



Crop Solutions

Drip Irrigation on Corn

Growers everywhere are adopting drip irrigation systems.

Why?

Because drip irrigation:

- Optimizes Yields
- Minimizes Inputs
- Maximizes Profits



Drip Irrigation Works ... and Pays.

Toro drip irrigation systems feature Aqua-Traxx® drip tape to ensure reliable, efficient delivery of water and fertilizer to each plant. Aqua-Traxx is injected 12-20" below the surface, usually 60" apart on center, and is left in the ground to service future crops for many years to come. The Aqua-Traxx lines are serviced by a series of permanent pipes, valves, filters, control, injection and monitoring equipment to allow for irrigation and fertigation on demand, and periodic flushing to ensure system longevity. Water and fertilizer are slowly

delivered directly to the root zone at low pressure with virtually no runoff, deep percolation, evaporation, surface ponding or wind drift. The system is easily adaptable to hilly terrain or odd shaped parcels, and may be operated either manually or automatically to reduce irrigation labor costs. In addition, the system is compatible with reduced or no-tillage practices. Properly designed, installed, operated and maintained drip systems may last 20+ years, and in many cases the system pays for itself in less than two years!



Drip Irrigation delivers water and nutrients directly to plant roots without waste or hassle. You be the judge – could you benefit?

Increase Income

Increase yields and quality:

- Deliver water and nutrients directly to corn and/or rotation crop roots when needed.
- Double crop into wheat, soybeans or sorghum

Irrigate more acres:

- Low application rates allow irrigation of more acres with limited water supplies.
- Irrigate hilly terrain and/or odd shaped parcels
- Irrigate fields from corner to corner

Decrease Costs

Reduce water and/or fertilizer use:

- Apply water and fertilizer at 95-98% efficiency
- Eliminate wasting water or fertilizer from runoff, deep percolation, evaporation or wind drift.
- Avoid fertilizer tie up associated with surface applications

Reduce tractor use:

- Eliminate tractor driven fertilizer applications
- Reduce tillage operations

Reduce energy/fuel usage:

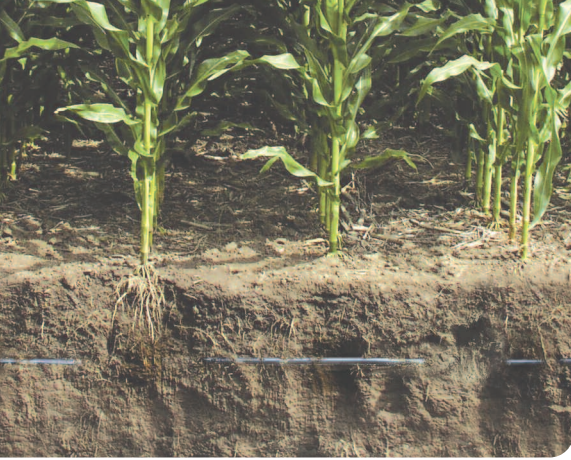
- Irrigate at low pressures, from 8-15 psi

Reduce labor:

- Automate irrigation with controllers and valves

Reduce capital expenses:

- Use the same system for dozens of years



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A Toro drip system is the best choice here's why:

The Products:

For decades, Blue Stripe hose and Aqua-Traxx drip tape have represented quality, durability and value to irrigators throughout the world:

- Growers have found that Aqua-Traxx drip tape provides superior performance due to its seamless construction, highly uniform, clog resistant emitters, and easy to install blue stripe marking.
- For long runs or undulating terrain, Toro developed the world's only pressure compensating drip tape, Aqua-Traxx PC. Together with wide diameters and heavy wall thickness, Aqua-Traxx PC is the best choice for producers seeking to minimize system cost and optimize longevity and durability.
- Toro's polyethylene Oval Hose is an excellent alternative to PVC pipe for irrigation and flushing submains.
- Toro valves and controllers make automation a snap, whether hydraulic, electric or battery operated.
- Best of all, the products are locally produced, supported and warrantied by an American company that has been trusted for nearly a century.



The Company:

Founded in 1914, Toro's roots are in tractors and implements which laid the foundation for Toro's leadership in landscape, golf equipment, and irrigation. In addition to the familiar "red iron", Toro's irrigation division provides drip, sprinklers, controllers, valves, filters and other accessories for landscape, golf and agricultural applications:

- Toro Micro-Irrigation pioneered drip irrigation in the 70s and has developed a number of key industry products since including Aqua-Traxx drip tape and control systems for drip irrigation.
- Manufacturing plants in the US, Europe and Australia readily service farmers on every continent.
- Toro's mission is to be the customers best choice for quality drip irrigation products with unsurpassed performance and service.

The People:

Toro's extensive worldwide dealer network, supported by local factory representatives, ensure customer satisfaction no matter how remote the location:

- Toro's Aqua-Flow, Water-Traxx and Cash-Traxx software packages help growers evaluate the economic benefits of a drip irrigation system, and then help dealers optimize the engineering design.
- Field personnel are supported by production, engineering and marketing staff on four continents who know the agricultural business and its special requirements.

Customers buy Toro drip irrigation systems with confidence that the best choice was made. Call your local Toro dealer today!



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ALT143 09/07



Count on it.