Proceedings of the World Conference on Computers in Agriculture and Natural Resources. ASABE. Reno Nevada,   492 pp.

Zazueta F.S., and Jiannong Xin, Editors,
2006   Proceedings of the World Conference on Computers in Agriculture and Natural Resources. ASABE. Orlando, Florida,   806 pp.

Zazueta F.S., and Jiannong Xin, Editors,
2001   Proceedings of the World Conference on Computers in Agriculture and Natural Resources. ASAE. Iguazu Falls, Brasil,   901 pp.

Zazueta F.S., and Jiannong Xin, Editors,
1998   Proceedings of the 7th International Conference on Computers in Agriculture. ASAE. Orlando,   999 pp.

Zazueta F.S., Editor,
    1996   Proceedings of the 6th International Conference on Computers in agriculture. ASAE. Cancún, México, 1149 pp.

Watson, D., F.S. Zazueta, T. Harrison. eds.
1994   Proceedings of the 5th International Conference on Computers in Agriculture. ASAE. ST. Joseph MI.

Watson, D.G., Zazueta F.S., and D.B. Bottcher (Editors).
1992   Proc. of the 4rd International Computer Conference on Agricultural Extension Programs. Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL. 806 pp.

Zazueta, F.S., D.G. Watson and D.B. Bottcher (Editors).

1990   Proc. of the 3rd International Computer Conference on Agricultural Extension Programs. Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL. 966 pp.

Zazueta, F.S. (Editor), and D.B. Bottcher (Co-editor).
1988   Proc. of the 2nd International Computer Conference on Agricultural Extension Programs. Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL. 966 pp.

Bottcher, D.B. (Editor), and F.S.. Zazueta (Co-editor).
1986   Proc. of the 1st International Computer Conference on Agricultural Extension Programs. Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL. 874 pp.

Refereed Publications

F.B. Fialho, R.A. Bucklin, F.S. Zazueta and R.O. Myers
2004   Theoretical Model of Heat Balance in Pigs. Animal Science 2004, 79:121-134.

J. Xin, H. W. Beck, L. A. Halsey, J. H. Fletcher, F. S. Zazueta, T. Momol
2001   Development Of A Distance Diagnostic And Identification System or Plant, Insect, And Disease Problems Applied Engineering in Agriculture. Vol. 17(4): 561–565

Pérez Nieto, Samuel, René Martínez Elizondo, Rafael Acosta Hernádez, Fermín Viniegra Everling y Fedro S. Zazueta.
1999   A model to evaluate thermal effects on the hydraulic functioning of drip irrigation systems. Agrociencia 33:209-216.

G .M. Schmidt, A. G. Smajstrla, F.S. Zazueta
1997   Long-Term Variability of Monthly Total Precipitation. Trans. ASAE., Vol.40(4):1029-1039.

D.Z. Haman R.T. Pritchard, AG. Smajstrla,F.S. Zazueta, P.M. Lyrene
1997   Evaportranspiraton and Crop Cefficients for Young Blueberries in Florida. Applied Engineering in Agriculture. ASAE Trans. 13(2):209-216.

R. Testezlaf, F.S. Zazueta, T. H. Yeager
1997   A Real-Time Irrigation Control System for Greenhouse. Applied Engineering in Agriculture. ASAE Trans. 13(3):329-332.

Flavio Bello Fialho, Robert Myer, Ray A . Bucklin, Fedro S. Zazueta
1997   Simulation Model of Swine Growth and Development. ASAE Publication 01-97.

G.M. Schmidt, A.G. Smajstrla, F.S.Zazueta
1996   Parametric Uncertainty in Stochastic Precipitation Models: Wet Day Amounts, ASAE Trans. Vol.39(6):2093-2103.

E.C. French, J.A. Stricker, G. M. Prine, F.S. Zazueta, and A. E. Dudeck
1996.   Response of Perennial Peanut and St. Augustine grass to Varied Soil Moisture. American Society of Agronomy-Crop Science Society of America-Soil Science Society of America. University of Florida, Gainesville, FL.

F.S. Zazueta, J. Xin and A.G. Smajstrla.
  1993. Simulated computer-controlled Irrigation using soil water-content sensors with linear errors. Soil Crop Sci. Soc. Florida Proc. 52:102-107.

Xin, J.N., F.S. Zazueta and A.G. Smajstrla.
1993.   Simulated effects of a rain-activated irrigation shut-off-device on water use in turf irrigation. Soil Crop Sci. Soc. Florida. Proc. 52:107-114.

Zazueta F.S.., and A.G. Smajstrla.
1992   Microcomputer based control of irrigation systems. Applied Agricultural Engineering. Vol. 8(5): 593-596.

Nelson, J.S., D.D. Dankel II, P.H. Jones, and F.S.. Zazueta.
1992   Applied automated knowledge acquisition for greenhouse controls. Advances in Artificial Intelligence Research. Vol 2 101-111.

Albregts, E.E., G.A. Clark, C.D. Stanley, F.S. Zazueta and A.G.Smajstrla.
1991   Preplant fertilization of fruiting microirrigated strawberry. HortSci. 26:1176-1177. (Publication not reported previous year).

Shih, S.F., D.S. Harrison, A.G. Smajstrla, and F.S.. Zazueta.
1991   Infrared thermometry to estimate soil water content in pasture areas. Soil and Crop Sci. Soc. Fla. Proc. 50:158-162.

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. Applied Eng. in Agric. 7(2):205-208.

Vellidis, G., A.G. Smajstrla and F.S.. Zazueta.
1991   Soil water redistribution and extraction patterns of drip-irrigated tomatoes above a shallow water table. Trans. ASAE 33(5):1525-1530.

Shih, S.F., D.S. Harrison, A.G. Smajstrla and F.S.. Zazueta.
1991   Infrared thermometry to estimate soil-water contents in pasture areas. Soil and Crop Sci. Soc. Fla. Proc. 50:158-162.

Vellidis, G., A.G. Smajstrla and F.S.. Zazueta.
1990   Continuous soil water potential measurement with a microcomputer-base data acquisition system. Applied Engr. in Agric. 6(6):733-738.

Nass, I.A., F.S. Zazueta, and R.A. Bucklin.
1990   Microcomputer simulation of heat transfer in tropical swine housing. Journal of Agricultural Mechanization in Asia, Africa and Latin America. Vol. 21. No. 4, pp. 38-42.

Albregts, E.E., G.A. Clark, C.D. Stanley, F.S. Zazueta, and A.G. Smajstrla.
1990   Preplant fertilizer for microirrigated strawberry. In: The Strawberry into the 21st Century. Timber Press, Inc. 9999 SW Willshire, Suite 124, Portland Oregon 97225. pp: 158-159. (Refereed contribution; FAES Journal Series No. R-00452.)

Albregts, E.E., G.A. Clark, C.D. Stanley, F.S. Zazueta, and A.G. Smajstrla.
1991   Preplant fertilizer for microirrigated strawberry. Hortsci. 26:1176-1177.

Zazueta, F.S., A.G. Smajstrla, and D.Z. Haman.
1989   Computer aided design of landscape irrigation systems. Applied Agricultural Research. Vol 4. No. 4, pp. 280-284.

Beck, H., P. Jones, D. Watson and F. Zazueta.
1989   An expert database for ornamental plants. Agricultural Systems. 31:111-126.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1985   A simple numerical model for the prediction of soil-water flow from trickle sources. Soil
         and Crop Sci. Soc. of Fla. Proc. 44:72-76.

Aribi K., A.G. Smajstrla, and F.S.. Zazueta.
1985   Accuracies of neutron probe soil-water content measurements for sandy soils. Soil and
         Crop Sci. Soc of Fla. Proc. 44:44-49.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta.
1985   Irrigation systems and cost estimates for row crop production in north and northwest
         Florida. Soil and Crop Sci. Soc of Fla. Proc. 44:221-222.

Stone K.C., A.G. Smajstrla, and F.S.. Zazueta.
1985   A microcomputer based data aquisition system for continuous soil water potential
         measurements. Soil and crop Science Society of Florida Proc. Vol 44:49-52.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1984   Microcomputer control of irrigation systems. I: Hardware and software considerations.
         Soil and Crop Sci. Soc of Fla. Proc. Vol. 44:123-129.

Smajstrla, A.G., G.A. Clark, S.F. Shih, F.S. Zazueta, and D.Z. Haman
1984   Characteristics of potential evapotranspiration in Florida. Soil and Crop Sci. Soc. of Fla.
         Proc. 43:123-129.

Zazueta F.S., and D.B. McWhorter
1983   Simulacion estocastica de sistemas de drenaje agricola (Stochastic simulation of
         agricultural drainage systems). Academia Nacional de Ingenieria. Memorias. 1:174-
         179.

Zazueta F.S., O. Gonzalez. A. Hernandez y J. Fernandez
1978   Aspectos termofluidicos de tuberias con salidas multiples (Thermofluidic aspects of
         multiple outlet pipes). Academia Nacional de Ingenieria, Memorias 1:369-373.

Zazueta F.S.
1977   Diseno `Optimo' de Sistemas de Riego por Aspersion y su Calculo Electronico. (Optimal
         Design of Sprinkler Irrigation Systems). Academia Nacional de Ingenieria, Memorias.
         1:192-197.

Zazueta F.S
1976   Uso de computadoras en el diseno de sistemas de riego por goteo (Use of computers in
         drip irrigation system design). Academia Nacional de Ingenieria. Memorias, 1:1-14.

Non-refereed

Journal series

Vergot,P., F.S. Zazueta and H.W. Beck.
2004.   Use of personal digital assistants for extension program record keeping. Journal of
         extension. Vol. 42 Number 4. http://www.joe.org/joe/2004august/tt6.shtml

Zazueta. F.S., and P. Vergot III.
2003   Use of Handheld Computers in Agriculture. Proceedings of the 5th Congress of the European Federation of Information Technology in Agriculture. July,. Debrecen, Hungary. pp: 12-16.

Zazueta, F.S., P. Vergot III, H.W. Beck, and J. Xin.
2002   Use of Personal Digital Assistants (PDAs) in Agricultural Extension Programs. Proceedings of the Third Asian Conference on Information Technologies in Agriculture. Ed. M. Fangquan. China Agricultural Scientech Press.. pp: 358-362.

Zazueta, F.S., J.W. Jones, V. Bralts, A. Astatke and M. Jabbar.
2000   Engineers Report on Sustainable Agriculture to the United Nations Commission on Sustainable Development Annual Meeting. World Federation of Engineering Organizations. .

Zazueta, F.S., A.J. Wilkening, H.W. Beck, L.A. Halsey and T. Hintz.
1998   A centralized/distributed model for information technology resources. Computers in Agriculture. 7th International Conference Proc., ASAE. pp. 292-299.

Albrigo, L.G., J.I. Valiente and F.S. Zazueta.
1998   Use of Internet video-conferencing technology for distance education in agriculture. Computers in Agriculture. 7th International Conference Proc., ASAE.. pp. 402-412.

Zazueta F.S, M Valiente Gómez, J.I. Valiente Banuet, T. Yeager
1998   Modified tensiometer for potted plant irrigation in nurseries. International Water and Irrigation Review. Vol. 18 No. 1 1988.

Haman, D.Z., A.G. Smajstrla and F.S. Zazueta.
1998   Chemical injection methods for irrigation. Irrigation Bussiness & Technology. April.

Schmidt G.M., A.G. Smajstrla and F.S. Zazueta
1997   Long-term variability of monthly total precipitation. ASAE. 0001-2351/97/1004-1029

Mundo-Molina, M., V. Mireles, P. Martínez-Austria, and F.S. Zazueta
1997   Sistema computacional para la distribución eficiente del agua en distritos de riego, SICODE v2.1. IMTA, Cuernavaca, México

Phowler, P.A., S. Yeralan, F.S. Zazueta and R. Bucklin
1996   Microcontrollers in aquaculture. Proc. of the 6th International Conference on Computers in Agriculture. Cancún, México. ASAE, pp.140-146.

Testezlaf, R., F.S.. Zazueta and T.A. Yeager
1996   A real-time irrigation control system for greenhouses. Proc. of the 6th International Conference on Computers in Agriculture. Cancún, México. ASAE, pp.204-211.

J.J. Ferguson, M.B. Thomas, H.W. Beck, J.H. Crane, and F.S.. Zazueta
1996   Citrus management and diagnostic software. Proc. of the 6th International Conference on Computers in Agriculture. Cancún, México. ASAE, pp.140-146.

Mundo, M.M., V. Mireles, P. Martinez, and F.S.. Zazueta
1996   Application of GIS in irrigation districts: How much and when to irrigate. Proc. of the 6th International Conference on Computers in Agriculture. Cancún, México. ASAE, pp.140-146.

Papajorgi, P., F.S. Zazueta and X. Xin

1996   Integrating GIS, database and simulation models for water resource management in
        agriculture. Proc. of the 6th International Conference on Computers in Agriculture.
        Cancún, México. ASAE, pp.140-146.

Bello-Filhao, F., and F.S.. Zazueta
1996   Simulation of temperature discharge variations along a drip irrigation lateral line exposed
        to solar radiation. Proc. of the 6th International Conference on Computers in Agriculture.
        Cancún, México. ASAE, pp.140-146.

Williams, D.B., and FS. Zazueta
1996   Solar radiation estimation vial neural networks. Proc. of the 6th International Conference
        on Computers in Agriculture. Cancún, México. ASAE, pp.140-146.

Schmidt, G.M., A.G. Smajstrla and F.S. Zazueta
        1996   Parametric uncertainty in stochastic precipitation models. Wet day amounts.
        ASAE. 001-2351/96/3906-3912

Zazueta, F.S., R.A. Bucklin, M. Turner, F.A. Chapman, and A.M. Lazur.
        1995   Aquaculture aeration using irrigation porous pipe. Proc. 5th Int. Irr. Congress.
        Orlando, FL. ASAE. p. 37-42.

Zazueta, F.S., M.Valiente-Gómez, J.I. Valiente-Banuet and T. Yeager.
1995   A modified tensiometer for control of potted plant irrigation in nurseries. . Proc. 5th Int. Irr.
        Congress. Orlando, FL. ASAE. p.209-213.

Zazueta, F.S.
  1995 International developments in microirrigation. 1995 Proc. 5th Int. Irr. Congress. Orlando, FL.
        ASAE. p.314-324

Smajstrla, A.G., W.G. Bogess. B.J. Bowman, G.A. Clark, D.Z. Haman, G.W. Know, S.J. Locascio,
T.A. Obreza, F.M. Rhoads, T. Yeager, and F.S.. Zazueta.
1995   Status and growth of microirrigation in Florida. Proc. 5th Int. Irr. Congress. Orlando, FL.
        ASAE. p. 325-329.

Haman, D.Z., A.G. Smajstrla, R.T. Pritchard, PM. Lyrene and F.S.. Zazueta.
1995   Response to young blueberry plants to microirrigation in Florida. Proc. 5th Int. Irr. Congress.
        Orlando, FL. ASAE. p. 420-424.

Zazueta, F.S. and A.G. Smajstrla.
1995   A simple method to design tapered sloping manifolds. Proc. 5th Int. Irr. Congress. Orlando,
        FL. ASAE. p. 425-430

 Clark, G.A., C.D. Stanley, A.G. Smajstrla and F.S.. Zazueta.
1995   Microirrigation design considerations for sandy soil vegetable production systems. Proc. 5th
        Int. Irr. Congress. Orlando, FL. ASAE. p.516-521

Papajorgi, P., F.S. Zazueta, J.N. Xin and C. Moore.
1995   Simulated crop water use using a GIS approach. . Proc. 5th Int. Irr. Congress. Orlando, FL.
        ASAE. p. 532-537.

Xin, J.N., F.S. Zazueta, A.G. Smajstrla and T.A. Wheaton.
 1995   Real-time expert system for citrus microirrigation management. . Proc. 5th Int. Irr.
        Congress. Orlando, FL. ASAE. p. 787-791.

Zazueta, F.S., G.A. Clark, and M. Carrillo.

1995   A simple equation to estimate soil-water movement from a drip irrigation source. . Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 851-856.

Zazueta, F.S., R.A. Bucklin, M. Turner, F.A. Chapman, and A.M. Lazur.
1995   Aquaculture aeration using irrigation porous pipe. Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 37-42.

Zazueta, F.S., M.Valiente-Gómez, J.I. Valiente-Banuet and T. Yeager.
1995   A modified tensiometer for control of pottet plant irrigation in nurseries. . Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p.209-213.

Zazueta, F.S. **(Plenary session)**
1995   International developments in microirrigation. 1995 Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p.314-324.

Smajstrla, A.G., W.G. Bogess. B.J. Bowman, G.A. Clark, D.Z. Haman, G.W. Know, S.J. Locascio, T.A. Obreza, F.M. Rhoads, T. Yeager, and F.S.. Zazueta.
1995   Status and growth of microirrigation in Florida. . Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 325-329.

Haman, D.Z., A.G. Smajstrla, R.T. Pritchard, PM. Lyrene and F.S.. Zazueta.
1995   Response to young blueberry plants to microirrigation in Florida. Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 420-424.

Zazueta, F.S. and A.G. Smajstrla.
1995   A simple method to design tapered sloping manifolds. Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 425-430.

Clark, G.A., C.D. Stanley, A.G. smajstrla and F.S.. Zazueta.
1995   Microirrigation design considerations for sandy soil vegetable production systems. Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p.516-521.

Papajorgi, P., F.S. Zazueta, J.N. Xin and C. Moore.
1995   Simulated crop water use using a GIS approach. . Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 532-537.

Xin, J.N., F.S. Zazueta, A.G. Smajstrla and T.A. Wheaton.
1995   Real-time expert system for citrus microirrigation management. . Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 787-791.

Zazueta, F.S., G.A. Clarck, and M. Carrillo.
1995   A simple equation to estimate soil-water movement from a drip irrigation source. . Proc. 5th Int. Irr. Congress. Orlando, FL. ASAE. p. 851-856.

Zazueta, F.S. **(Invited Contribution)**
1992   *(Computer science in agriculture, Memoirs of the 2nd. International Symposium on Science and Technology as a productive force.)* Agroinformática. Memorias del 2do Simposio de Internacional Sobre la Ciencia y la Tecnología Como Fuerzas Productivas. Montevideo, Uruguay. Vol. 1 p:133-141.

Zazueta, F.S. **(Invited Contribution)**
1991   Agricultural Computing in the United Sates. @groinformatica, Journal of the Ductch Society for Informatics in Agriculture. 4(3):20-24.

Zazueta, F.S., A.G. and Smajstrla.

1990   Irrigation design, scheduling and operation for better water use and management. 38th Florida Turfgrass Conference, Proc., 38:10-21.

Zazueta, F.S., A.G. Smajstrla, and G.A. Clark.
1990   Determination of the spatial and temporal distribution of normalized irrigation intervals. Proc. Third National Irr. Symp. Pp. 90-95. ASAE, St. Joseph, MI.

Clark, G.A., E.E. Albregts, C.D. Stanley, A.G. Smajstrla, F. S. Zazueta.
1990   Tensiometer-scheduled microirrigated strawberries. Presented at the Annual Meeting of the Amer. Soc. of Agric. Eng. 17-20 Dec. 1990, Chicago, Il. ASAE Meeting Paper No. 90-2532. 9 p.

Zazueta, F.S., and A.G. Smajstrla.
1989   Small turf irrigation system management. Proc. Fla. State Hort. Soc. 101:110-112.

Vellidis, G., A.G. Smajstrla, and F.S.. Zazueta.
1989   Water use under drip irrigated tomatoes under high water table conditions. Proc. Fla. State Hort. Soc. 101:376-379.

Schmidt, G.M., A.G. Smajstrla, F.S. Zazueta, and S.S. Jagtap.
1989   Stochastic daily rainfall modelling and long term climatic variability. Soil and Crop Sci. Soc. Fla. Proc. 48:144-151.

Nelson, J.S., D.D. Dankel, P.H. Jones, and F.S.. Zazueta.
1989   Applied knowledge aquisition for greenhouse controls. 2nd Fla. artificial Intelligence Res. Symposium Proc. April, Orlando, FL. .

Smajstrla, A.G., G.M. Schmidt, F.S. Zazueta, and G.A. Clark.
1989   Characteristics of Solar Radiation in Florida. Soil and Crop Sci. Soc. Fla. Proc. 48:103-107.

Zazueta, F.S. , A.G. Smajstrla, and F.Z. Izuno.
1989   Microcomputer aided design and management of irrigation and drainage systems for sugarcane production. Inter-American Sugar Cane Seminar Proc. Miami, FL. pp:131-136.

Zazueta, F.S., A.G. Smajstrla, and G.A. Clark.
1989   Normalized irrigation frequencies for Florida. Soil and Crop Sci. Soc. Fla. Proc. 48:96-99.

Clark, G.A., C.D. Stanley, F.S. Zazueta, and E.E. Albregts.
1989   Surface runoff during sprinkler irrigation of mulched-bed grown strawberries. Soil and Crop Sci. Soc. Fla. Proc. 48:87-90

Stanley, C.D., E.E. Albregts, G.A. Clark, and F.S.. Zazueta.
1989   Effects of duration of overhead irrigation on surface runoff with tailwater recovery systems for cold protection of strawberries. Soil and Crop Sci. Soc. Fla. Proc. 48:85-86.

Zazueta, F.S., and A.G. Smajstrla.
1989   Small turf irrigation system management. Proc. Fla. State Hort. Soc. 101:110-112.

Smajstrla, A.G., F.S. Zazueta, and D.Z. Haman.
1989   Sound management of turf irrigation systems in Florida. Proc. Fla. Turfgrass Assn. 36:

Zazueta, F.S. and A.G. Smajstrla.

1988   Microcomputer design and management of irrigation systems. Intl. Irr. Expo. and Tech. Conf. Proc. The Irr. Assoc. pp. 165-172.

Zazueta, F.S., and A.G. Smajstrla.
1988   Computer control of irrigation systems. Int. Plant Prop. Soc. Proc. 37:518-522.

Zazueta, F.S., and A.G. Smajstrla.
1988   Solving irrigation and drainage problems. Proc. Fla. Turfgrass Assoc. 35:28-38.

Myhre, B.E., S.F. Shih, A.G. Smajstrla, and F.S.. Zazueta.
1988   Calibration of the infrared thermometer. Soil and Crop Sci. Soc. Fla. Proc. 47:99-102.

Smajstrla, A.G., and F.S.. Zazueta.
1988   Simulation of irrigation requirements of Florida agricultural crops. Soil and Crop Sci. Soc. Fla. Proc. 47:78-82.

Schmidt, G.M., A.G. Smajstrla, and F.S.. Zazueta.
1988   Estimating the frequency and duration of wet and dry periods in a humic subtropical region. Soil and Crop Sci. Soc. Fla. Proc. 47:83-88.

Zazueta, F.S., A.G. Smajstrla, and F.T. Izuno.
1988   Analysis of agricultural drainage systems in Florida. Soil and Crop Sci. Soc. Fla. Proc. 47:105-108.

Zazueta, F.S., and A.G. Smajstrla.
1987   Microcomputer aided design and mangement of irrigation systems. International Irr. Expo. and Tech. Conf. Proc. The Irrigation Assoc. 1987:165-172.

Vellidis, G., A.G. Smajstrla, and F.S.. Zazueta.
1987   Lysimeters for crop water use determinations under high water table conditions. Proc. Fla. State Hort. Soc. 100:256-260.

Smajstrla, A.G., and F.S.. Zazueta.
1987   Estimating irrigation requirements of sprinkler irrigated container nurseries. Proc. Fla. State Hort. Soc. 100:343-347.

Smajstrla, A.G., F.S. Zazueta, and G.M. Schmidt.
1987   Sensitivity of potential evapotranspiration to four climatic variables in Florida. Soil and Crop Sci. Soc. Fla. Proc. 46:21-26.

Stone, K.C., A.G. Smajstrla, and F.S.. Zazueta.
1987   Entrapped air and ceramic cup effects on tensiometer response times. Soil and Crop Sci. Soc. Fla. Proc. 46:26-29.

Schmidt, G.M., A.G. Smajstrla, and F.S.. Zazueta.
1987   Estimating potential evapotranspiration from temperature in a humid region. Soil and Crop Sci. Soc. Fla. Proc. 46:17-21.

Zazueta, F.S., A.G. Smajstrla, and G.A. Clark.
1987   Irrigation scheduling of peanut in northern Florida. Soil and Crop Sci. Soc. Fla. Proc. 46:68-71.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman
1986   Computer aided design of turf irrigation systems. Fla. State Hort. Soc. 99:181-185.

Gilpin-Hudson, D.G., F.S. Zazueta, and A.G. Smajstrla.

1986   Economic analysis of labor saving devices in nursery operations. Fla. State Hort. Soc. 99:286-290

Peart M.R., F.S. Zazueta, P. Jones, J.W. Jones, J.W. Mishoe.
1986   Examples of Expert Systems in Agriculture. Agricultural Engineering. (67)3:8-10.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1986   CAD and management software for irrigation systems. International Conference on Computers in Extension Programs. Orlando FL. Institute of Food and Agricultural Sciences, University of Florida.

A.G. Smajstrla, F.S. Zazueta, and G.M. Schmidt.
1986   Sensitivity of potential evapotranspiration to four climatic variables. Soil and Crop Sci. Soc of Fla. (Submitted for publication).

G.M. Schmidt, A.G. Smajstrla, and F.S.. Zazueta.
1986   Estimating evapotranspiration from temperature in humid regions. (Submitted for publication).

K. Stone, A.G. Smajstrla, and F.S.. Zazueta
1986   Vacuum gage and entrapped air effects on tensiometer response. (Submitted for publication).

Zazueta F.S., E.E. Albregts, and C.D. Stanley.
1986   Rainwater harvesting and irrigation tailwater recovery to reduce water use for fruiting strawberries. Soil and Crop Sci. Soc of Fla. Vol. 45: 129-131.

Smajstrla, A.G., G.A. Clark, S.F. Shih, F.S.. Zazueta, and D.S. Harrison.
1984   Characteristics of Potential Evapotranspiration in Florida. ASAE Paper No. FCS-84-003. Clearwater Beach. May 19.

Zazueta, F.S., A.G. Smajstrla, and D.S. Harrison
1984   Computer management of trickle irrigation systems. Proc. Fla. State Hort. Soc. 97:1-3.

Zazueta F.S., S. Park-Brown, A.G. Smajstrla, and D.S. Harrison.
1984   Computer control of irrigation systems for Nurseries. Proc. Fla. State Hort. Soc. 97:285-286.

Smajstrla A.G., D.R. Hensel, D.S. Harrison, and F.S.. Zazueta.
1984   Improved seepage irrigation efficiency by controlled water applications. Proc. Fla. State Hort. Soc. 97:81-86.

Smajstrla A.G., G.A. Clark, S.F. Shih, F.S. Zazueta, and D.S. Harrison.
1984   Characteristics of potential evapotranspiration in Florida. Soil and Crop Sci. Soc. of Florida Proc., Vol. 43

Smajstrla A.G., R.C.J. Koo, J.H. Weldon, D.S. Harrison, and F.S.. Zazueta.
1983   Clogging of trickle irrigation emitters under field conditions. Proc. Fla. State Hort. Soc. 96:13-17.

Zazueta F.S., Harrison D.S., and A.G. Smajstrla.
1983   Microcomputer software sources for Florida agriculture. Proc. of the Florida State Horticultural Society. Vol. 96:59.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta.

1983   An economic analysis of irrigation systems for production of citrus in Florida. Proc. of the Florida State Horticultural Society. Vol. 96.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta
1983   Irrigation systems and cost estimate for row crop production in Florida. Proc. of the Soil and Crop Sci. Soc of Fla. Vol. 43.

Technical papers

G. Campos, E.S. Sepúlveda, B. J. Williams, H. Beck, and F.S. Zazueta.
2008   A Wizard for the creating Ontology Based Learning Objectives. *In*: Editor, Michael D. Dukes. ASABE on Meeting Presentation. Duck Key, FL, USA. Paper Number FL08-12. 15p.

Sepúlveda, E.S., F.S. Zazueta, H. Beck.
2007   Rapid prototyping of learning objects and their implementation using an ontology *In:* Editor, Miklos Herdon. Proceedings of the International Conference on Agricultural Economics, Rural Development and Informatics. March 20-21, 2007. Debrecen, Hungary. (Distributed in CD-ROM)

Sepúlveda, E.S., F.S. Zazueta, and R. Bucklin.
2006   An educational resource for grid computing based hydraulic simulation. *In:* Editor, V.C.Patil. Proceedings of the Fifth Conference of the Asian Federation for Information Technology in Agriculture. Nov. 9-11, 2006. Bangalore, India.

Sepúlveda, E.S., F.S. Zazueta, E. A. Holzapfel.
2006   Objeto de enseñanza para visualizar uniformidad de aplicación de microirrigación.   I*n*: Editor, Wilson Esquivel.   VII Congreso Latinoamericano y del Caribe de Ingeniería Agrícola. ALIA. Mayo 10-12, 2006. Chillán, Chile.

Sepúlveda, E.S., F.S. Zazueta, R. Bucklin and E.A. Holzapfel.
2006   Rapid Prototyping of Learning Objects for Agricultural and Biological   Engineering. Education. Applied Engineering. American Society of Agricultural   and Biological Engineers. ASABE. Vol. 22(3):1-15.

Sepúlveda, E.S., F.S. Zazueta, W. Cooke y E. A. Holzapfel.
2006   Uso de la taxonomía de Bloom y estilos de aprendizaje en la producción de objetos de enseñanza. In: Editor, Catalina Alonso García. Memorias del II Congreso Internacional de Estilos de Aprendizaje. Concepción, Chile.

.
Sepúlveda, E.S., F.S. Zazueta, X. Jiannong and E. A. Holzapfel.
2005   Cálculo Hidráulico de Sistemas de Micro Irrigación Usando Computadoras de mano. *In*: Editor J. Reyes, Memorias, Congreso de la Asociación Nacional de Especialistas en Irrigación. Octubre 20-22, 2005. Acapulco, México.

Sepúlveda, E.S., F.S. Zazueta, R.A. Bucklin and Pete Vergot III.
2005   Use of Handheld Computers for Hydraulic Calculations of Microirrigation. Subunits. *In*: Editor F.S Zazueta, Proceedings of the Joint EFITA/WCCA. July 24 – 28, 2005. Villa Real, Portugal.

Sepúlveda, E.S., F.S. Zazueta, X. Jiannong and Pete Vergot III.
2005   Developing Extension Education Software for Handheld Computers. *In*: Editor F.S Zazueta, Proceedings of the Joint ASAE/CSAE. July 17 – 20, 2005. Tampa, EE.UU.

Cornejo, C., H.W. Beck, D.Z. Haman and F.S. Zazueta

2005   Development and application of an irrigation ontology. Proc. of the EFITA/WCCA
        Conference. Villa Real, Portugal.

Sepúlveda, E.S., F.S. Zazueta, E.A. Holzapfel and R.A. Bucklin.
2004   Aplicación de paralelismo computacional en simulación hidráulica. *In:* Editor F.S.
        Zazueta, Memorias de Congreso de ALIA/CLIA. Noviembre 22-24, 2004. San José,
        Costa Rica.

J. Xin, F. S. Zazueta.
2004.   Information technology for 21st century agriculture. Proc. of 2004 CIGR International
        Conference, Beijing, p. III-3.

Sepúlveda, E.S., F.S. Zazueta, E.A. Holzapfel, and R.A. Bucklin.
2004   Use of grid computing in hydraulic simulation. In: Editor F.S. Zazueta, Proceedings of
        the Joint AFITA/WCCA. August 9-12, 2004. Bangkok, Thailand. pp.439-444.

Sepúlveda, E.S., M. Pineros, F.S. Zazueta, and E.A. Holzapfel.
2004   Use of learning objects for the delivery of multilingual irrigation engineering education
        content. ASAE/CSAE Meeting Presentation. Ottawa, Canada Paper Number 043006.
        16p.

Sepúlveda, E.S., F.S. Zazueta, E.A. Holzapfel, and R.A. Bucklin.
2004   Equations for complex microirrigation network hydraulics using grid computing. ASAE
        Section Meeting Presentation. Stuart, FL, USA. Paper Number FL04-1008. 12 p.

Zazueta. F.S., and P. Vergot III.
2003   Use of Handheld Computers in Agriculture. Proceedings of the 5th Congress of the
        European Federation of Information Technology in Agriculture. July,. Debrecen,
        Hungary. pp: 12-16.

J. Xin, M.T. Momol, R.K. Sprenkel, H.W. Beck, F.S. Zazueta, P. Vergot III, G.C. Wisler.
2003   Using a web-based distance diagnostic and identification system as a tool for biosecurity.
        ASAE annual International Meeting paper number 033069, Las Vegas Nevada.

Roberto Testezlaf, Claudia A. Larsen, Thomas H. Yeager and Fedro S. Zazueta
1998   Tensiometric monitoring of Container Moisture Status. Hort Technology as a
        Technology and Product Report. (As in print)

Fedro S. Zazueta, **(Invited Contribution).**
1996,   Computer-Based Tools for Irrigation, 7th International Conference, Water and Irrigation.
        Tel Aviv, Israel P73-81.

Fedro S. Zazueta , Willem Huisman, Allen G. Smahstrla,
1996.   An Expert System for Diagnosis and Treatment of Bacterial Clogging in Microirrigation.
        Proc. FLAIRS, Key West, FL. pp. 410-414.

J.N. Xin, F.S. Zazueta, T.A. Wheaton, D.D. Dankel II,
1996.   An Expert System for Microirrigation Control. Proc. FLAIRS. Key West, FL pp.410-
        414.

Moraga, J. , F.S. Zazueta, and H. Uribe.
 1995   A graphical user interface for AFSIRS. Annual Meeting. ASAE Florida Chapter. Key
                            Largo Florida 10 p..

Moraga, J. , F.S. Zazueta, and H. Uribe.

1995 A graphical user interface for AFSIRS. Annual Meeting. ASAE Florida Chapter. Key Largo Florida.

H. Uribe, , F.S. Zazueta, and J. Moraga.
1995 Effective rainfall calculations in humid climate. ASAE Florida Chapter. Key Largo Florida.

Zazueta, F.S. **(Invited Contribution).**
1993 sistemas de microirrigacion. *En:* R. Martinez Eds., 3er Curso Internacional de Sistemas de Riego. Departamento de Irrigacion. Universidad Autonoma Chapingo. Chapingo México. 9 pp.

Zazueta, F.S. **(Invited Contribution)**
1993. *Irrigation system hydraulics. International Irrigation Course.)* Hidraulica de sistemas de irrigacion. *In:* R. Martinez Ed., 3er Curso internacional de Sistemas de Riego. Universidad Autonoma Chapingo. Chapingo México. 7 pp.

Zazueta, F.S. **(Invited Contribution)**
1993 *(Introduction of optimum pipe diameter calculations. International Irrigation Course.)* Introduccion al calculo del diametro Optimo de una tubera. *In:* R. Martinez Ed. 3er Curso internacional de Irrigacion. Departamento de Irrigacion. Universidad Autonoma Chapingo. Chapingo México. 7 pp.

Zazueta, F.S.   **(Invited Contribution)**
1992   *(Microirrigation design elements. International Irrigation Course.)* Elementos de diseño de sistemas de microirrigación. *En:* Sánchez, B. Rafael and José Reyes Eds., Curso internacional de Sistemas de Riego. Departamento de Irrigación. Universidad Autónoma Chapingo. Chapingo México. 9 pp.

Zazueta, F.S.   **(Invited Contribution)**
1992   *(Irrigation system hydraulics. International Irrigation Course.)* Hidráulica de sistemas de irrigación. *In:* Sánchez, B. Rafael and José Reyes Eds., Curso internacional de Sistemas de Riego. Universidad Autónoma Chapingo. Chapingo México. 7 pp.

Zazueta, F.S.   **(Invited Contribution)**
1992   *(Introduction of optimum pipe diameter calculations. International Irrigation Course.)* Introducción al cálculo del diámetro Optimo de una tubería. *In:* Sánchez, B. Rafael and José Reyes Eds. Curso internacional de Irrigación. Departamento de Irrigación. Universidad Autónoma Chapingo. Chapingo México. 7 pp.

Zazueta, F.S.
1991   Agroinformática. Memorias del 2do Simposio de Internacional Sobre la Ciencia y la Tecnología Como Fuerzas Productivas. Montevideo, Uruguay. 6pp.

Zazueta, F.S., A.G. Smajstrla, G.A. Clark, and D.Z. Haman.
1991   Scheduling and operation of irrigation systems. IFAS Irrigation Seminar. St. John's River Water Management District. Palatka, FL. 13 p.

Zazueta, F.S.
1991   Puntos importantes en el diseño de sistemas de riego por microirrigación. Curso Internacional Sobre Riego. Junta de Andalucía. Consejería de Agricultura y Pesca. Dirección General de Investigación y Extensión Agraria. Centro Córdoba, Córdoba. España. 8 p.

Zazueta. F.S., J. Creighton, S. Burtle, and Bert McCarty.

1991   Field evaluation of turf and landscape irrigation systems and the effects of management strategies on irrigation water use. Paper No. FL91-110. American Society of Agricultural Engineers. Florida-Georgia Meeting. Jacksonville, FL, pp. 5.

Xin, J.N., F.S. Zazueta and V.D. Singleton.
1991   Benchmark-farm Irrigation database. Paper No. FL91-105. American Society of Agricultural Engineers. Florida-Georgia Meeting. Jacksonville, FL, pp. 5.

Valiente, J.I., F.S. Zazueta and T.H. Yaeger.
1991   Evaluation of a capacitive-type soil-moisture sensor. Paper No. FL91-111. American Society of Agricultural Engineers. Fla. Section Meeting. Jacksonvile, FL. 8 pp.

Zazueta F.S.. and A.G. Smajstrla.
1990   Design, Scheduling and operation of turf irrigation systems. Proceedings, Florida Turfgrass Association. Vol. 38, p:10-21.

Schmidt, G.M., A.G. Smajstrla, and F.S.. Zazueta.
1990   A nonhomogeneous parameter estimation methodology for stochastic rainfall models. Paper No. 90-2019. American Society of Agricultural Engineers, Florida Section Meeting. St Joseph, MI. 24 p.

Nass, I.A., R.A. Bucklin, F.S. Zazueta, L.R. Amaral and C.A. Jorge.
1990   Broiler housing in tropical climate. Paper No. 90-4007. American Society of Agricultural Engineers, ASAE Summer Meeting. St Joseph, MI. 8 p.

Clark, G.A., C.D. Stanley, E.E. Albregts, A.G. Smajstrla and F.S.. Zazueta.
1990   Tensiometer scheduled, drip irrigated strawberries. ASAE Tech. paper No. 90-2532.

Valiente, J.I, F.S. Zazueta, G.A. Clark, C.D. Stanley, and E.E. Albregts.
1990   A software package for the simulation of ponds for irrigation water tailings recovery, and rainwater harvesting. Paper No. FCS90-112. American Society of Agricultural Engineers, Florida Section Meeting. St Joseph, MI. 3 p.

Roth, M., J.I. Valiente, and F.S.. Zazueta.
1990   Predicting erosion soil losses. Paper No. FCS90-109. American Society of Agricultural Engineers, Florida Section Meeting. St Joseph, MI. 5 p.

Zazueta. F.S., J. Creighton, D. Bracciano, S. Burtle, and S. Park-Brown.
1990   Field evaluation of turf and landscape irrigation systems. Paper No. FCS90-115. American Society of Agricultural Engineers, Florida Section Meeting. St Joseph, MI. 14 p.

Zazueta, F.S.
1990   Selección de sistemas de riego y microirrigación en frutales. En: Curso internacional sobre manejo de agua en frutales. Universidad de Concepción. Chillán, Chile. Capitulo 12, 12 pp.

Vellidis, G.A., A.G. Smajstrla, and F.S.. Zazueta.
1989   Measured and simulated soil-water redistribution and extraction patterns of drip irrigated tomatoes above a shallow water table. ASAE Paper 89-2588. ASAE winter meeting, New Orleans. 20 p.

Thompson, S.J., J.W. Mishoe, R.M. Peart and F.S.. Zazueta.
1989   IEEE-488 interface and instruments for high resolution measurement of data. Paper No. 89-3560. American Society of Agricultural Engineers, International Winter Meeting. New Orleans, LA. 17 p.

Zazueta, F.S.
1989   Selección de sistemas de riego. Memorias, Seminario Internacional Sobre Tecnificación de Riego y Uso Racional de la Energía. 10-13 de Abril, Comarca Lagunera, México. FIRA, Banco de México. pp:223-228.

Zazueta, F.S.
1989   Microirrigación en frutales. Memorias, Seminario Internacional Sobre Tecnificación de Riego y Uso Racional de la Energía. 10-13 de Abril, Comarca Lagunera, México. FIRA, Banco de México. pp:229-234.

Zazueta F.S., R.M. Lokers, and A.G. Smajstrla
1989   Real-time expert control of irrigation systems. Paper No. FCS89-022. American Society of Agricultural Engineers, Florida Section Meeting. St Joseph, MI. 9 p.

Zazueta F.S., J.I. Valiente, and A.G. Smajstrla.
1989   Paper No. FCS89-021. American Society of Agricultural Engineers, Florida Section Meeting. St Joseph, MI.

Naas, I.A., R.A. Bucklin, F.S. Zazueta, and W.J. Freire.
1989   Evaluation of swine housing under tropical climate. Proceedings of the 11th International Congress on Agricultural Engineering, 4-8 September 1989, University College, Dublin, Ireland. 6 p.

Beck, H.W., P.H. Jones, D.G. Watson, and F.S.. Zazueta.
1988   An expert database for ornamental plant selection. American Soc. of Agric. Eng. technical paper No: ASAE 88-7530. St. Joseph, MI. 25 p.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman
1986   Computer aided micro-irrigation. Round Table Conference on Microirrigation. ICID, Budapest, Hungary. Vol. 2: 109-114.

D.Z. Haman, A.G. Smajstrla, and F.S.. Zazueta
1986   Water quality problems of microirrigation in Florida. Round Table Conference on Microirrigation. ICID, Budapest, Hungary. Vol. 1:49-58.

Smajstrla, A.G., L.R. Parsons, F.S. Zazueta, G. Vellidis, and K.Aribi.
1986   Water use and growth of young citrus trees.
        Paper No. 86-2069. American Society of Agricultural Engineers Summer Meeting, San Luis Obispo, California.

D.Z. Haman, A.G. Smajstrla, and F.S.. Zazueta
1986   Recycling water in seepage irrigation in Florida.   Paper No. 86-2100. American Society of Agricultural Engineers Summer Meeting, San Luis Obispo, California.

Shih, S.F., D.S. Harrison, A.G. Smajstrla, and F.S.. Zazueta
1986   Using infrared thermometry data in soil water content estimation. Paper No. 86-2121. American Society of Agricultural Engineers Summer Meeting, San Luis Obispo, California.

Smajstrla A.G., F.S. Zazueta, G. Vellidis, D.Z. Haman, and G. Selman
1986   Flow variation of trickle irrigation emitters. Paper No. 86-2096.American Society of Agricultural Engineers Summer Meeting, San Luis Obispo, California.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison

1985   Microcomputer aided design and management of trickle irrigation systems. Proc. of the Third International Drip/Trickle Irrigation Congress. American Society of Agricultural Engineers Publication 10-85. Vol 1, pp. 439-451.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1985   Microcomputer control of trickle irrigation systems. Proc. of the Third International Drip/Trickle Irrigation Congress. American Society of Agricultural Engineers Publication 10-85. Vol 2 pp. 511-515.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1984   The hydraulics of continuous flow irrigation pipes. Institute of Food and Agricultural Sciences, University of Florida. Journal series paper No. 5087. (Presented at the 1984 ASAE Summer Meeting, Knoxville TN)

Zazueta F.S.
1984   Software engineering in the agricultural engineering curriculum. 1984 Summer Meeting. Amer. Soc. of Agr. Eng., Knoxville, TN.

Zazueta F.S.. y H. Trevino
1978   Un Metodo Simplificado para el Diseno de Sistemas de Riego por Goteo con Emisores Hidraulicamente Controlables (A Simplified Method for the Hydraulic Design of Trickle Irrigation Systems with Controlable Emmiters) II Seminario Nacional sobre Riego por Goteo. SARH. Region (2nd. National Conference on Trickle Irrigation) Lagunera, Coah. Julio de l978.

Zazueta F.S.
1977   Uso de Computadoras en el Diseno Hidraulico de Sistemas de Riego por Goteo. (Computer Applications in Hydraulic Design of Trickle Irrigation) II Seminario Latinoamericano sobre Riego por Goteo. (2nd. Latinamerican Conference on trickle Irrigation) SARH, IICA. Region Lagunera, Coah. y Dgo. Junio de l977.

Abstracts

Stanley, C.D., G.A. Clark, E.E. Albregts, and F.S.. Zazueta.
1990.   Use of field-located drainage lysimeters for the determination of strawberry water requirements. HortScience 25:1097.

Stanley, C.D., G.A. Clark, E.E. Albregts, and F.S.. Zazueta.
1990.   Reduction of deep aquifer withdrawals for overhead-irrigated strawberry production using a tailwater recovery system. 1990 Agronomy Abstracts. p. 325.

Miscellaneous

Zazueta F.S..
1993   SICODE. Manual del Usuario Versión 2.0. TecTra. Inc., Gainesville, FL. 121 pp.

Zazueta F.S., P. Papagorgji and J. Xin.
1993   Annual Water Use Geographic Survey System. Agricultural and Bilogical Eng. University of Florida. Gainesvile, FL.   1934

Zazueta, F.S.
1992   Elementos de diseño de sistemas de microirrigación. *In:* Rafael Sánchez B. and José Reyes (Eds.) Curso internacional de Sistemas de Riego. Departamento de Irrigación. Universidad Autónoma Chapingo. Chapingo México. 9 pp.

Zazueta, F.S.
1992   Hidráulica de sistemas de irrigación. *In:* Rafael Sánchez B. and José Reyes (Eds.) Curso internacional de Sistemas de Riego. Universidad Autónoma Chapingo. Chapingo México. 7 pp.

Zazueta, F.S.
1992   Introducción al cálculo del diámetro Optimo de una tubería. *In:* Rafael Sánchez B. and José Reyes (Eds.) Curso internacional de Sistemas de Riego.   Universidad Autónoma Chapingo. Chapingo México. 7 pp.

Zazueta, F.S.
1990   Computer controlled environments III. Doane's Agricultural Computing. April. pp:26-30.

Haman, D.Z., and F.S.. Zazueta.
1990   Efficiency and uniformity of a microirrigation system. Citrus and Vegetable Magazine. April. pp. 10, 68.

Zazueta, F.S. R.A. Bucklin, and A.G. Smajstrla.
1990   Computer controlled environments II. Doane's Agricultural Computing. March. pp: 15-21.

Zazueta, F.S., P. Jones, and A.G. Smajstrla.
1990   Computer controlled environments I. Doane's Agricultural Computing. February pp: 2-4.

Zazueta, F.S., and A.G. Smajstrla.
1989   Chlorination of irrigation water for slime clogging control. Contribution to the Florida Agricultural Information retrieval System. University of Florida, Gainesville, FL. 2 p.

Zazueta, F.S., and A.G. Smajstrla.
1989   Chlorination of irrigation water for slime clogging control. Contribution to the Florida Agricultural Information retrieval System. University of Florida, Gainesville, FL.

Zazueta, F.S
1987   Low cost computarization. Greenhouse Grower Magazine. May pp:38-39.

Zazueta, F.S., and A.G. Smajstrla
1986   Software for the citrus industry. Citrus Industry. 67:26-28.

Zazueta, F.S., A.G. Smajstrla, and D.S. Harrison.
1985   Software Package Designs and Manages Irrigation Systems. American Nurseryman. January, 1985:116122.

Harrison, D.S., A.G. Smajstrla, and F.S.. Zazueta.
1985   Irrigation System Investment Costs. Contributed to the Florida Agricultural Information Retrieval System (FAIRS) System Production Index.

Zazueta, F.S., A.G. Smajstrla, and D.S. Harrison.
1984   Microcomputer-aided-design of trickle irrigation systems. Florida Nurseryman. March, 1984:44-46.

Harrison, D.S., A.G. Smajstrla, and F.S.. Zazueta.
1984   An Economic Analysis of irrigation Systems for Production of Citrus in Florida. The Citrus industry 65(1):5-16A.

Smajstrla, A.G., D.S. Harrison, and F.S.. Zazueta.
1984   How to test the uniformity of water Application for Trickle irrigation Systems. The
        Citrus industry 65(1):39-44.

Zazueta, F.S., A.G. Smajstrla, and D.S. Harrison.
1984   CAD/CAM Software for Irrigation Systems. Citrus and Vegetable Magazine
        48(2):34-35.

Zazueta F.S.
1984   Computers, questions and answers. (A monthly column). Independent farmer and
        rancher magazine. Gainesville, FL.

Zazueta F.S.
1984   Florida agribusiness computer conference and trade show.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1984   Microcomputer aided design of trickle irrigation systems for nurseries. Florida
        Nurseryman. March.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta
1984   An economic analysis of irrigation systems for production of citrus in Florida.   Citrus
        Industry Magazine.

Zazueta F.Z.
1978   Desarrollo de Tecnologia Adecuada para la Solucion de Problemas en el Campo
        Agricola Mexicano.(Development of Adequate Technology for the Solution of
        Problems in Mexican Agriculture) II Semana de Ingenieria Mecanica.   (2nd.
        Mechanical Engineering Seminar) ITESM, Monterrey, N.L. (1978). (Mimeografiado)

Zazueta F.S.
1977   Agricultural Information Retrieval System (FAIRS) System Production Index.

Zazueta F.S.
 1977   Problemas del Riego en México y el Papel de la Ingenieria (The Irrigation Problem in
        México and the Role of Engineering) I Seminario Nacional de Mecanizacion Agricola
          (1st. National Seminar Agricultural Mechanization) Escuela de Ingenieria Mecanica.
           Universidad de Guanajuato. Salamanca, Guanajuato. (Mineografiado.)

Zazueta F.S..
1977   El Sistema de Riego por Goteo. (Trickle Irrigation). Revista de Ingenieria y Ciencias;
        Ondas. Ano XII, No. 1, ITESM, Febrero de l977.

 Zazueta F.S.
1976   El Sistema de Instruccion Personalizada. (The Personalized Instruction System).
        Revista de la Universidad de Sonora. Febrero de l976.

Unpublished research/consulting:

Zazueta, F.S.
1978   Transferencia de Calor en el Formado de Envases de Vidrio (Heat Transfer in the
        Formation of Glass Containers). FAMA, Fomento de Industria y Comercio. Depto de
        Investigacion. Monterrey, N.L. 109 p.

Zazueta, F.S.

1978   Simulacion Digital de Insoleamiento de la Casa Solar 'Xochitl-Quetzal' (Simulation of
            Insolation of the Solar House Xochitl-Quetzal). Department of Thermal, Fluids and
            Control Engineering. ITESM and the Organization of American States. Monterrey, N.L.
            (l978)

Zazueta, F.S.
1978   Analisis de Ventilacion Natural de la Casa Solar 'Xochitl-Quetzal' (Analysis of Natural
            Ventilation in the Solar House Xochitl-Quetzal). Department of Thermal, Fluids and
            Control Engineering. ITESM and the Organization of American States. Monterrey, N.L.
            (l978)

Zazueta, F.S.
    1980   Un Paquete Grafico Interactivo Para Microcomputadoras (An interactive graphics
                    package for microcoputers). GESA, México D.F.

Zazueta, F.S.
            1981 Proyecciones de poblacion (Population forecasting). GESA, México D.F. 50 p.

Zazueta, F.S.
    1982   Liquidacion de impuestos prediales (Property tax management). GESA, México D.F. 69
                                    p.

Extension Publications

Bulletins:

Smajstrla, A.G., D.Z. Haman and F.S. Zazueta
1997   Irrigated Acreage in Florida. This document is Circular 1187, Florida Cooperative
            Extension Service, Institute of Food and Agricultural Sciences, University of Florida.
            Publication date: June 1997.

Smajstrla, A.G. , F.S. Zazueta and D.Z. Haman
1997   Lawn Sprinkler Selection and Layout for Uniform Water Application. Bulletin 320,
            Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences,
            University of Florida. Publication date: June 1997.

Pitts, D.J., and F.S. Zazueta
1996   Operation of System Controllers and Control Valves, Micro Irrigation Management
            Workshop series Southwest Florida Research and Education Center University of
            Florida.

F. S. Zazueta
1996   Filtration for Micro Irrigation Systems, Micro Irrigation Management Workshop series
            Southwest Florida Research and Education Center University of Florida.

Smajstrla, A.G., B.J. Boman, D.Z. Haman, D.J. Pitts and F. S. Zazueta
1996   Field Evaluation of Micro Irrigation Water Application Uniformity, Bulletin-265. Florida
                Cooperative Extension Service, Institute of Food and Agricultural Sciences, 8 p.

A.G. Smajstrla, Boman, B.J., D.J. Pitts, D.Z. Haman, F. Izuno and F.S. Zazueta
1996   Basic Irrigation Scheduling in Florida. Institute of Food and Agricultural Sciences,
            University of Florida Bulletin - 249. 8 p.
F.S. Zazueta dn J. Xin

1994.   Soil Moisture Sensors. Institute of Food and Agricultural Sciences, University of Florida. Extension Bulletin 292.

Smajstrla, A.G., G.A. Clark, and F.S. Zazueta
1993   Design of agricultural irrigation systems for Florida. Institute of Food and Agricultural Sciences, University of Florida. Extension Bulletin 93-18. 14 p.

Smajstrla, A.G., G.A. Clark, and F.S.. Zazueta.
1991   Design of agricultural irrigation systems for Florida. Institute of Food and Agricultural Sciences, University of Florida. Extension Bulletin 93-18. 14 p.

Smajstrla, A.G., W.G. Bogges, B.J. Bowman, C.A. Clark, D.Z. Haman, G.W. Knox, S.J. Locascio, T.A. Obreza, L.R. Parsons, F.M. Rhoads, T. Yaeger and F.S.. Zazueta.
1991   Florida microirrigation Systems and Costs: a report on the status and potential of microirrigation in Florida Agriculture. Submitted to the Fla. House of Representatives Comm. on Agriculture. 27 pp.

Clark, G. A., A.G. Smajstrla, F.S. Zazueta and D.Z. Haman.
1990.   Injection of chemicals into irrigation systems: Rates, volumes, and injection periods. IFAS Ext. Bul. 250 Revised. 12 p.

Haman, D.Z., A.G. Smajstrla and F.S.. Zazueta.
1990.   Chemical injection methods for irrigation. IFAS Ext. Cir. 864. 21 p.

Haman, D.Z., A.G. Smajstrla, F.S. Zazueta and G.A. Clark.
1990.   Selecting a method for sealing ponds in Florida. IFAS Ext. Cir. 870. 9 p.

Smajstrla, A.G., B.J. Boman, G.A. Clark, D.Z. Haman, D.J. Pitts, and F.S.. Zazueta.
1990.   Field evaluation of microirrigation water application uniformity. IFAS Ext. Bul. 265. 9 p.

Smajstrla, A. G., B.J. Boman, G.A. Clark, D.Z. Haman, D.J. Pitts, and F.S.. Zazueta.
1990.   Field evaluations of irrigation systems: Solid set or portable sprinkler systems. IFAS Ext. Bul. 266. 9 p.

Clark, G.A., C.D. Stanley, F.S. Zazueta and E.E. Albregts.
1989   Farm ponds in Florida irrigation systems. IFAS Bulletin 257. 20 p.

Smajstrla, A.G., F.S. Zazueta, G.A. Clark, and D.J. Pitts.
1989   Irrigation scheduling with evaporation pans. Institute of Food and Agricultural Sciences, University of Florida Ext. Bul 254. 11 p.

Clark, G.A., D.Z. Haman, and F.S.. Zazueta.
1988   Injection of chemicals into irrigation systems: Rates, Volumes, and Injection Periods. Institute of Food and Agricultural Sciences, University of Florida Ext. Bul 250. 12 p.

Zazueta, F.S.
1988   Expert irrigation control systems. National Food and Energy Council. 4 pp.

Zazueta, F.S.
1988   Construccion de albarradas y presas pequenas. Asociacion de Ganaderos Del Litoral-Institute of Food and Agricultural Sciences, Universidad de Forida, Gainesville, FL. 10 pp.

Smajstrla, A.G., D.S. Harrison, W.J. Becker, F.S. Zazueta , and D.Z. Haman.

1988   Backflow prevention requirements for Florida irrigation systems. Institute of Food and Agricultural Sciences, University of Florida Ext. Bul 217 (Revised). 15 p.

Smajstrla, A.G. B.J. Boman, G.A. Clark, D.Z. Haman, D.S. Harrison, F.T. Izuno, and F.S.. Zazueta.
1988   Efficiencies of Florida agricultural irrigation systems. Institute of Food and Agricultural Sciences, University of Florida Ext. Bul. 247. 15 pp.

Smajstrla, A.G., B.J. Boman, G.A. Clark, D.Z. Haman, F.T. Izuno, and F.S.. Zazueta.
1988   Basic irrigation scheduling. Institute of Food and Agricultural Sciences, University of Florida Ext. Bul. 249. 18 pp.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta.
1985   Agricultural Water Measurement. Bulletin 207. Florida Cooperative Extension Service. Institute of Food and Agricultural Sciences, University of Florida. University of Florida. Gainesville, FL.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta.
1985   Windmills and wind generators. Bulletin 216. Florida Cooperative Extension Service. Institute of Food and Agricultural Sciences, University of Florida. University of Florida. Gainesville, FL.

Smajstrla A.G., D.S. Harrison, W.J. Becker, F.S. Zazueta, and D.Z. Haman.
1985   Backflow prevention requirements for Florida irrigation systems. Bulletin 217. Florida Cooperative Extension Service. Institute of Food and Agricultural Sciences, University of Florida. University of Florida. Gainesville, FL.

Smajstrla, A.G., D.S. Harrison, and F.S.. Zazueta.
1985   Agricultural Water Measurement. Institute of Food and Agricultural Sciences, University of Florida Extension Bulletin 207. 21 pp.

Smajstrla, A.G., D.S. Harrison, F.S. Zazueta, L.R. Parsons, and K.C. Stone.
1985   Trickle Irrigation Scheduling for Florida Citrus. Institute of Food and Agricultural Sciences, University of Florida Extension Bulletin 208. 30 pp.

Harrison, D.S., A.G. Smajstrla, and F.S.. Zazueta.
1985   About Windmills and Wind Generators.Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Bulletin 226.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta.
1985   Irrigation systems and cost estimates for row crop production in Florida. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Bulletin 216.

Smajstrla A.G., G.A. Clark, S.F. Shi, F.S. Zazueta, and D.S. Harrison.
1984   Potential evapotranspiration probabilities and distributions in Florida. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Bulletin 205.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta.
1983   Field evaluation of trickle irrigation systems: Uniformity of water application. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Bulletin 195.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta

1983   Sprinkler, trickle and other irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Bulletin 197.

Harrison D.S., A.G. Smajstrla, and F.S.. Zazueta
1983   Sprinkler and trickle irrigation systems and costs for citrus and orchard crops. Institute of Food and Agri cultural Sciences, University of Florida. Florida Cooperative Extension Service. Bulletin 196.

Extension Circulars

Sepúlveda, E.S. and F.S. Zazueta
2004   Wetted bulb dimensions from a trickle source. ABE351. Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.

Sepúlveda, E.S. and F.S. Zazueta
2004   Dimensiones del bulbo húmedo en Riego Localizado. ABE351S. Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida.

Zazueta, F.S.
1993.   Evaluation of landscape irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Circular 1105. 89 p.

Zazueta, F.S.
1993.   MOBILE fast start. .Institute of Food and Agricultural Sciences, University of Florida. Circular 1104. 12 p.

Zazueta, F.S., and A.G. Smajstrla.
1993   Electrical solenoid wire sizing. Institute of Food and Agricultural Sciences, University of Florida. Circular 1108. 4 p.

Zazueta, F.S., A.G. smasjtrla and G.A. Clark.
1993.   Evapotranspiration estimation by the Pan evaporation method.Institute of Food and Agricultural Sciences, University of Florida. Circular 1107 4 p.

Zazueta, F.S., A.G. Smajstrla and G.A. Clark.
1993   Sodium hypochlorite Injection Calculations. Institute of Food and Agricultural Sciences, University of Florida. Extension Circular SW009B 4 p.

Zazueta, F.S., E. Hanlon.
1993.   Estimation of liming requirements. Institute of Food and Agricultural Sciences, University of Florida. Extension Circular SW009C. 4 p.

Bucklin. R.A., F.S. Zazueta, and F. Chapman.
1993.   Aquarium wood stand design. Extension Circular .18p.

Zazueta, F.S.
1993.   Evaluation of landscape irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Circular 1105. 89 p.

Zazueta, F.S.
        1993.   MOBILE fast start. Institute of Food and Agricultural Sciences, University of Florida. Circular 1104. 12 p.

Zazueta, F.S., and A.G. Smajstrla.
  1993.   Electrical solenoid wire sizing. Institute of Food and Agricultural Sciences, University of Florida. Circular 1108. 4 p.

Zazueta, F.S., A.G. smasjtrla and G.A. Clark.
  1993.   Evapotranspiration estimation by the Pan evaporation method.Institute of Food and Agricultural Sciences, University of Florida. Circular 1107 4 p.

F.S. Zazueta and L.M. Bean.
1992   Design of trapezoidal non-erodible, non-silting channels. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 1058. 8 p.

F.S. Zazueta and L.M. Bean.
1992   Design of trapezoidal erodible channels. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 1057. 7 p.

F.S. Zazueta and J.I. Valiente.
1992   Manning's Equation Calculator for Trapezoidal Channels.Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 1056. 4 p.

F.S. Zazueta and J.I. Valiente.
1992   Mannings Equation calculator for parabolic channels. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 1055. 4 p.

Smajstrla, A.G., D.S. Harrison, D.Z. Haman and F.S.. Zazueta.
1992   Irrigated acreage in Florida. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 1030. 4 p.

Smajstrla, A.G., D.Z. Haman and F.S.. Zazueta.
1992   Calibration of fertilizer injectors for agricultural irrigation systems. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 1033. 4 p.

Zazueta F.S.. and R. Lokers.
1991   PCCONT: A microcomputer based scheduler for nursery irrigation systems. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 1066. 10 p.

Clark, G.A., A.G. Smajstrla, F.S. Zazueta, F.T. Izuno, B.J. Bowman, D.J. Pitts, and D.Z. Haman.
1991   Uses of water in Florida crop production systems. IFAS circular 940. 5 p.

Zazueta, F.S., G.A. Clark, and W.D. Graham.
1991   Transient well drawdown in a confined aquifer. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 906. 6 p.

Zazueta, F.S., A.G. Smajstrla, and F.T. Izuno.
1991   Transient parallel drain design. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 796. 6 p. (revised for CDROM.)

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.
1991   Measurement of hydraulic conductivity when a water table is present. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 798. 5 p. (revised for CDROM.)

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.
1991   Water table profiles and flow rates to interceptor drains. Institute of Food, and Agricultural Sciences, University of Florida Ext. Cir. 799. 5 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla and D.Z. Haman.
1991   Design of turf irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 755. 16 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1991   Estimation of evapotranspiration by the Penman method. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 750. 6 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1991   Estimation of evapotranspiration by the Stephens-Stuart method: Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 751. 4 p. (revised for CDROM.)

Zazueta F.S., S.F. Shi, A.G. Smajstrla, and D.Z. Haman.
1991   Estimation of evapotranspiration by the Blaney-Criddle method: Radiation modification procedure. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 747. 4 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1991   Hydraulic specifications of trickle irrigation subunits. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 584. 8 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, D.S. Harrison, and H.W. Ford.
1991   Diagnosis and treatment of iron and slime clogging problems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 585. 2 p. (revised for CDROM.)

Zazueta, F.S., J.I. Valiente and J.F.K. Earle.
1990   Estimation of peak runoff rate using the rational method. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir 907. 4 p.

Zazueta, J.I. Valiente and A.G. Smajstrla.
1990   Volume and rate of runoff in small watersheds (SCS). Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 908 4 p.

Zazueta, J.I. Valiente and A.G. Smajstrla.
1990   Rainfall intensity estimation. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 909. 4 p.

Zazueta, F.S., G.A. Clark, and W.D. Graham.
1990   Steady flow well drawdown in a confined aquifer. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 904. 4 p.

Zazueta, F.S., G.A. Clark, and W.D. Graham.
1990   Steady flow well drawdown in a phreatic aquifer. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 905. 4 p.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1990   Head loss computations in pipeline systems.   Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 902. 4 p.

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.

1990   Steady-state parallel drain design. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 795. 5 p.

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.
1990   Measurement of hydraulic conductivity in the absence of a water table. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 797. 6 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1990   Evapotranspiration estimation utilities. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 744. 8 p. (revised for CDROM.)

Zazueta F.S., D.Z. Haman, and A.G. Smajstrla.
1990   Estimation of evapotranspiration by the DoorenbosPruit method. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 748. 4 p. (revised for CDROM.)

Zazueta F.S., D.Z. Haman, and A.G. Smajstrla.
1990   Estimation of evapotranspiration by the Jensen-Haise method: Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 749. 4 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1990   Estimation of evapotranspiration by the BlaneyCriddle method: SCS procedure. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 746. 4 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1990   Preliminary design of trickle irrigation subunits. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 581. 5 p. (revised for CDROM.)

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1990   Pump characteristics and power consumption. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 583. 10 p. (revised for CDROM.)

Clark, G.A., A.G. Smajstrla, and F.S.. Zazueta.
1989   Atmospheric parameters which affect evapotranspiration. IFAS Circular 822. 9 p.

Clark, G.A., A.G. Smajstrla, and F.S.. Zazueta.
1989   Measurement of solar radiation (Total and net.) IFAS Circular 827. 5 p.

Roy, B.L., P.H. Jones, F.S. Zazueta, and J.T. Polak.
1989   Cost analysis software for pad and fan cooling systems. Institute of Food and Agricultural Sciences, University of Florida Ext. Cir. 838. 11 p.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1989   Water Management Utilities. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 912. 4 p.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1989   Estimation of effective rainfall. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 752. 3 p. (revised for CDROM.)

Zazueta F.S., D.Z. Haman, and A.G. Smajstrla.
1989   Estimation of evapotranspiration by the Thorntwaite method. Institute of Food and
            Agricultural Sciences, University of Florida. Florida Cooperative Extension Service.
            Circular 745. 4 p. (revised for CDROM.)

Zazueta F.S.. G. Kidder, and A.G. Smajstrla.
1989   Neutralization of excess bicarbonates in irrigation water. Institute of Food and
            Agricultural Sciences, University of Florida. Florida Cooperative Extension Service.
            Circular 721. 6 p. (revised for CDROM.)

Zazueta F.S., D.S. Harrison, and A.G. Smajstrla.
1989   Computer estimation of the hydraulic specifications of trickle irrigation systems.   Insti-
            tute of Food and Agricultural Sciences, University of Florida. Florida Cooperative
            Extension Service. Circular 584. 8 p. (revised for CDROM.)

Panagakis, P.B., F.S. Zazueta, and R.A. Bucklin.
1988   Estimation of greenhouse heat looses. Institute of Food and Agricultural Sciences,
            University of Florida Ext. Cir. 722. 11 p.

Smajstrla, A.G. F.S.. Zazueta , and D.Z. Haman.
1988   Center pivot irrigation systems and applications in Florida. Institute of Food and
            Agricultural Sciences, University of Florida Ext. Cir. 804. 19 p.

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.
1987   Steady-state parallel drain design. Institute of Food and Agricultural Sciences,
            University of Florida Ext. Cir. 795.

Zazueta, F.S., A.G. Smajstrla, and F.T. Izuno.
1987   Transient parallel drain design. Institute of Food and Agricultural Sciences, University of
            Florida Ext. Cir. 796.

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.
1987   Measurement of hydraulic conductivity in the absence of a water table. Institute of Food
            and Agricultural Sciences, University of Florida Ext. Cir. 797.

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.
1987   Measurement of hydraulic conductivity when a water table is present. Institute of Food
            and Agricultural Sciences, University of Florida Ext. Cir. 798.

Zazueta, F.S., F.T. Izuno, and A.G. Smajstrla.
1987   Water table profiles and flow rates to interceptor drains. Institute of Food, and
            Agricultural Sciences, University of Florida Ext. Cir. 799.

Zazueta F.S., A.G. Smajstrla and D.Z. Haman.
1986   Design of turf irrigation systems. Institute of Food and Agricultural Sciences, University
            of Florida. Florida Cooperative Extension Service. Circular 755.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1986   Evapotranspiration estimation utilities. Institute of Food and Agricultural Sciences,
            University of Florida. Florida Cooperative Extension Service. Circular 744.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1986   Estimation of evapotranspiration by the Penman method. Institute of Food and
            Agricultural Sciences, University of Florida. Florida Cooperative Extension Service.
            Circular 750.

Zazueta F.S., D.Z. Haman, and A.G. Smajstrla.
1986   Estimation of evapotranspiration by the DoorenbosPruit method. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 748.

Zazueta F.S., D.Z. Haman, and A.G. Smajstrla.
1986   Estimation of evapotranspiration by the Jensen-Haise method: Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 749.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1986   Estimation of evapotranspiration by the StephensStuart method: Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 751.

Zazueta F.S., S.F. Shi, A.G. Smajstrla, and D.Z. Haman.
1986   Estimation of evapotranspiration by the BlaneyCriddle method: Radiation modification procedure. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 747.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman.
1986   Estimation of evapotranspiration by the BlaneyCriddle method: SCS procedure. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 746.

Zazueta F.S., A.G. Smajstrla, and D.Z. Haman
1986   Estimation of effective rainfall. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 752.

Zazueta F.S., D.Z. Haman, and A.G. Smajstrla.
1986   Estimation of evapotranspiration by the Thorntwaite method. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 745.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta
1986   Selection of pressure tanks for water supply systems. Florida Cooerative Extension Service. Circular 741.

Zazueta F.S.. and A.G.
1985   IR-CONTROL: A computer controller for irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 705.

Zazueta F.S.. G. Kidder, and A.G. Smajstrla
1985   Neutralization of excess bicarbonates in irrigation water. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 721.

Zazueta F.S., D. Gilpin-Hudson, A.G. Smajstrla, and D.Z. Haman
1985   Control+: A computer controller for irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 688.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.

1984   Design of multiple outlet pipes on irregular topographies. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 604.

Zazueta F.S., D.S. Harrison, and A.G. Smajstrla.
1984   Computer estimation of the hydraulic specifications of trickle irrigation systems.   Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 604.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1983   Trickle irrigation Utilities. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 580.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1983   Preliminary design of trickle irrigation subunits. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 581.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1983   Utilities for main line and submain line design. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 582.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1983   Pump characteristics and power consumption. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 583.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison
1983   Hydraulic specifications of trickle irrigation subunits. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 584.

Zazueta F.S., A.G. Smajstrla, D.S. Harrison, and H.W. Ford.
1983   Diagnosis and treatment of iron and slime clogging problems. institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Circular 585.

Fact sheets

 F.S. Zazueta and G. Miller.
2000   Turf Irrigation with a hose and sprinkler. Agric. Eng. Fact Sheet. AE-265

F.S. Zazueta, G. Millar and Wenxiu Zhang.
2000   Reduced irrigation of the St. Augustine TUrfgrass in the Tampa Bay Area. Agric. Eng. Fact Sheet. AE-264

Smajstrla, A.G., F.S. Zazueta, and D.Z. Haman.
1989   Potential impacts of improper irrigation system design. Agric. Eng. Fact Sheet. AE-73.

Smajstrla, A.G., F.S. Zazueta, and D.Z. Haman.
1989   Potential impacts of improper irrigation system design. IFAS special series Publ. SS-AGE-807.

Clark, G.A., A.G. Smajstrla, and F.S.. Zazueta.
1989   Measurement of Solar Radiation. Agric. Eng. Fact Sheet. AE- .

Haman, D.Z., A.G. Smajstrla, and F.S.. Zazueta.

1988   Screen filters for irrigation in Florida. Agric. Eng. Fact Sheet. AE-61. 5 p.

Haman, D.Z., A.G. Smajstrla, and F.S.. Zazueta.
1988   Settling basins for trickle irrigation in Florida. Agric. Eng. Fact Sheet AE-65. 4 p.

Zazueta, F.S., C.D. Stanley, and S.P. Kovach.
1987   Irrigation scheduling by water budgeting. Sind Institute for On-Farm Water Management. Hyderabad, Pakistan.

Zazueta, F.S., C.D. Stanley, and S.P. Kovach.
1987   Procedure for the estimation of effctive rainfall. Sind Institute for On-Farm Water Management. Hyderabad, Pakistan.

Zazueta, F.S., C.D. Stanley, S.P. Kovach, and A.J. Divine.
1987   Estimation of average irrigation requirements. Sind Institute for On-Farm Water Management. Hyderabad, Pakistan.

D.Z. Haman A.G. Smajstrla, and F.S.. Zazueta
1986   Media filters for trickle irrigation in Florida. Institute of Food and Agricultural sciences. Florida Cooperative Extension Service. Agricultural Engineering. AE-FS:57

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1984   Glossary of trickle irrigation terms. Institute of Food and Agricultural sciences.   Florida Cooperative Extension Service. Agricultural Engineering Fact Sheet AE-45

Zazueta F.S.
1984   Understanding the concepts of uniformity and efficiency in irrigation. Institute of Food and Agricultural Sciences, University of Florida.   Florida Cooperative Extension Service. Agricultural Engineering Fact Sheet AE-43

Smajstrla, A.G., J.C. Good, D.S. Harrison, and F.S.. Zazueta
1983   Measuring water levels in wells: An inexpensive electric water level indicator. Institute of Food and Agricultural Sciences, University of Florida.   Florida Cooperative Extension Service. Agricultural Engineering Fact Sheet AE-46.

Extension Special Series and Extension Reports

Smajstrla, A.G., G.A. Clark and F.S.. Zazueta.
1993.   Improving efficiency for drip irrigated tomato production: Selection of main pipelines. Institute of Food and Agricultural Sciences, University of Florida. ER 93-8. 7 p.

Smajstrla, A.G., D.Z. Haman and F.S.. Zazueta.
1993.   Measuring pump capacity for irrigation system design.   Institute of Food and Agricultural Sciences, University of Florida. ER 93-8. 8 p.

Smajstrla, A.G., G.A. Clark and F.S.. Zazueta.
1993.   Improving efficiency for drip irrigated tomato production: Selection of main pipelines. Institute of Food and Agricultural Sciences, University of Florida. ER 93-8. 7 p.

Smajstrla, A.G., D.Z. Haman and F.S.. Zazueta.
1993.   Measuring pump capacity for irrigation system design.   Institute of Food and Agricultural Sciences, University of Florida. ER 93-8. 8 p.

Zazueta, F.S., R.A. Bucklin, P.H. Jones and A.G. Smajstrla.

1992   Basic concepts in environmental computer control in agricultural systems. SS-AGE-28.
        9 pp.

Zazueta, F.S., A.G. Smajstrla and G.A. Clark.
1992   Least-Cost pipe diameters. SS-AGE-30. 4 pp.

Smajstrla, A.G. and F.S.. Zazueta.
1992.   Design of drip irrigation systems for vegetables. Agr. Eng. Ext. Rpt. 92-5. 9 pp.

Smajstrla , A.G.,W.G. Boggess, B.J. Bowman, G.A. Clark, D.Z. Haman, G.W. Knox, S.J.
Locassio, T.A. Obreza, L.R. Parsons, F. M. Rhoads, . Yeager, and F.S.. Zazueta.
1992   Microirrigation in Florida: Systems acreage, and costs. Agr. Eng. Ext. Rpt. 92-9. 14 pp.

Zazueta, F.S., J.N. Xin, and T.A. Wheaton.
1992   Least Cost Pipe Estimator. University of Florida, IFAS. SS-AGE-30. 4 pp.

Zazueta, F.S., A.G. Smajstrla, and G.W. CLark.
1992   Least Cost Pipe Estimator. University of Florida, IFAS. SS-AGE-30. 4 pp.

Zazueta, F.S., R. Bucklin, P.H. Jones and A.G. Smajstrla.
1991   Basic concepts in environmental control of agricultural systems. Ag. Eng. Ext. Rpt. 91-6.
        6 p.

A.G. Smajstrla, D.Z. Haman and F.S.. Zazueta.
1991   Calibration of fertilizer injectors for agricultural irrigation systems. Agric. Engr. Ext.
        Rpt. 91-17. 5 p.

A.G. Smajstrla, D.S. Harrison, D.Z. Haman and F.S.. Zazueta.
1991   Irrigation in Florida. Agric. Engr. Ext. Rpt. 91-12. 10 p.

Zazueta, F.S., A.G. Smajstrla, G.A. Clark and D.Z. Haman.
1991   Scheduling and operation of irrigation systems. Irrigation seminar. Southwest Florida
        Water Management District. Brooksville, FL.

Smajstrla, A.G., D.Z. Haman and F.S.. Zazueta.
1990   Calibration of chemical injection systems for agricultural irrigation systems. IFAS
        Special Series Rpt. SS-AGE-002.

Clark, G.A., A.G. Smajstrla and F.S.. Zazueta.
1990. Uses of water in Florida crop production systems. IFAS Special Series Rtp. SS-AGE-011.
6 p.

Smajstrla, A.G., B.J. Boman, D.Z. Haman, D.S. Harrison, F.T. Izuno, D.J. Pitts and F.S.. Zazueta.
1990.   Efficiencies of Florida agricultural irrigation systems. IFAS Special Series Rpt. SS-
        AGE-021. 20 p.

Smajstrla, A.G., D.S. Harrison, W.J. Becker, F.S. Zazueta and D.Z. Haman.
1990.   Florida backflow prevention requirements for agricultural irrigation systems. IFAS
        Special Series Rpt. SS-AGE-016.

Haman, D.Z., A.G. Smajstrla and F.S.. Zazueta.
1990.   Chemical injection methods for irrigation. Agric. Engr. Ext. Rpt. 90-1.

Smajstrla, A.G., F.S. Zazueta and D.Z. Haman.
1989   Sound Management of turf irrigation systems in Florida. IFAS Special Series Publ. SS-
        AGE-915.

Zazueta, F.S., and A.G. Smajstrla.
1989   Water Management Utilities. Agric. Engr. Ext. Rpt. 89-1. 24 p.

Zazueta, F.S., and A.G. Smajstrla.
1989   Hazen-Williams equation calculator. Agric. Engr. Ext. Rpt. 89-2.

Zazueta, F.S. and A.G. Smajstrla.
1989   Head loss computations in pipeline systems. Agric. Engr. Ext. Rpt. 89-3.

Zazueta, F.S., G.A Clark, C.D. Stanley, and E.E. Albregts.
1989   Pond design for freeze protection. Agric. Engr. Ext. Rpt. 89-4.

Zazueta, F.S., A.G. Smajstrla, and D.Z. Haman.
1989   Field evaluation of the coefficient of uniformity. Agric. Engr. Ext. Rpt. 89-5.

Zazueta, F.S., G.A. Clark, and W.D. Graham.
1989   Steady-flow well drawdown in a confined aquifer. Agric. Engr. Ext. Rpt. 89-6.

Zazueta, F.S., W.D. Graham, and G.A. Clark.
1989   Steady-flow well drawdown in a phreatic aquifer. Agric. Engr. Ext. Rpt. 89-7.

Zazueta, F.S., G.A. Clark, and W.D. Graham.
1989   Transient flow well drawdown in a confined aquifer. Agric. Engr. Ext. Rpt. 89-8.

Zazueta, F.S., J.I. Valiente, and J.F.K. Earle.
1989   Estimation of peak runoff using the rational method. Agric. Engr. Ext. Rpt. 89-9.

Zazueta, F.S., J.I. Valiente, and A.G. Smajstrla.
1989   Volume and rate of runoff in small watersheds(SCS). Agric. Engr. Ext. Rpt. 89-10.

Haman, D.Z., A.G. Smajstrla, F.S. Zazueta and G.A. Clark.
1989   Selecting a method for pond sealing in Florida. Agric. Engr. Ext. Rpt. 89-22.

Smajstrla, A.G., B.J. Boman, G.A. Clark, D.Z. Haman, D.J. Pitss and F.S.. Zazueta.
1989   Evaluating micro irrigation performance under field conditions. Agric. Engr. Ext. Rpt. 89-27.

Smajstrla, A.G., B.J. Boman, G.A. Clark, D.Z. Haman, D.J. Pitts and F.S.. Zazueta.
1989   Sprinkler uniformity testing under field conditions. Agric. Engr. Ext. Rpt. 89-28.

Zazueta, F.S., J.I. Valiente, and A.G. Smajstrla.
1989   Rainfall intensity estimation. Agric. Engr. Ext. Rpt. 89-11.

Bucklin, R.A., I.A. Naas, F.S. Zazueta, and W.R. Walker.
1988   Natural ventilation in swine housing. Agric. Engr. Ext. Rpt. 88-36.

Clark, G.A., A.G. Smajstrla, and F.S.. Zazueta.
1988   Measurement of solar radiation. Agric. Engr. Ext. Rpt. 88-46.

Clark, G.A., C.D. Stanley, F.S. Zazueta, and E.E. Albregts.
1988   Farm ponds in Florida irrigation systems. Agric. Engr. Ext. Rpt. 88-41.

Clark, G.A., C.D. Stanley, F.S. Zazueta, and E.E. Albregts.
1988   Atmospheric parameters which affect evapotranspiration. Agric. Engr. Ext. Rpt. 88-45.

Smajstrla, A.G., F.S. Zazueta , and D.Z. Haman.
1988   Center pivot irrigation systems and applications in Florida. Agric. Engr. Ext. Rpt. 88-9.

Smajstrla, A.G., B.J. Boman, G.A. Clark, D.Z. Haman, F.T. Izuno , and F.S.. Zazueta.
1988   Basic irrigation scheduling. Agric. Engr. Ext. Rpt. 88-10.

Smajstrla, A.G., D.S. Harrison, W.J. Becker, F.S. Zazueta , and D.Z. Haman.
1988   Backflow prevention requirements for Florida irrigation systems. Agric. Engr. Rpt.
          88-11.

Smajstrla, A.G. B.J. Boman, G.A. Clark, D.Z. Haman, D.S. Harrison, F.T. Izuno, and F.S..
Zazueta.
1988   Efficiencies of Florida agricultural irrigation systems. Agric. Engr. Ext. Rpt. 88-12.

Haman, D.Z., A.G. Smajstrla , and F.S.. Zazueta.
1987   Settling basins for trickle irrigation in Florida. Agric. Engr. Ext. Rpt. 87-1.

Haman, D.Z., A.G. Smajstrla, and F.S.. Zazueta.
1987   Water quality problems of micro irrigation in Florida. Agric. Engr. Ext. Rpt. 87-2.

Smajstrla, A.G., F.S. Zazueta , and D.Z. Haman.
1987   Potential impacts of poorly designed irrigation systems. Agric. Engr. Ext. Rpt. 87-16.

Gilpin-Hudson D.R., F.S. Zazueta, J.R. Strain, A.G. Smajstrla W.D. Shoup, and D.L. Ingrahm.
1986   The economic analysis of labor saving devices. Institute of Food and Agricultural
          Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural
          Engineering ER 86-32.

F.S. Zazueta, F.T. Izuno, and A.G. Smajstrla.
1986   Measurement of hydraulic conductivity when a water table is present. Institute of Food
          and Agricultural Sciences, University of Florida. Florida Cooperative Extension
          Service.   Agricultural Engineering ER 86-34.

F.S. Zazueta, A.G. Smajstrla, and F.T. Izuno.
1986   Measurement of hydraulic conductivity when a water table is absent. Institute of Food
          and Agricultural Sciences, University of Florida. Florida Cooperative Extension
          Service.   Agricultural Engineering ER 86-36.

F.S. Zazueta, A.G. Smajstrla, and F.T. Izuno.
1986   Transient paralell drain design.Institute of Food and Agricultural Sciences, University of
          Florida. Florida Cooperative Extension Service.   Agricultural Engineering ER 86-33.

F.S. Zazueta, F.T. Izuno, and A.G. Smajstrla.
1986   Steady-state paralell drain design. Institute of Food and Agricultural Sciences,
          University of Florida. Florida Cooperative Extension Service.   Agricultural
          Engineering ER 86-35.

F.S. Zazueta, and A.G. Smajstrla
1986   An information delivery utility generator. Institute of Food and Agricultural Sciences,
          University of Florida. Florida Cooperative Extension Service.   Agricultural
          Engineering ER 86-37.

A.G. Smajstrla, D.Z. Haman, and F.S.. Zazueta
1985   Chemical injection (chemigation) methods and calibration. Institute of Food and
          Agricultural Sciences, University of Florida. Florida Cooperative Extension Service.
          ER 85-22.

Zazueta F.S., and A.G. Smajstrla
1985   IR-CONTROL: A computer controller for irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. ER 85-16.

Haman D.Z., A.G. Smajstrla and F.S.. Zazueta.
1985   Media filters for trickle irrigation in Florida. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. ER 85-11.

Zazueta F.S., D. Gilpin-Hudson, A.G. Smajstrla, and D.Z. Haman
1985   Control+ Vic20. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. ER 85-9.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1984   Computer control of mister systems for nursery propagation houses. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. ER 84-8.

Smajstrla, A.G., G.A. Clark, S.F. Shih, F.S. Zazueta, and   D.S.   Harrison.
1985   Potential Evapotranspiration probabilities and Distributions in Florida. Institute of Food and Agricultural Sciences, University of Florida. Florida cooperative Extension Service. ER 83-13 (revised)

Smajstrla, A.G., D.S. Harrison, W.J. Becker, F.S. Zazueta, and D.Z. Haman.
1985   Backflow prevention requirements for Florida irrigation Systems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. ER 84-21 (revised) February, 1985.

Harrison, D.S., A.G. Smajstrla, and F.S.. Zazueta.
1985   Field Studies of Porous Pipe for Trickle Irrigation. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. ER 85-1.

Smajstrla, A.G., F.S. Zazueta, and D.S. Harrison.
1985   Soil characteristics affecting irrigation in Florida. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. ER 85-2. January, 1985.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta.
1984   Backflow prevention requirements for Florida irrigation systems.   Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 84-21.

Zazueta F.S., S. Park-brown, A.G. Smajstrla, and D.S. Harrison.
1984   Computer control of Irrigation systems for nurseries. I. Manual and timer control mode applications. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 84-7.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta.
1984   Agricultural water measurement.   Institute of food and Agricultural sciences. Florida Cooperative Extension Service.   Agricultural Engineering Extension Report ER 84-5.

Smajstrla A.G., D.S. Harrison, F.S. Zazueta, L.R. Parsons, and K.C. Stone.
1984   Trickle irrigation scheduling for Florida citrus. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 84-16.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta
1984   Hydraulic characteristics of porous trickle irrigation laterals. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 84-2.

Zazueta F.s., A.G. Smajstrla, and D.S. Harrison.
1983   Computer aided design of trickle irrigation systems. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 83-17.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta
1983   Trickle irrigation scheduling for Florida citrus. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 83-16.

Harrison D.S., A.G. Smajstrla A.G., and F.S.. Zazueta
1983   Sprinkler irrigation costs for row crops in north and north-west Florida. institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative extension Service. Agricultural Engineering Extension Report ER 83-15.

Smajstrla A.G., G.A. Clark, S.F. Shih, F.S. Zazueta, and D.S. Harrison.
1983   Potential evapotranspiration probabilities and distributions in Florida. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension service. agricultural Engineering Extension Report ER 83-15.

Zazueta F.S., T.R. Hintz, A.G. Smajstrla, and D.S. Harrison.
1983   Downloading CP/M 2.2 x.HEX files form the IFAS Computer Network. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 83-7.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1983   Computer estimation of the hydraulic specifications of trickle irrigation subunits for Florida flatwood soils. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 83-2.

Zazueta F.S., A.G. Smajstrla, and D.S. Harrison.
1983   Glossary of trickle irrigation terms. institute of Food and agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 83-1.

Smajstrla A.G., D.S. Harrison, and F.S.. Zazueta
1982   Field evaluation of trickle irrigation systems: uniformity of water application. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension service. agricultural Engineering Extension Report ER 82-13.

Zazueta F.S.
1982   Understanding the concepts of uniformity and efficiency in irrigation. Institute of Food and Agricultural Sciences, University of Florida. Florida Cooperative Extension Service. Agricultural Engineering Extension Report ER 82-13.

Creative works

Software[1][1]:

PIRAM:

Collection of programs and utilities for demographic analysis and population growth forecasting. GESA. México D.F., 1980.

VALUA:

Collection of programs and utilities for automated generation and maintenance of cadastral data bases and property appraisal based on aerophotogrammetric data. INALDAZ, Quito Ecuador, 1981.

AU (Collaborator)**:**

Collection and programs and utilities for photogrammetric engineering applications. Including drivers for optomechanical restitution equipment, analytical aerotriangulation and a specialty graphics editor for urban and rural cadastral and remote sensing applications. GESA, México, D.F. 1980.

MASK:

I/O mask Z80/8080 relocatable assembly code generator. GESA, México, D.F. 1981.

DESIGN: Preliminary Design of Trickle Irrigation Subunits

This program computes the necessary pipe diameters of trickle irrigation subunit components to insure that the flow variation within the subunit is within prespecified bounds. University of Florida, 1982. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 581)

PIPELINE: Main Line and Submain Line Design

Sizing of main and submain lines in trickle irrigation systems. University of Florida, 1983. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 582)

HAZEN: Hydraulics of single pipe systems.

Hazen-Williams equation calculator for any of the variable in the head loss equation in a section of straight pipe. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 582)

PUMP: Pump Characteristics and Power Consumption

This is an interactive program for the computation of 1) the pump characteristics and, 2) the power requirements of a trickle irrigation system. University of Florida, 1983. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 583)

---

[1][1]   All software listed here is being sold commercially or is being distributed by the Florida Cooperative Extension Service.

SPEC: Hydraulic Specifications of Trickle Irrigation Subunits

This computer program greatly simplifies the computations of the uniformity coefficients, pressures, and discharges. University of Florida, 1983. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 584)

HYPCHL: Diagnosis and Treatment of Iron and Slime Clogging Problems

This utility diagnoses and recommends an initial irrigation water treatment with sodium hypochlorite (NaOC1) to reduce clogging problems University of Florida, 1983. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 585)

IRCONTROL: Computer control of irrigation systems

This program is used with inexpensive hardware to configure a computer control system for up to 256 independent stations.   University of Florida, 1985. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 705)

UNIF: Field uniformity of trickle irrigation systems.

This program estimates the CU for trickle irrigation subunits.

ACID: Estimation of acid injection rates for neutralizing bicarbonates in irrigation water.

This program estimates the requied injection flow rates of diluted acid to guarantee that bicarbonates in irrigation water do not result in Ph soil porblems and Ca deposits in the irrigation system.

SCHED: Irrigation scheduling.

This program maintains a water budget of a full cover irrigated crop. The software implements the Penman and pan methods for ET estimations.

MANIFOLD: Design of Multiple Outlet Pipes on Irregular Topographies

This program has two functions: 1) to compute the theoretical pipe diameters that will cause the static head variation along a multiple outlet pipe to remain within predefined limits, and 2) to compute the static pressure distribution along a multiple outlet pipe given its geometry. University of Florida, 1985. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 604)

DOREN: Estimation of Evapotranspiration by the Doorenbos-Pruit Method

Estimation of daily potential evapotranspiration based on temperature, wind speed and solar radiation. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 748)

STEPHENS: Estimation of Evapotranspiration by the Stephens-Stephens-Stewart Method.

Estimation of monthly potential evapotranspiration based on temperature and radiation data. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 751)

TURF: Design of Turf Irrigation Systems

Design of irrigation systems (open pipe network) of irregular geometry and uneven topography. Allow design based on maximum velocity criteria and analysis of previous design alternatives. Comprehensive editing facility allows quick modification and recalculation of a design alternative. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 755)

PENMAN: Estimation of Evapotranspiration by the Penman Method

Estimation of daily potential, evapotranspiration based on solar radiation, temperature wind speed, albedo, latitude and date. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 750)

JENSEN: Estimation of Evapotranspiration by the Jensen-Haise Method

Estimation of daily potential, evapotranspiration based on temperature, elevation, and solar radiation. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 749)

BLANRAD: Estimation of Evapotranspiration by the Modified Blaney-Criddle Method

Estimation of monthly evapotranspiration based on average monthly temperature, crop coefficients and solar radiation. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 747)

BLANSCS: Estimation of Evapotranspiration by the Blaney-Criddle Method

Estimation of monthly evapotranspiration based on average monthly temperatures and crop coefficients. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 746)

THORN: Estimation of Evapotranspiration by the Thorntwaite Method

Monthly estimation of potential evapotranspiration based on average monthly temperature. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 745)

PUMPTEST: A Turbine and Centrifugal Irrigation Pump Performance Evaluation

Analysis of pump performance, turbine or centrifugal to determine potential savings of replaced or repaired system. University of Florida, 1986.

EFECRAIN: Estimation of Effective Rainfall

Estimation of monthly effective rainfall based on monthly evapotranspiration and monthly rainfall using the soil conservation service method. University of Florida, 1986. (Documented in Institute of Food and Agricultural Sciences, University of Florida Circular 752)

IRREQ: Estimation of Irrigation-Water Requirements

Estimation of monthly irrigation water requirements based on: Irrigation efficiency, evapotranspiration, precipitation and salt balance requirements. University of Florida, 1986. (Documented in Agric. Eng. ER 86-20)

GLOVER: Analysis/Design of Unsteady State Parallel Drains.

This utility determines the variation of water table depth with time due to seepage into the water table from irrigation or rainfall. University of Florida, 1986. (Documented in Agric. Eng. ER 86-33)

KIRKHAM: Analysis/Design of Steady Parallel Drains.

This utility determines the elevation of water table depth due to constant seepage into the water table. University of Florida, 1986. (Documented in Agric. Eng. ER 86-36)

INTDES: Analysis/Design of Interceptor Drains.

This utility determines the water table profile resulting from an interceptor drain and the drain discharge. University of Florida, 1986. (Documented in Agric. Eng. ER 86-35)

KWAT:

This utility is used for in situ estimation of field hydraulic conductivity when a water table is present.   University of Florida, 1986. (Documented in Agric. Eng. ER 86-34)

KNWT:

This utility is used for in situ estimation of field hydraulic conductivity in the absence of a water table.   University of Florida, 1986. (Documented in Agric. Eng. ER 86-36)

NET: Economic analysis of labor saving devices.

This program is used for the estimation of net present value and interest rate of returns resulting from the introduction of tools into agricultural systems. Includes guidelines for taken measurement.   University of Florida, 1986. (Documented in Agric. Eng. ER 86-32)

WELLSTC: Steady flow well drawdown in a confined aquifer.

This program computes the spatial steady state distribution of the water table resulting from pumpage from a circular well in a confined aquifer.

WELLSTP: Steady flow well drawdown in a phreatic aquifer.

This program computes the spatial steady state distribution of the water table resulting from pumpage from a circular well in a phreatic aquifer.

WELLTR: Transient flow well drawdown in an unconfined aquifer.

This program comptutes the spatial and temporal distribution of water table drawdowns due to pumpage from a circular well in a confined aquifer.

INTENS: Estimation of storm characteristics.

This program computes the relationship between, recurrence interval, intensity and duration for any location in the U.S.

RATIONAL: Storm runoff by the rational method.

This program estimates the peak discharge from a water shed using the rational method.

PEAKSCS: Storm volume and discharge by the SCS method.

This program estimates peak discharge from a water shed using the Soil Consevation Service method. The method divides a 24 hr storm into 15 triangular hydrographs and superimposes them to obtain the discharge hydrograph.

PIGMALION::

This is computer aided software engineering tool for automated Pascal code generator. including program structure, I/O mask drivers for standard devices and basic DBM capabilities. GESA, México D.F., 1986.

SCREENS[2]**:**

This is a utility for Information delivery systems generation. Allows the creation of information bases using a microcomputer that allow the user to 'page' through a variety of special subject matter. Supports menu driven textual, graphical and animation displays and acts as a shell to run application programs.

WATPUB:

This is a data base that includes all publications related to water quantity distributed/authored by the Agric. Eng. Dept.

SOILS:

This is a data base that includes properties of soils important to irrigation system design and management for all studied soil series in Florida.

DIGI:

This utility allows graphical information digitization (tablet input) and handling of field chart recorder and other graphical information.

VENT:
This utility performs a simulation of heat transfer in agricultural buildings in humid climates.

ACQUIRE:

This utility performs data aquisition of variables important to anaerobic gas production. Includes automatic failure recovery, and real time displays.

FPOND: Design of tailwater recovery ponds for Florida strawberry production.

This software implements an empirical method for the design of ponds for irrigation, cooling and freeze protection of strawberries in Florida.

MOBILE: Evaluation of landscape irrigation systems.

This software was developed and is used an a mobile irrigation laboratory for the purpose of evaluating turf and commercial ornamental irrigation systems.

STRAW: Simulation of water management in strawberry production.

---

[2]   This software has been used by IFAS subject matter specialist as a driver for information delivery bases. Some of the bases developed are TURFPEST I, TURFPEST 2 (C.H. Peackok, Dept. of Ornamentals), SALTSOL (U. Kadav, Sanford ARCEC) and BEECASH (T. Sanford, Dept. of Entomology).

This is an extensive simulation package for predicting water usage in strawberry production. From historical and other data the model simulates ET, infiltration, runoff, irrigation scheduling, taiwater recovery, and other important mass flows.

EXTURF: Real-time irrigation expert system.

Real time ES for automated irrigation based on the RTES shell.

CONTROL:

A computer controller for irrigation systems based on power line modulation.

CONSERVII:

Computer control software for a 68 station microirrigation system.

EROSION

Universal soil loss equation calculator. It allows rapid assesment of changes in the parameters, such as hydrologic condition, cultivation practice, and many others. 1991.

TRAPDES

Design of trapezoidal non-erodible, non-silting channels. 1992.

ERODTRAP

Design of trapezoidal erodible channels. 1992.

PARACHAN

Mannings equation calculator for parabolic channels. 1992.

TRAPCHAN

Mannings equation calculator for trapezoidal channels. 1992.

OPT

Least-cost design of pipeline systems. 1992.

MOBILE

Software for analysis, database management and reporting for mobile irrigation loaboratory. 1992.

CONSERVII 3

Computer controlled irrigation system. Including climatic data acquisition, irrigation and fertigation. 1992

STAND

Design of aquarium support structures for aquaculture. 1993.

LANDS

Estimation of water requirements for landscape plants. 1993.

LIME

Calculation of liming requirements for Florida Soils. 1993.

CHEMIG

Estimation of injection rates for fertigation using microirrigation systems. 1993.

CIMIS

Citrus disease diagnostic expert system.

MOBILE2

Conversion of mobile irrigation software to windows environment.

AWUGGS

GIS-DBM for water uses in ST. John's River Water Management District, Florida.

SICODE

Comprehensive GIS, DBMS, Simulation and expert system for managing an irrigation district in northern México.