

# Reference Materials for Drip Irrigation

## Design software for layout and pipe sizing

Aqua-Flow Design Assist software from Toro – available at

[www.toro.com/en/agriculture/grower-connection/design-aides/design-software](http://www.toro.com/en/agriculture/grower-connection/design-aides/design-software)

Drip Hydraulics Calculator, Irrigation Training and Research Center, California Polytechnic State University, San Luis Obispo, CA. (Comes with the book Drip and Micro Irrigation Design and Management for Trees, Vines, and Field Crops). Available at [www.itrc.org/publications.htm](http://www.itrc.org/publications.htm)

HydroCalc software from NetaFim, available at [www.netafim.com/en/products-and-solutions/tools/hydrocalc-software/](http://www.netafim.com/en/products-and-solutions/tools/hydrocalc-software/)

## Print materials

Irrigation Association, 2008. Friction Loss Charts, Fairfax, VA. - [www.irrigation.org](http://www.irrigation.org)

Roberts Irrigation Products, Inc. (now part of Rivulis Irrigation), 2001. RO-Drip User Manual.

<http://fyi.uwex.edu/cropirrigation/files/2018/03/Roberts-Drip-Irrigation-User-Manual.pdf>

Burt, C.M. and S.W. Styles, 2011. Drip and Micro Irrigation Design and Management for Trees, Vines, and Field Crops, 4th ed., Irrigation Training and Research Center, California Polytechnic State University, San Luis Obispo, CA. Available at [www.itrc.org/publications.htm](http://www.itrc.org/publications.htm)

Burt, C.M., K. O'Connor, and T. Ruehr, 1995. Fertigation, Irrigation Training and Research Center, California Polytechnic State University, San Luis Obispo, CA. Available at [www.itrc.org/publications.htm](http://www.itrc.org/publications.htm)

Clark G., W. Lamont Jr, C. Marr, D. Rogers, 1996. Maintaining Drip Irrigation Systems, G., MF2178, Kansas State University. <https://www.bookstore.ksre.ksu.edu/pubs/mf2178.pdf>

Daukla, S., J.M. Knowles, N.K. Shrestha, 2014. How to Determine Run Time and Irrigation Cycles for Drip Irrigation: Tomatoes and Pepper Examples. Bulletin AE500, University of Florida Extension, <http://edis.ifas.ufl.edu/pdffiles/AE/AE50000.pdf>

Lamont, W.J., M.D. Orzolik, J.K. Harper, L.F. Kime, and A.R. Jarrett, 2012. Drip Irrigation for Vegetable Production, Pennsylvania State University, University Park, PA. Available at <https://extension.psu.edu/drip-irrigation-for-vegetable-production>

Panuska, J., S. Sanford, and A. Newenhouse, 2015. Methods to Monitor Soil Moisture, Bulletin A3600-02, University of Wisconsin-Extension. <https://learningstore.uwex.edu/Assets/pdfs/A3600-02.pdf>

Sanford, S. and J. Panuska, 2015. Irrigation Management in Wisconsin, Bulletin A3600-01, University of Wisconsin-Extension. <https://learningstore.uwex.edu/Assets/pdfs/A3600-01.pdf>

Resource list for website: Understanding Crop

<http://fyi.uwex.edu/cropirrigation>

University of Wisconsin-Madison

Department of Biological Systems Engineering  
and University of Wisconsin-Extension



Biological Systems  
Engineering  
UNIVERSITY OF WISCONSIN-MADISON

Irrigation  
**UW**  
**Extension**  
University of Wisconsin-Extension

# Reference Materials for Drip Irrigation

Sanford, S. and J. Panuska, 2018. Irrigation Management in Wisconsin, Bulletin A4119, University of Wisconsin-Extension. <https://learningstore.uwex.edu/Assets/pdfs/A4119.pdf>

Scherer, T.F., W. Kranz, D. Pfof, H. Werner, J.A. Wright, and C.D. Yonts, 1999. Sprinkler Irrigation Systems, MWPS-30, Midwest Plan Service, Ames, IA. Available at [www-mwps.sws.iastate.edu/catalog/crop-production/sprinkler-irrigation-systems](http://www-mwps.sws.iastate.edu/catalog/crop-production/sprinkler-irrigation-systems)

Shock C., 2013. Introduction to Drip Irrigation, Bulletin EM 8782, Oregon State University. <https://catalog.extension.oregonstate.edu/em8782>

Simonne, E., R. Hochmuth, J. Breman, W. Lamont, K. Treadwell, and A. Gazula, 2015. Drip-Irrigation Systems for Small Conventional Vegetable Farms and Organic Vegetable Farms, Bulletin HS1144, University of Florida Extension, Gainesville, FL. <http://edis.ifas.ufl.edu/pdf/HS/HS38800.pdf>

Tomasko, S. and G. Nice, 2013. Wisconsin Private & Commercial Pesticide Applicator: Chemigation, University of Wisconsin-Extension. Available at: <https://patstore.wisc.edu/secure/default.asp>

Van der Gulik, T.W., 1999. B.C. Trickle Irrigation Manual, B.C. Ministry of Agriculture and Food, Abbotsford, B.C. Canada. Available from Irrigation Industry Association of British Columbia [www.irrigationbc.com](http://www.irrigationbc.com)

Van der Gulik, T., 2015. Trickle Irrigation Scheduling Using Evapotranspiration Data, B.C. Ministry of Agriculture and Food, 2004. [https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/agriculture-and-seafood/agricultural-land-and-environment/water/500-series/577100-4\\_trickle\\_irrig\\_scheduling\\_using\\_evapotranspiration\\_data.pdf](https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/agriculture-and-seafood/agricultural-land-and-environment/water/500-series/577100-4_trickle_irrig_scheduling_using_evapotranspiration_data.pdf)

Wright, J., D. Wildung, T. Nennich, 2012. Water Management considerations and soil moisture monitoring tools for high tunnel production, pg 42 in Minnesota High Tunnel Production Manual for Commercial Growers <http://www.extension.umn.edu/garden/fruit-vegetable/docs/high-tunnel-manual-2012.pdf>

Resource list for website: Understanding Crop  
<http://fyi.uwex.edu/cropirrigation>  
University of Wisconsin-Madison  
Department of Biological Systems Engineering  
and University of Wisconsin-Extension



Irrigation  
**UW**  
**Extension**  
University of Wisconsin-Extension

# Reference Materials for Drip Irrigation

## Websites

Stryker, Jess, Irrigation Tutorials. [www.irrigationtutorials.com/drip-irrigation-design-guidelines-basics-of-measurements-parts-and-more/](http://www.irrigationtutorials.com/drip-irrigation-design-guidelines-basics-of-measurements-parts-and-more/)

Irrigation in the Pacific Northwest, irrigation calculator tools and tools for determining pipe sizes, irrigation timing, drip line rates, among many others. <http://irrigation.wsu.edu/Content/Select-Calculators.php>

Understanding Crop Irrigation, UW-Extension resource for all types of irrigation and irrigation management tools for Wisconsin. <https://fyi.uwex.edu/cropirrigation/>

Resource list for website: Understanding Crop  
<http://fyi.uwex.edu/cropirrigation>  
University of Wisconsin-Madison  
Department of Biological Systems Engineering  
and University of Wisconsin-Extension



Irrigation  
**UW**  
**Extension**  
University of Wisconsin-Extension