

can aid herbicide diffusion because the droplet dries at a slower rate. Plants under water stress close their stomata and thus diffusion through the stomata is slowed. Of course, rainfall immediately herbicide treatment will wash the material off the leaf surface and reduce plant uptake.

Once the herbicide is absorbed, then it must move to the site of action within the plant. The translocation of herbicide molecules depends on the movement of food through the plant since the herbicide is carried in the phloem or food conducting cells. Food production, or photosynthesis, occurs in the presence of adequate light and moisture. Thus, herbicide translocation will be slowed if the plant is shaded or under high water stress. Also, if the leaves of the plant have been severely damaged, then photosynthesis will not occur and herbicide translocation will suffer. It is important to apply the proper rate of herbicide so that the leaves are not "burned off."

Finally, the herbicide reaches the site in the plant where it disrupts metabolism and causes the death of the plant. Plant metabolism is highest when the plant is actively growing and thus, herbicide activity will be highest during this period also. Young, actively growing weeds will be easier to control since they have a high level of metabolism and, because they are small, will require less herbicide to be killed. Once some weeds reach a certain level of maturity, metabolism and growth has slowed so that they are difficult to kill.

In summary, the best weed control will occur when the weeds are actively growing since absorption, translocation, and activity of the herbicide will be greatest. It is necessary for each turfgrass manager to make field observations as to when the weeds are actively growing in his area. Absorption of the herbicide can be increased by using an ester formulation, however, because esters are more volatile than amines, the danger to ornamentals is also increased. Proper rates of application and technique are critical to successful weed control.

### Illinois Lawn Wins Award

Illinois Lawn Equipment, Inc. broke a company record by receiving six awards at the recent GCSAA Show held in San Francisco, California.

Illinois Lawn was named one of five annual Distributors of the Year by Jacobsen Division of Textron. Any distributor receiving six of these awards becomes eligible for the Jacobsen Golden Reel Club. Having previously won five times between 1963 and 1985, Illinois Lawn was therefore inducted into the Jacobsen Golden Reel Club. Only eleven Jacobsen distributors in the world are members of this club. Illinois Lawn was also a recipient of the Jacobsen Turf Distinguished Service awards. Salesman **Wayne Trometer** was awarded one of the Salesman of the Year awards and was presented with a special watch as well as a gift certificate.

In addition, Illinois Lawn Equipment received Cushman Turf Quota Buster and Ryan Quota Buster awards.

OLD



DUTCH

SAND COMPANY, INC.

APPROVED TOP DRESSING SAND  
GOLF COURSE AGGREGATES  
TRAP SAND

Call for direct quotes on all your  
Aggregate needs

Richard E. Mika

(312) 374-2303  
(312) 938-7020

**KILLIAN**  
DESIGN GROUP INCORPORATED

GOLF COURSE ARCHITECTS  
639 First Bank Drive, Palatine, Illinois 60067 (312) 358-8884

**RANSOMES**

Motor 180



Excellent for fairway, tees  
Catchers available

ASK FOR A DEMONSTRATION NOW!

OLSEN DISTRIBUTING COMPANY  
969 N. Pepper Road  
Barrington, Illinois 60010  
1-312-381-9333

(Unions cont'd. from page 16)

all sick days beyond the 30. All full time employees are covered by an insurance policy that will pay the beneficiary two years wage in case of death of an employee. Hospitalization, including dental care, that covers 80 percent of all dental work is also part of the package. There is also mandatory participation in the Illinois Municipal Retirement Act which does require a contribution by the employee but provides a pension that along with Social Security is just about equal to full salary after 20 years. A minimum of eight years is required to be vested in this plan.

The union that is most active in the area of government is the Association of Federal, State, Municipal, and County Employees, AFSME, and it's presently engaged in attempting to organize several employee groups in the Chicago suburban area and will no doubt be successful in their efforts to organize some municipal employees and then spread to the park districts in that city.

Whether you are against or for unions is for each individual to decide, but I am sure that the time is not too far away when there will be some golf courses in the public sector that have been organized. It may or may not spread to courses in the private sector, but it's time to give some thought to the changes it will not doubt bring.

The source of most of this information is the textbook, "Supervision," by Stan Kossan, and published by Harper & Row.

# NOW-MOW AND "FINISH" TRIM AT THE SAME TIME



## WITH THE GRASSHOPPER

See your local Grasshopper dealer.



**Martin Implement Sales, Inc.**  
16400 South 104th Avenue  
Orland Park, IL 60462  
312-349-8430



## NEW TURF TREATMENTS

- 19-4-8 WITH RONSTAR®
- 20-4-4 WITH DIAZINON®
- 19-5-5 WITH OFTANOL®
- 20-5-8 WITH DURSBAN®
- 26-4-4 WITH BALAN®

Over 95 fertilizer formulations that will tackle almost any job you have.

Call your distributor today for a preview of the most comprehensive program available.



**Agri-Chemicals**  
Division of United States Steel  
P. O. Box 1685, Atlanta, GA 30301

# Earth Movers.



**Corty**

**30% DISC.**

CORTY high-pressure cleaning machines can really move dirt off your vehicles and equipment in a hurry. Pressures from 700 to 3000 psi. Capacities to 10 gpm.

Unique steel pipe coil design provides high fuel efficiency. Stainless steel float tank, oil bath pumps and quick disconnect hoses, standard. Pneumatic tires, ball bearing wheels, heavy-duty construction, brand-name components throughout.

Standard and upright models are offered. Also, some machines offer combination steam/hot, high-pressure cleaning.

For more information, fill out and mail coupon.

We promise, our machines will be high-pressure, but our selling tactics won't be.

Please send me more information on your "earth moving" high-pressure cleaners.

NAME \_\_\_\_\_  
 COMPANY \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 TELEPHONE \_\_\_\_\_

MAIL TO:

R. L. CORTY & Co.  
 3704 NO. CICERO CHICAGO, IL 60641  
 OFFICE (312) 736-3510

(DuPont cont'd. from page 18)

"TUPERSAN"<sup>®</sup> herbicide. Our old friend Bob Miller was "Mr. DuPont" at that time and wrote many of the first truly modern fungicide programs himself — including the "TERSAN"<sup>®</sup> 1-2-3- program. Many active and retired superintendents in the Chicago area were instrumental in helping to do the research needed to introduce these products along with "TERSAN"<sup>®</sup> 1991. "TERSAN"<sup>®</sup> 1991 was introduced as the first systemic fungicide for golf course use. It was, and is, an important product to DuPont.

In the years that have passed some of the products have gone off the market, or been sold, and we have lost our friend Bob Miller. "TERSAN"<sup>®</sup> 1991 is still a major golf course fungicide nationally and we are busy developing new products for the turf and ornamental markets. We are currently looking at non-phenoxy broadleaf herbicides, grass killers for ornamental beds, and new fungicides.

We have been proud to be a part of the golf turf industry for over 30 years, and look forward to a bright future with you.

### Wants to Buy

I am looking for a used Meter Matic Topdressing Machine. Please call Basil Sabbak at (312) 297-4686.

## BROOKSIDE SOIL TESTING and IRRIGATION WATER ANALYSIS

includes a complete report, and recommendations for producing quality turf on golf courses.

### ADVANTAGES:

- Improves the environment of the grasses and eliminates turf diseases
- Decreases expenses for pesticides
- Reduces thatch and eliminates fairway renovation
- Decreases expenses for costly fertilizers
- Healthy turf attracts more golfers and increases income

### Contact:

Golf course specialists for over 20 years

**V. J. Zolman and Son**  
 2618 Harvey Avenue  
 Berwyn, Illinois 60402

Phone: (312) - 788-4565  
 (312) - 461-3679