

Need Drip Irrigation Answers? Go to dripirrigation.org

Learn more about drip irrigation and see how actual growers are using it at dripirrigation.org. This new educational website includes a wealth of resources, including articles, illustrations, software and videos. You can also post your questions and register as a Local Expert to share your experience with others.



Toro Irrigation Solutions

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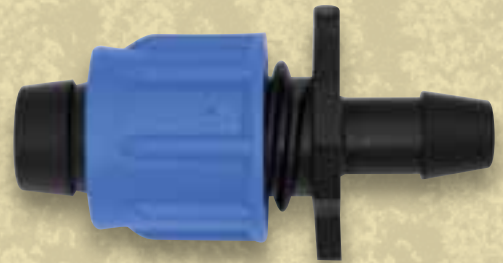
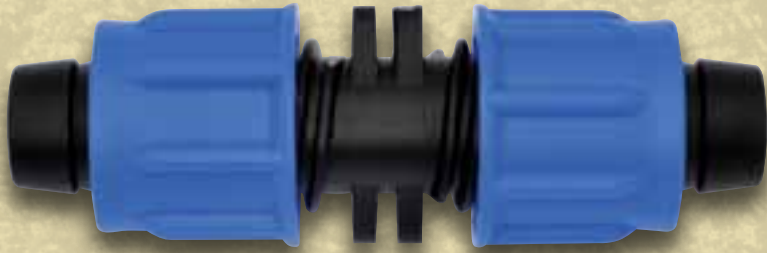
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more options FOR A
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WINTER 2010





Toro Introduces Pro-Loc™ Fittings

Toro Micro-Irrigation has just expanded its lineup to include a full range of tape, hose and dripline fittings. Toro now offers more of the products you need to complete your irrigation system. **continued** inside >>



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Many Configurations

Toro Pro-Loc drip tape fittings are available in a wide variety of configurations, including a full line of valve options. Pro-Loc fittings are also available for hose and dripline and are designed to last for the life of the irrigation system.

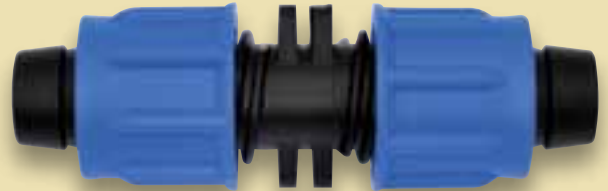
Quality Features

Pro-Loc Fittings

- Coarse thread ensures a tight seal, even in dirty conditions.
- Easy-to-grip nut provides a secure connection every time.

Pro-Loc Drip Tape Fittings

- Bright blue nut makes tape fittings easy to find, remove and reuse.
- Low-profile design doesn't interfere with retrieving the tape.



With Toro Pro-Loc fittings, you're assured of compatibility, along with reliable Toro quality. Ask your dealer about Pro-Loc fittings today.



Drip Technology Increases Yield for Idaho Farm

The benefits of drip irrigation are easy to see at Weilmunster Farms in Parma, Idaho. After adopting drip technology, the farm increased its hops yields by 400 pounds per acre, which translated into increased revenues of \$800 to \$1,600 per acre.

Using Fewer Resources

Beyond the increased production, Weilmunster Farms cut water use in half, reduced fertilizer use substantially, and had fewer weeds because the water was targeted to the root zone. They also eliminated sidedressing and corrugating for rill irrigation, and discovered they could irrigate prior to harvest without concern for a dry down period. They've even reduced theft by eliminating siphon tubes.

Why Drip?

Jon Weilmunster began looking at drip irrigation after friends in Washington asked, "How do you grow hops without drip?" Weilmunster uses Toro's BlueLine® premium dripline which contains a factory pre-installed 0.5 gallons per hour (gph) emitter every 24 inches. His 1,250-foot runs are planted with hops 42 inches apart on 14-foot centers.



▲ BlueLine PC Dripline

"BlueLine delivers excellent wetting patterns," Weilmunster observed. "Everything worked great the first time I turned the system on." According to Weilmunster, the support he received from Toro's local representative and the local Toro dealer were also critical to his success.



New Online Irrigation Calculator Estimates Application Rates and Run Times



Need a quick way to estimate application rates and run times? The new Aqua-Traxx Irrigation Calculator does all the work for you. Visit toromicroirrigation.com from your computer or smart phone and click on the link located at the bottom of the page, right under the Payback Wizard.

What It Does

This online tool quickly calculates application rates in inches per hour — along with the number of hours required to apply 0.1 inches and 1.0 inches of water — for all Aqua-Traxx and Aqua-Traxx PC models in specific field conditions. The flow rate at the selected pressure is also shown in both gph/emitter and gpm/100'.

How It Works

Choose the Aqua-Traxx model from the pull-down menu, and then enter the tape inlet pressure, the tape lateral spacing and the drip system emission uniformity to calculate your results.

For example, based on EAXxx0834 with an inlet pressure of 10 psi, a tape lateral spacing of 3.5 feet and an emission uniformity of 90%, the calculator estimates a system application rate of 0.9 inches per hour, as well as 1.1 hours to

apply 0.1 inches of water or 11.1 hours to apply 1.0 inches of water.

You can enter different data and recalculate the results as often as you like. As you change the input, results instantly change as well. (Note: The application opens with default values in the entry screens, which can easily be changed to reflect your information.)

Reap the Benefits

The new Irrigation Calculator instantly shows application rates for an Aqua-Traxx tape system under varying conditions with various SKUs. That's information you can use during the tape selection process. It's also a great management tool for scheduling irrigations and matching up run times with crop water use.

Try it and see how easy it is to use from the field with your smart phone, or test it out online at toromicroirrigation.com. Either way, you have a quick new way to estimate this valuable information.

Layflat Hose Now Available From Toro

Toro Micro-Irrigation has added layflat hose to its offering through a strategic partnership with Sun-Flow, the only major manufacturer of layflat products in the United States.

Layflat hose is commonly used for mainlines and sub-mains for irrigation lateral lines and for general water transfer. It is popular among growers because it is easy to install and remove, handles higher working pressures and offers excellent system portability. Sun-Flow's unique process uses the most yarn per square inch of the product, giving it the industry's best working pressure while minimizing elongation and twisting due to changes in temperature and pressure.

Toro stocks 1.5" to 8" layflat hose, with larger sizes and high-pressure products readily available upon request. Buying layflat hose directly from Toro will help dealers reduce freight costs by combining shipments with other Toro products such as Aqua-Traxx®, Blue Stripe Hose, Drip In® and BlueLine® Premium Dripline. Toro layflat hose can also be drop-shipped directly to a farm with other Toro irrigation products to save time and money.

