

## PUBLICATIONS

### **Dissertation and Thesis**

Jones, T. L. 1983. Spatial Variations of Density and Thickness in an Engineered Earthen Cover. M.S. Thesis, Department of Agronomy and Soils, Washington State University, Pullman, Washington.

Jones, T.L. 1989. Simulating the Water Balance of an Arid Site. Ph.D. Dissertation, Department of Agronomy and Soils, Washington State University, Pullman, Washington.

### **Book Chapters and Journal Articles**

Cass, A., G.S. Campbell, and T.L. Jones. 1984. Enhancement of Thermal Water Vapor Diffusion in Soils. *Soil Sci. Soc. Am. J.*, 48:25-32.

Kirkham, R.R., G.W. Gee, and T.L. Jones. 1984. Weighing Lysimeters for Long-Term Water Balance Investigations at Remote Sites. *Soil Sci. Soc. Am. J.*, 48:1203-1205.

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Jones, T.L., G.W. Gee, and P.R. Heller. 1990. Psychrometric Measurement of Soil Water Potential: Stability of Calibration and Test of Pressure-Plate Data. *Soil Sci.* 150:535-541.

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Sammis, T.W., J. G. Mexal, and T.L. Jones. 1996. Scientists Teach Science in Elementary Schools. *Journal of Natural Resources and Life Sciences Education*.

Asare, D.K., T.W. Sammis, D. Smeal, and T.L. Jones. 1996. Sensitivity of Simulated Field Water Balance to Different Soil Hydraulic Data. *Trans. ASAE* 39:2085-2092.

Al-Jamal, M. Salameh, T.W. Sammis, T. Jones. 1997. Nitrogen and chloride concentrations in deep soil cores related to fertilization. *Agric. Water Manage.*, 34:1-16.

Vera-Cruz, M.T., T.L. Jones, and M.K. Wood. 1998. Rainfall Interception by Selected Plants in the Chihuahuan Desert. *J. Range Manage.*, 51:91-96.

Sorensen, R.B., and T.L. Jones. 1999. Soil Water Uptake Patterns of Pecan Trees Grown in Coarse Gravelly Soils. Hort. Tech. 9(3):402-408.

Sorensen, R.B., T.L. Jones, G.S. Campbell, and M. Montes-Helu. 1999. Heat Pulse Needles to Measure Pecan Tree Transpiration. Applied Engineering in Agriculture, 15(6):651-657.

Herrick, J., and T.L. Jones. 2002. A Dynamic Cone Penetrometer for Measuring Soil Penetration Resistance. Soil Sci. Soc. Am. J. 66:1320-1324.

Fuchs, E.H., M.K. Wood, T.L. Jones, and B. Racher. 2003. Impacts of tracked vehicles on sediment from a desert soil. Journal of Range Management 56(4): 341-351.

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### **Extension Publications**

S. Ball, and T. Jones. 1998. Degree Days: Theory. NMSU Extension publication #A-228. New Mexico State University Agricultural Experiment Station.

### **Conference Presentations**

Jones, T. L., W. A. Jordan, and G. W. Gee. 1979. "A Test of the Bresler-Russo-Miller Method for Unsaturated Conductivities." Presented to Soil Science Society of America, August 5-9, 1979, Fort Collins, Colorado.

Jones, T. L., W. A. Jordan, A. H. Lu, and J. B. Sisson. 1980. "Prediction of Infiltration and Drainage Using Field and Laboratory Measured Hydraulic Parameters." Presented to American Geophysical Union, May 22, 1980, Toronto, Canada.

Jones, T. L. 1980. "Characterizing Radionuclide Movement Through Sediments: Parameter Estimation and Field Monitoring." Presented to International Atomic Energy Agency Coordinated Research Group, August 22, 1980, Gothernburg, Sweden.

\*Jones, T. L., G. W. Gee, and P. J. Wierenga. 1980. "Radionuclide Transport Under Changing Soil Salinity Conditions." Presented to Interagency Low Level Waste Modeling Workshop, December 2, 1980, Denver, Colorado.

Cass, A., G. S. Campbell, and T. L. Jones. 1982. "Enhancement of Thermal Water Vapor Diffusion in Soils." Presented to Soil Science Society of America, December 3, 1982. Anaheim, California.

\*Jones, T. L., G. W. Gee, J. L. Swanson, and R. R. Kirkham. 1983. "A Laboratory and Field Evaluation of the Mobility of Cobalt-60/EDTA." Presented to Waste Management '83, March 1983, University of Arizona, Tucson, Arizona.

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\*Jones, T. L. 1987. "Special Waste Forms Lysimeters-Arid." Presented to Ninth Annual DOE Low-Level Waste Management Conference, August, 1987, Denver, Colorado.

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\*Jones, T. L., and R. B. Sorensen. 1993. Use of Soil Water Holding Capacity in Irrigation Scheduling. In, Twenty-Seventh Western Pecan Conference Proceedings, p. 124-130, March 7-9, 1993, Las Cruces, NM.

\*Jones, T. L., A. Ghassemi, and R. K. Bhada. 1993. American Chemical Society's Sponsored SEED Program; A Successful Example. In, Proceedings, 1993 Centennial Meeting of the Gulf-Southwest Section of ASEE, Volume II, p. 644-651, April 1-2, 1993, Austin, TX.

King, J. P., T. L. Jones, and A. S. Bawazir. 1993. Unsaturated Flow Through Engineered (Capillary) Barriers. In, Proceedings, 3<sup>rd</sup> Annual WERC Technology Development Conference, p. 150-160, April 22-23, 1993, Las Cruces, NM.

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Sorensen, R.B., and T.L. Jones. 1994. Reducing Nitrate Leaching in Gravelly Soils Through Irrigation Management. Presented at the 86<sup>th</sup> Annual Meeting of the American Society of Agronomy, Seattle, WA., November 13-18, 1994.

Xie, Q.B., and T.L. Jones. 1994. Predicting Soil Compaction Resulting from Track-Vehicle Traffic. Presented at the 86<sup>th</sup> Annual Meeting of the American Society of Agronomy, Seattle, WA., November 13-18, 1994.

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Sorensen, R.B., and T.L. Jones. 1995. Determining Pecan Tree Water Requirements by Sap Flow Techniques. To be presented at the 87<sup>th</sup> Annual Meeting of the American Society of Agronomy, Saint Louis, MO., October 29-November 2, 1995.

Montes-Helu, M.C., and T.L. Jones. 1995. Monitoring Transpiration of Desert Shrubs with Sap Flow Gauges. Presented at the 87<sup>th</sup> Annual Meeting of the American Society of Agronomy, Saint Louis, MO., October 29-November 2, 1995.

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\*Frias-Ramirez, Jose E., Vince Gutschick, and Tim Jones. 1998. Simulation of Light Interception in Pecan Trees Presented at the 3rd National Pecan Scientists Workshop Ruidoso, NM. June 20-23, 1998

\*Jones, T.L., J. Ernesto Frias, and R.J. Sorensen. 1999. Experimental Measurements of Irrigation and Water Use in Pecan Orchards. Presented at the 33<sup>rd</sup> Annual Western Pecan Conference, March 7-9, 1999, Las Cruces, NM.

\*Frias-Ramirez, Jose Ernesto, Vincent P. Gutschick, and T.L. Jones. 1999. Light Interception in Pecan Trees: Computer Modeling and Field Measurements. Presented at the 33<sup>rd</sup> Annual Western Pecan Conference, March 7-9, 1999, Las Cruces, NM.

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Leinauer, B., D.M. VanLeeuwen, and T.L. Jones. 2001. Effect of Wetting Agents on Drainage in Turfgrass Root-zones. Presented at the 2001 Annual Meeting of the Soil Science Society of America, October 21-25, Charlotte, NC.

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\* Published Proceedings

## **Technical Reports**

Jones, T. L. 1978. Sediment Moisture Relations: Lysimeter Project 1976-1977 Water Year. RHO-ST-15, Rockwell Hanford Operations, Richland, Washington.

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Cass, A., G. S. Campbell, and T. L. Jones. 1983. Hydraulic and Thermal Properties of Soil Samples From the Buried Waste Test Facility. PNL-4015, Pacific Northwest Laboratory, Richland, Washington.

Jones, T. L., and G. W. Gee. 1984. Assessment of unsaturated Zone Transport for Shallow Land Burial of Radioactive Waste: Summary Report of Technology Needs, Model Verification, and Measurement Efforts (FY 1978-1983). PNL-4747, Pacific Northwest Laboratory, Richland, Washington.

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Gee, G. W., and T. L. Jones. 1985. Lysimeters at the Hanford Site: Present Use and Future Needs. PNL-5578, Pacific Northwest Laboratory, Richland, Washington.

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