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Emerald Lawns, Inc.



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THE IRRIGATION ASSOCIATION

Lawn & Garden Tips—Drip Irrigation

Drip Irrigation: The Do's and Do Not's

Drip irrigation is the most efficient way to water any non-turf area, including flowerbeds, ground cover, street medians, vegetable gardens and hanging baskets-since the exact amount of water needed is delivered at or near plant root zones. Benefits include design flexibility, healthier plants and the elimination of water run-off.



Drip irrigation should always be used with well or city water supply. When using Lake or River water to run your Drip, measures must be taking to insure good and accurate operation. Filters must be installed before or after the control valve and maintained. On a Lake pump system you take the chance of not filtering sand and particles from the water. This could in turn plug up your filter and cause dryness of soil and leaving your plants and flowers thirsty and exhausted or worse.



Drip Irrigation products including filters, pressure regulator's, emitter's, and fittings.



Micro sprinklers spray water over a wide area when low volume overhead irrigation is desired.



Drippers incorporate three different characteristics: pressure compensating, vortex flow and turbulent flow.

Service Policy

Included with this newsletter is your 2006 Summer-Long Worry-Free Contract. If you have any questions please call, our intention is make you feel comfortable with our service and to assure you that nothing has changed since you began services with our company.

Emerald Lawns, Inc. shall be responsible for the timing of the service and determination of products necessary to complete the repairs. Specialists that have been trained, certified or licensed as Power Limited Technicians and Service Technicians will make all the repairs consistent with sound electrical and irrigation practices. Service requests will be scheduled at a mutually convenient date and time. Unless otherwise agreed you will need to meet our Service Technicians to allow them access to your irrigation system. Please remember, our crews have a number of service calls to make every day. A missed appointment causes us the loss of mileage and time. Thank you again for your trust in Emerald Lawns!

Special points of interest:

- Your Annual Service Agreement is included with this newsletter.
- Call and find out how you can conserve more water this year .
- Find out about Backflow on Page 4



The wireless RainSensor™ automatically shuts off water when it rains. Coupled with the water saving features offered on Toro controllers, the RainSensor takes total water management a step further

### Toro Wireless RainSensor™

The RainSensor™ installs easily with no special tools and features a Quick-Clip™ gutter bracket. The RainSensor™ Transmitter allows up to 2 transmitters to communicate with 1 receiver. Easy-access battery compartment and a low-profile design with UV-resistant housing. Rigid construction protects the internal parts and it includes power-interrupt and built-in failsafe modes to ensure long-term reliability.

The RainSensor™ receiver is multi-functional. The LCD provides visual sensor status and Smart Bypass™ allows for system override at any time. A low battery indicator with Rain Delay from 1 to 7 days. Selectable water conservation mode to delay automated resumption of scheduled programs. It's made for indoor or outdoor installations with a signal strength bar scale and numeric scale indicators.

Call today to upgrade your rain sensing device to the new Toro Wireless RainSensor™. Or take advantage of the special pricing found on your 2006 Summer-Long Worry-Free Contract!

### Standing in the Middle of a Referral

Continually, our customers ask us, "Can you recommend a...?" It seems that we are always standing in the middle of a referral. One of the nicest things we can say to our customers who have a problem is... "I know someone who could help you with that. And better still it is someone I would recommend!"

In an effort to provide our customers with a high standard of quality businesses who are dependable and reliable, we have joined our local Business Network International (BNI). This organization offers highly motivated business people a weekly meeting, where quality people deal with quality people. Included in this newsletter and listed below are a few offers from those businesses. Whenever you need a service we don't provide, feel free to call us at our offices and ask us, we would love to hear from you!

**Work On Your Game  
Not On Your Lawn.**

We offer:

- Non-Phosphorus Program
- Weed Control
- Aerations

218-829-3410  
218-568-4008  
320-632-4521  
218-547-4016

Call today for your FREE 14 Point lawn analysis.

**TRUGREEN • CHEMLAWN**

Advanced Quality Lawn Care



**When you go on vacation,  
burglars go to work**

*Security Is A Matter*

**MIDWEST  
SECURITY & FIRE INC.** \$499

1002 Wright Street, Brainerd, MN  
218-825-8544 1-800-525-1203  
www.midwestsecurityandfire.com



## The Soukup Family



*We hope your Holidays were as memorable as ours and filled with Family, Friends, Love and Laughter.*

**Front row from left:** Benjamin, Aspen, Frank IV, Tyler, Aydin.

**Second row from left:** Krista, Matthew, Julie, Rylie, Barb, Lisa, Gryphon.

**Top row from left:** Ron, Frank III, Frank Jr, Bryan.

## Proper Irrigation Scheduling with Intelli-Sense technology

Proper irrigation scheduling is a tricky skill that surprisingly few professionals have mastered. By far the largest loss of plant materials on new landscape projects is the direct result of improper irrigation scheduling. You may be surprised to learn that the most common irrigation scheduling problem is not too little water, or even too much water, it is **watering too frequently**. Many of the common turf grass and landscape shrub diseases are made worse by, or even may be the result of, watering too frequently.

Before getting into the details of irrigation scheduling, it should be mentioned that there is an easier way. Irrigation management systems consisting of a small computer hooked up to a rain sensor and several soil moisture sensors will do it all for you. The computer schedules the irrigation based on the amount of moisture currently present in the soil. This type of system will likely become the industry standard for new irrigation systems in coming years, as the technology is now available and becoming more cost effective.

Irrigation scheduling is simply a matter of close observation and dedication. Ideally, the irrigation control clock should be adjusted on at least a weekly basis to conform with current weather conditions, but even with monthly adjustments plants can be maintained healthy and happy. The other rule for irrigation scheduling is **when you do water, don't be stingy**. The soil should be completely saturated (the technical term is that the soil has reached **field capacity**) to a uniform depth of at least 6 inches.

With the introduction of the **Toro Intelli-Sense Controller**, we can now offer you an intelligent controller that automatically adjusts watering schedules to optimize irrigation. Intelli-Sense controllers incorporate advanced technology that accurately determines water requirements. WeatherTRAK™-enabled software creates a scientifically calculated zone-specific baseline irrigation schedule. This schedule is updated each day using weather data delivered via one-way paging from the ET Everywhere™ subscription service. The result: irrigation based on science—not guesswork—everyday.



**Toro Intelli-Sense**

Emerald Lawns has been installing quality Residential and Commercial irrigations systems for more than 22 years. We understand that the investment you have made in your home is one of the largest you will make in your lifetime. The technology advanced Intelli-Sense offer tremendous cost, conservation and convenience benefits to homeowners. Call us today to find out more.

[www.emeraldawns.com](http://www.emeraldawns.com)



**Febco 825-Y RPZ**



**Febco 765 Pressure Vacuum Breaker**

**Backflow prevention assemblies can be serviced by one of our State Certified Backflow Technicians. Call today to find out more info about this service mandated by MN State Law.**

- Licensed by Minnesota State Board of Electricity
- Certified Irrigation Contractor by The Irrigation Association
- Certified Cross Connection Control & Backflow Prevention by Department of Health
- Members of the Minnesota Nursery Landscape Association (MNLA)



**Maintenance Options:**

Here is a breakdown of the tasks typically performed when you request services from Emerald Lawns.

Repairs and replacements will be made only if necessary and billed out separately.

All Prepayments qualify for a 10% discount on all material purchases!

**Maintenance Options**

**Spring Start-up**

- Setting pump and intake screen (pump systems)
- Setting controller and operation
- Setting Rain Switch
- Installing new battery (if necessary)
- Turning on the sprinkler system
- Running and adjusting all sprinklers and zones
- Performing any repairs or replacements required\*

**Monthly Service**

- Checking controller operation
- Over-viewing yard for proper coverage
- Adjusting zone timing for seasonal conditions
- Running and checking all sprinkler and zones
- Cleaning intake screens for pump systems
- Performing any repairs or replacements required\*

**Fall Winterization**

- Shutting down system
- Removing pump and intake screen (pump systems)
- Shutting off controller
- Removing battery (if necessary)
- Blow out system

\* Repairs and replacements will be made only if necessary and billed out separately.

