

Percent water penetration in inches of untreated versus treated soil.

Improved infiltration and percolation means better drainage and aeration—without rebuilding! The better drainage and aeration obtained in a wetting agent treated soil improves rooting—improved water movement reduces disease potential—and the overall efficiency of water and nutrient utilization is increased. This healthier turf, is also more efficient in using water as shown by Kauffman's data from Michigan State which indicated a significantly lower water-use-rate for Merion Kentucky bluegrass growing in a wetting agent treated soil—an 11 to 14% reduction.

Harry Muesel's work at Yale University with Aqua-GRO, showed that the turf grown with the wetting agent had a more compact cellular structure, a heavier cutin layer, and increased cell wall thickness—a definite change in the physiological structure of the turfgrass blades and roots. These changes contribute to improved resistance to disease, winter injury, traffic and wilting—a lower water use rate with a water "Made Better." These are real changes that have resulted from the better availability of rootzone moisture and the lower energy of that water.

Stress areas that develop as localized dry spots requiring extra labor and waterings can now be eliminated. Beard and Rieke's data from Michigan State clearly shows that wetting agents are the most effective correction in eliminating the damage from these localized spots; more effective than aerifying or slicing alone. The best overall results can be obtained with combined coring and wetting agents use. Water will quickly and uniformly move through a treated thatch and water repellent soil layer thus eliminating the necessity for extra hand-watering and labor.

I would like to emphasize a point made by Beard and Rieke—"All wetting agents are not alike." In fact, 80% of the commercially sold materials that they tested did not work better than plain water! You must use a scientifically blended material to be assured of performance in all type soils. It must work for you in your soil to be of value. A proper blend will feature controlled biodegrading to safeguard the environment and, at the same time, be effective over a period of months. Some materials are lost after only two or three waterings. Your use of wetting agents should be on a repeating basis in order to compensate for this controlled biodegradation.

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WEEDS TREES & TURF

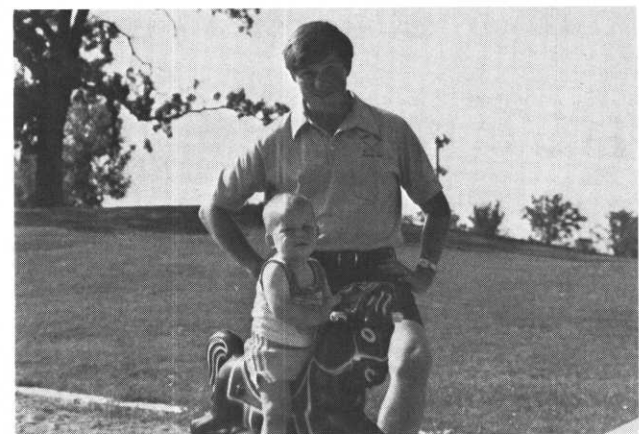
MORE PICNIC



FUTURE SUPE. He's at the wheel and maybe backing up but Doug Mahal's son shows a definite liking for vehicles.



CHOW HOUNDS. There's something about the taste of food outdoors that brings out the wild appetite in everyone.



COWBOY. Ron Steffenhagen's son looks as if he might go west when he grows up.

THE GREENSAVER[®] AERATOR

If you now aerate fine turf with a walk-type aerator, the Greensaver should be one of the first accessories you add to your Turf-Truckster system—it gets the job done up to 10 times faster.

With the optional live hydraulics, the Greensaver can aerate greens and other delicate turf areas. The Greensaver's steel tines penetrate as deep as 2½" for professional results.

And since your aeration needs change with the seasons, Cushman offers three interchangeable aerating drums; a ½" coring drum to remove the most soil during fast-growth periods; a ¾" coring drum for slower growing seasons; and a slicing drum that lets turf "breathe" during summer hot spells.

You'll never have to spend time cleaning up cores with the Greensaver, because both coring drums collect the soil inside. When the drums are full, just dump the soil in a convenient spot. And if you'd rather windrow the cores to the turf for top dressing, simply remove the side panels.

What's more, the new Turf-Trucksters can be equipped with an optional live hydraulic system that lets you raise and lower the Greensaver right from the driver's seat, without having to stop the vehicle.

So the aeration gets done quickly, professionally, and thoroughly.

GREENSAVER SPECIFICATIONS:

(Subject to change without notice.)

SLICING TINE DRUM:

PATTERN WIDTH: 22¾".

PATTERN: 3¼" x 4".

DRUM: Heavy 12-gauge steel drum.

TINES: 112 tines per unit. Special heat-treated formed steel. 2½" deep. 2¾" base.

FRAME: Heavy steel welded construction. Method of attachment: 3 pull pins.

¾" TINE DRUM:

CORE SIZE: ¾" x 7/8".

PATTERN WIDTH: 22¾".

PATTERN: 3¼" x 4".

DRUM: Heavy 12-gauge steel drum. Trap door for core removal.

TINES: 112 tines per unit. Special heat-treated formed steel.

½" TINE DRUM:

CORE SIZE: ½" x ¾".

PATTERN WIDTH: 22¾".

PATTERN: 3¼" x 4".

DRUM: Heavy 12-gauge steel drum. Trap door for core removal.

TINES: 112 tines per unit. Special heat-treated formed steel.



The Greensaver delivers a precise 3½" x 4" pattern of aeration.



With the optional live hydraulics system, you can raise or lower the Greensaver as you work.

SALES • SERVICE • PARTS

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MGCSA GOLF TOURNAMENT



Majestic Oaks Country Club
SEPTEMBER 20, 1982

First call for the M.G.C.S.A. Fall Spectacular at demanding Majestic Oaks Golf Club!! This year there will be a double shotgun format. Starting times are 7:45 a.m. and 1:15 p.m. with a limit of 132 in each group. The cost is \$25.00 per person (the same as last year) which includes golf, dinner and prizes. The choice of morning or afternoon is on a first come basis. Payment must accompany reservations. Single reservations will be paired to make foursomes. Cancellations made prior to September 10, 1982 will receive a full refund. Cancellations after that date will not receive a refund. No reservations except for dinner only will be accepted after the 10th. Cocktails are at 6:30 p.m. with dinner at 7:30 p.m. Lunch will be available on a cash basis.

M.G.C.S.A. TOURNAMENT ENTRY FORM

PLEASE RESERVE FOR _____ FOR THE FOLLOWING FOURSOME:
 (NAME OF SPONSORING SUPT.)

I WISH TO PLAY IN: 7:45 a.m. Shotgun _____ 1) _____ \$25.00
 1:15 p.m. Shotgun _____ 2) _____ \$25.00
 3) _____ \$25.00

TWO CARTS PER FOURSOME.
 PLEASE RESERVE _____ CART AT \$10.00 4) _____ \$25.00
 PLEASE RESERVE _____ EXTRA DINNERS AT \$20.00 EACH.

PLEASE INDICATE NUMBER HAVING LUNCH: _____. MAKE CHECK PAYABLE TO M.G.C.S.A.
 SEND TO DON LINDBLAD, MAJESTIC OAKS GOLF CLUB, 701 BUNKER LAKE BLVD., HAM LAKE, MN 55303

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TREX-SAN™ IS 1.6 TIMES

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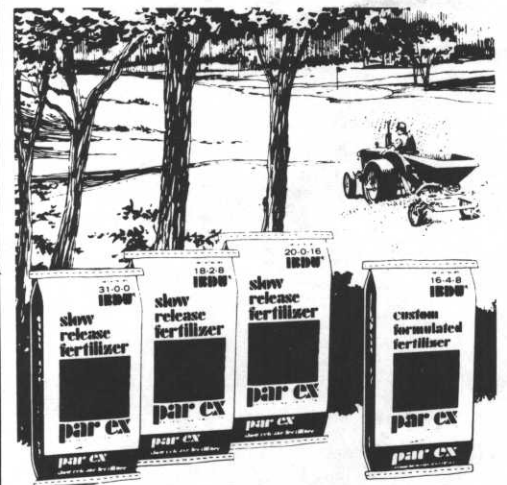
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PREVENTION AND CONTROL OF DISEASES OF TURFGRASS



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