Applicator's Log
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Because of these concerns, the recommendation for the first N application on warm season turfgrasses is usually 30 days after green-up. If you want to apply some fertilizers at this time, consider making applications of starter fertilizers — sources with high phosphorus (P) and potassium (K) levels, but comparatively low N levels.

Cool Season Grasses
While the curves for cool season turfgrass root and shoot growth are quite different, the philosophy in managing N fertility is exactly the same. The optimal time for making significant water soluble N applications is in the late summer/early fall when shoot growth is slowing and root growth is favored. The late summer/early fall fertilization program corresponds to the time when stored food reserves in the plant can also be maximized.

Note that root growth rates for cool season turfgrasses are quite significant in the spring, but the roots are again overshadowed by the shoots at this time of year. High levels of water soluble N in the spring can result in the same problem for root growth as previously discussed for bermudagrass, and usually the discrepancy between root and shoots is even more pronounced for the cool season turfgrass. High N application rates in the spring on cool season turf can result in a grass that will be under tremendous stress during the summer months. Minimize N levels in spring applications to cool season turf and concentrate on applying P and K, particularly if recommended by soil or tissue tests.

Foliar Burn
As warm, humid weather conditions approach, be aware of the increased foliar burn potential of water soluble fertilizers. Foliar burn is usually green, sometimes purple, and frequently has a burny smell. It can occur if the fertilizer solution is too strong, if the plant is stressed, or if the nutrients are not taken up by the plant.

Hot Weather Fertilization
The microemulsion concentrate:
- is less corrosive and abrasive;
- is compatible in tank mixes with Banner MAXX, Sentinel, Primo and other turf protection products.
- has little or no odor and a low potential for leaf-tip burn;
- is less than 150 Brix. The concentration of the microemulsion:
- is clear;
- mixes completely with water because it is a highly stable liquid;
- doesn't crystallize or freeze;
- doesn't separate or settle in solution;
- doesn't clog filters, screens or spray nozzles;
- provides turf managers with an effective disease control agent for both bermudagrass and bentgrass.

Dr. Michael Goatley is an associate professor and agronomist in the Department of Plant and Soil Sciences at Mississippi State University.

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**ROOKIES**

**Wireless Control**
SoloRain's 8010 and 8030 wireless battery powered programmable solenoids are waterproof, compact, quick to install and easy to program. The units are submersible in up to six feet of water. The latching solenoid design uses minimal electrical consumption, allowing the actuators to operate on a single nine-volt battery for one year.

The SmartZone EZ has been added to the controller line. In addition to being easy to program, it offers:
- a non-volatile memory, which stores the program without A/C power or batteries;
- three scheduling options — a seven-day calendar, one to 30 day interval, and odd/even scheduling;
- sensor connection with option to override;
- water budget option that reduces or increases watering five to 200%;
- three test cycles — manual with ManualAdvance feature, Cycle and 3 Minute Test;
- Select & Adjust programming that makes setting the controller easy.

L.R. Nelson Corp.
Circle Number 150 on Postage-Free Card

**Half-Rate Disease Control**
A formulation that provides turf disease control at half the recommended rate of the original Subdue fungicide is now available. Subdue MAXX will be available to turf management markets in 1997 on a limited basis. It and other formulations will completely replace the original Subdue products by the end of 1998.

Subdue MAXX features an active ingredient, mfenoxam, that is twice as active as metalaxyl, the active ingredient currently in Subdue. An isomer of metalaxyl, mfenoxam is a more biologically active chemical compound.

The microemulsion concentrate:
- is clear;
- mixes completely with water because it is a highly stable liquid;
- doesn't crystallize or freeze;
- doesn't separate or settle in solution;
- doesn't clog filters, screens or spray nozzles;
- is less corrosive and abrasive;
- has little or no odor and a low potential for leaf-tip burn;
- is compatible in tank mixes with Banner MAXX, Sentinel, Primo and other turf protection products.

**Novartis**
Circle Number 151 on Postage-Free Card

**One-Step Playing Surface**
The Diamond Demon, designed to get your sports field into shape with a minimum of time and effort, is available in two models — Big League Model, with a six-foot width; and the Prep Model, with a four-foot width. It plows, pulverizes, drags and rolls the

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field in one simple operation. The operator can use all four functions, or three, or two, or just the roller.

The Diamond Demon features steel construction, a welded frame and sealed bearings on the axle shaft for long machine life.

All models carry a one-year limited warranty on parts and workmanship. Plows, tires and abused machines are excluded.

The Diamond Demon
Circle Number 152 on Postage-Free Card

Improved Chipco

Chipco brand 26GT fungicide, an improved formulation of Chipco 26019 FLO, provides faster knockdown of brown patch and dollar spot. University trials show that it knocks them down up to 48 hours faster than the standard Chipco 26019 FLO. It also offers quicker turf recovery. In addition, Chipco 26GT controls a broad spectrum of turf diseases, including leaf spots, fusarium blight, gray and pink snow mold, and corticium red thread. It is a flowable formulation and is compatible with the same tank-mix partners as Chipco 26019 FLO.

ReJeX-iT AG & Co.
Circle Number 153 on Postage-Free Card

ReJeX-It Now

Since spring brings birds, now is the optimum time to apply ReJeX-iT products, which do not harm nuisance birds. By using food-grade elements developed with testing from the U.S. Department of Agriculture’s Animal Damage Control and Denver’s Wildlife Research Center units, the products have the ability to repel geese and other birds while being harmless to humans and other living creatures.

ReJeX-iT products are EPA approved, registered and are made from FDA GRAS (Generally Regarded As Safe) listed food-grade ingredients. They are biodegradable and meet the EPA’s criteria for “Reduced Risk.”

ReJeX-iT AG-36 repels geese and other birds from turf areas; TP-40 repels birds from bodies of water.

Martinson-Nicholls, Inc.
Circle Number 154 on Postage-Free Card