

# Dollar Spot

# Leaf Spots



## The Most Effective, Longest-Lasting Solution.

In university test after test, and on course after course, Vorlan® has proven to be the most effective Dollar Spot and Leaf Spots fungicide available.

It's the result of Vorlan's unique chemistry, making it both a curative and longer lasting preventative. One application insures

disease-free turf for up to 28 days!

Vorlan is also more economical. The cost-in-use is lower, because it lasts longer.

And Vorlan is easier to use. You can apply it at the same low rate for both Dollar Spot and Leaf Spots control. And it's available in both liquid flowable and wettable powder forms.

Contact your Grace-Sierra distributor today and order Vorlan. Or, call us toll-free at 1-800-492-8255.

Because nobody can help you through the tough spots like we can.

**GRACE SIERRA**  
Tournament Condition Every Day



# On a golf course the green should be only for putting.

When water quality isn't up to par, algae and sludge can quickly turn your golf course waterway into a greenish, foul-smelling eyesore.

What's more, when water is not managed properly in irrigation ponds, algae can actually travel through irrigation pipes and start growing on the course itself.

The TRITON Otterbine subsurface floating aerator gives nature a boost, simulating natural water cleanup processes to keep your waterways clear of foul odors, aquatic weeds, and algae.

The TRITON, designed to work in architectural and conservative

settings where no enhanced water features are desired, is virtually undetectable as it creates a

strong current to produce oxygen that cleans and purifies your water.

This high performance subsurface aerator is extremely efficient, compact and self-contained. It requires no external pump or other costly fixtures, and, like all Otterbine Aerators, is safety tested and approved by the Electrical Testing Laboratory.

Call or write, today, to find out how the TRITON can help you to keep the green out of the water and on the course where it belongs.



## Water works with Otterbine.

P.O. Box 217, Emmaus, Pennsylvania 18049 • (215) 965-6018



**AN  
ADVERTISING  
CLAIM THAT'S  
CONTRARY TO  
EVERYTHING  
YOU'VE EVER  
HEARD:**



**WE HOPE YOU'LL USE LESS OF OUR**



**PRODUCT THAN SOMEBODY ELSE'S.**



Pests, or pesticide. It's a difficult equation to balance. As a manufacturer, our objective is to develop products which meet two qualitative requirements: Maximum results. And minimum environmental impact.

The result is you simply don't need to use as much chemical. Compared to most products on the market, our effective rates are lower, and the number of applications less frequent.

To reduce the likelihood of misapplication, we're especially dedicated to technical support, training, and continued education.

We've introduced water-soluble packets which reduce employee handling and exposure.

This unique packaging also eliminates the problem of disposal and contaminated containers. We looked at storage and the risks of spills and leakage. We've added smaller containers to reduce stockpiles.

But it doesn't end there. Where cultural controls are warranted, we stress their importance and advocate their use. In research and development, we're exploring the use of biological agents. In some cases, replacing pesticides altogether.

At Ciba-Geigy, we'll continue to do what is needed to protect the environment. It's our concern as a company. And our responsibility as inhabitants.







CIBA-GEIGY™

*Turf and Ornamental Products,  
Box 18300,  
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Always read and  
follow label directions.  
Triumph is a  
restricted use pesticide.  
Pace, Triumph,  
Banner, Pennant and Subdue  
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 k. Assistant Superintendent  e. General Manager  i. Research Professional  
 b. Green Chairman  f. Owner/CEO  j. Others allied to field  
 c. Director of Golf/Head Pro  g. Builder/Developer

**2. My primary business is:**

1. Public Golf Course  
 2. Private Golf Course  
 3. Municipal/County/State Course  
 4. Hotel/Resort Course  
 5. Golf Course Architect  
 6. Golf Course Developer  
 7. Golf Course Builder  
 8. Other, please specify \_\_\_\_\_

**3. Number of holes:**

- a. 9 holes  d. 36 holes  
 b. 18 holes  e. Other, please specify \_\_\_\_\_  
 c. 27 holes

**4. My total annual maintenance budget is:**

1. Under \$50,000  5. \$500,000-\$749,999  
 2. \$51,000-\$99,999  6. \$750,000-\$1,000,000  
 3. \$100,000-\$249,999  7. Over \$1,000,000  
 4. \$250,000-\$499,999

**5. My 1990 capital expenditure is:**

- a. Under \$100,000  
 b. \$100,000 - \$249,999  
 c. \$250,000 - \$499,999  
 d. Over \$500,000

**6. My purchasing involvement is:**

1. Recommend equipment for purchase  
 2. Specify equipment for purchase  
 3. Approve equipment for purchase

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# On a golf course a bad score should be the only thing that stinks.

Foul odors, algae and sludge in golf course ponds are enough to ruin anyone's game. The results of poor water management can be unsightly, smelly and costly.

Now Otterbine has developed CONCEPT<sub>2</sub>, the new high-technology surface aerators that can revolutionize your approach to water quality management.

CONCEPT<sub>2</sub> High Volume aerators are built to last, made of stainless steel and tough, versatile thermoplastics, with a rugged, custom built motor and a virtually unbreakable stainless steel prop designed to handle large volumes of water.

And CONCEPT<sub>2</sub> offers almost unlimited versatility, with easily installed, totally interchangeable spray patterns.

SUNBURST<sub>2</sub> in Otterbine's CONCEPT<sub>2</sub> line answers the challenge of producing a sparkling water display with minimal effect on pumping rates.

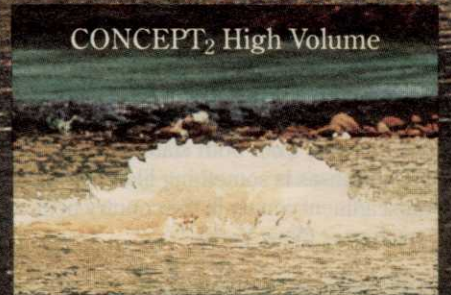
CONCEPT<sub>2</sub> and SUNBURST<sub>2</sub>, fulfill the Otterbine tradition of scientifically designed, highly efficient, compact, self-contained aeration systems. They are simple to install and economical to operate.

They need no foundation, external pumps, or other costly plumbing fixtures. All Otterbine Aerators are safety tested and approved by the Electrical Testing Laboratory.

Call or write, today, to find out how CONCEPT<sub>2</sub> can help you keep your water quality up to par.

SUNBURST<sub>2</sub>

CONCEPT<sub>2</sub> High Volume



## Water works with Otterbine.

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Name: \_\_\_\_\_  
 Facility/Company: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_  
 Telephone: \_\_\_\_\_ Date: \_\_\_\_\_

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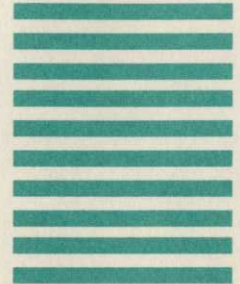
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commercial and individual vehicles as well. You can call, toll free, 1-800-241-5855 for more information.

60 of the top 100 golf courses, as defined by Golf Digest, did. Maybe that helped them become 60 of the top 100 golf courses.

## EZGO

**THE NAME OF THE GAME**

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# NO OTHER PLAYER APPROACHES THE GREEN WITH AS MUCH SKILL OR EXPERIENCE.

**And nobody matches Jacobsen greens mowers for precision cut, balance or durability.**

Over 65 years of powered greens care experience and innovation make Jacobsen walk-behind greens mowers the industry's standard. And they keep getting better.

The new front roller and no-rust aluminum drive roller are precisely machined to ensure mowing accuracy. With the recognized superiority of the Jacobsen designed reel and bedknife combination, this system delivers the smoothest, truest cut, down to  $\frac{3}{32}$ ".

And only Jacobsen uses a 2-cycle engine for longer life, less maintenance and reduced vibration. This smoother running engine is positioned for side-to-side, fore-and-aft balance, for the most precise cut possible.

Choose the 22" unit for the finest tournament-quality cut. Or select the 19" Championship greens mower for an

unmatched cut on highly undulating greens.

**Attach the exclusive Turf Groomer™ for faster, truer, healthier greens.**

Team either Jacobsen greens mower with the Turf Groomer greens conditioner for the finest greens grooming system available.

Proven on tournament-play courses across the country, this system increases putting speeds up to 20% without lowering your height of cut. And it cuts those horizontal grasses and surface runners other mowers miss, to reduce grain. For healthier, better looking greens. Greater uniformity from green to green. And truer putting.

Ask your Jacobsen distributor for a free demonstration. Attractive lease and finance plans available. Or contact: Jacobsen Division of Textron Inc., Racine, WI 53403.



19" Championship model

## JACOBSEN TEXTRON

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