Fertilize, seed, lime or top dress with Lawn Beauty Power Spreader

Now Self-Propelled To Save Pushing and Panting

- Top dress and brush simultaneously
- Top dress 18 greens in one day
- Save over 100 hours everytime you top dress

Don't sweat out 18 greens. Spread easy and relaxed behind this engine-driven Lawn Beauty. It moves 200 lbs. of chemical or organic fertilizer, grass seed, lime or insecticide without strain. By using its hand clutch and gear shift, you put this new Lawn Beauty into forward, neutral or reverse. A throttle control and rate control dial provide for choice of speed and accuracy of spread. Brush and hopper extension are standard equipment. NOW, save time, money and back-breaking labor behind a Lawn Beauty Power Spreader.

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January, 1959
Lewis Flagpoles always remain straight, won't rust, rot, kink, and are unaffected by weather. These featherlight poles are permanently molded in white and striped with an indestructible red epoxy plastic.

"REGULATION" BALL WASHER and TEE ENSEMBLE

NOW, With Long-Wearing Nylon Brushes

Pro and duffer alike appreciate the really clean balls washed with the Lewis Washer. Tamper-proof, weather resistant, durable, and low cost.

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27 MODELS AND SIZES TO CHOOSE FROM—ONE, TWO AND THREE BLADES—MOUNTED AND PULL TYPE.

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it is more than a good will gift to the champions and has accounted for a great deal of valuable vocal advertising ... After PGA annual meeting Tom Crane, PGA executive sec., took first vacation in three years.

Dunes Golf & Beach Club, Myrtle Beach, S. C., where the 1960 Southern Amateur will be played (and fumigate the course of some of the golf played during the Golf Writers' annual tournament Monday before the Masters) got big returns from new fairway watering system and new planting of greens ...

Green fees in 1958 amounted to about $45,000.

Buell Patterson, noted public relations expert, died of a heart attack in Miami the night of return from Havana where he was in charge of publicity for the Havana International tournament at Villa Real GC ... Cuban government's Sports Commission which, with hotels, Nacional, Riviera, Capri and Hilton, sponsored the tournament, is client of Communications Counselors, Inc., with which Patterson was associated ... Patterson had promoted golf as South American air tourist attraction.
AQUA-GRO REPORT for 1958

Facts and Conclusions

Fundamentals:
The use of the non-ionic wetting agent Aqua-Gro is a new concept in water management and not just another additive to present turf practices. The turf field is still dominantly limited both in practice and theory by the use of the age-old ingredient — “plain water.” To those superintendents who are using Aqua-Gro, we wish to stress that the change from “plain water” to “wetter water” is so fundamental that all prior beliefs and practices must be re-evaluated.

1) USDA* tests show lower soil moisture tension profoundly increases water and nutrient uptake.
2) By substantially lowering soil moisture tension Aqua-Gro greatly increases the availability of both water and nutrients.
3) Aqua-Gro by lowering the surface tension of water gives quick, uniform distribution of water and deep penetration resulting in substantial savings of time and money.

Burning:
For the very first time all of your greens got a proper drink of water when Aqua-Gro was used. We come to this conclusion after a thorough investigation of the few isolated cases of discoloration or burning reported after the use of Aqua-Gro. Normally, your application rates of fungicides, herbicides, and fertilizers don’t vary over the turf surface, but the leaching out of the soil and the utilization of these products in the soil is dependent upon that old standby “plain water.” Without exception the following facts became apparent:
1) Damage resulted in areas with a history of difficult watering; areas of weaker turf.
2) These areas had a high accumulation of chemicals, particularly nitrogen. Plain water was not doing a job. Water distribution in the soil was neither uniform nor deep, and the nutrients were “building up” and were not being made available to the grass.
3) After using Aqua-Gro these areas had for the first time uniformly distributed water. Thus, lower soil moisture tension coupled with the high chemical content produced a “burn” or discoloration. Therefore we recommend the use of Aqua-Gro. Your soil will be kept in a healthier, cleansed condition, and a more consistent utilization of soil chemicals will result.

4) No burning has ever been reported from the use of Aqua-Gro directly. We recently investigated a classic example of a “burn” reported from a California course. New sod and plugs were placed in a difficult-to-water green. Afterward Aqua-Gro was applied. “Burn” was observed in the old turf, high in accumulated chemicals, but not in the new sod and plugs which grew vigorously, having no chemical accumulation.

Watering:
Many superintendents continue to water by the same schedules used before treatment with Aqua-Gro. To take full advantage of Aqua-Gro and prevent overly soft greens, it is necessary to adjust your watering program to handle “wetter water.” Since Aqua-Gro permits a much faster penetration and wetting of the soil it is necessary to reduce the time of watering required to give the desired depth of wetting. Secondly, since Aqua-Gro gives a uniform distribution of freer moving moisture in the soil, experience has shown that less frequent waterings are necessary. Accurately kept records on golf courses show (1) One half the normal watering is ample (12 minutes instead of 25, 15 instead of 35, and 20 instead of 45). (2) Your savings in water and labor will be substantial. (3) The turf will be in better condition than ever before.

Recommendations:
Start every season by treating with Aqua-Gro. Prepare your soil with “wetter water” to give the ultimate in control and utilization of water and soil chemicals. Couple this with a well-rounded fertilizer program, designed to meet the needs of your soil and grasses. Place confidence in the continued use of Aqua-Gro to give you a more consistent utilization of soil nutrients and eliminate the harmful accumulation of chemicals in the soil. We caution against the use of large amounts of fertilizers and other chemicals when using Aqua-Gro. All these nutrients are fed to the plants through water. “Wetter water” in Aqua-Gro treated soil increases the effectiveness of your fertilizer and spray programs, and therefore lesser quantities may be used. Deep, uniform distribution of freely available moisture will make possible an infrequent watering schedule. This sound watering and maintenance program has built better turf and resolved many past problems of superintendents.

Robert A. Moore, V. P.
Aquatrols Corporation of America
730 Lancaster Avenue
Bryn Mawr, Pa.

*“Agriculture Research”, May, 1958.

January, 1959
6 1/2 in. GRASS ROOTS WITH Terra-Lite®

"In spite of a rainy spring, Terra-Lite established roots (on a new green) that are 3 in. longer than on other greens where no Terra-Lite was used,"... says Supt. W. E. Updegraff, Oak Park, C.C., Oak, Park, Ill.

In every climate, experienced "Supers" agree that Terra-Lite loosens clay soil, firms-up sandy soil, conditions and aerifies any soil for deep, dense rootage. The porous grains of Terra-Lite vermiculite "blot-up" runoff and store water and nutrients at the roots. Your grass is thick and turf is springy all season long — no starved, bald or drowned spots. Read what other Superintendents say:

"Quicker seed germination, easier workability, with Terra-Lite"... Supt. Sam Salyers, Indian Run G.C., Columbus, Ohio.

"My No. 9 was dry and compacted until I used Terra-Lite"... Supt. W. J. Laughlin, Clearcrest G.C., Evansville, Ind.

"Soil structure greatly improved, turf is healthier with Terra-Lite"... Supt. Phil Pine, Huntington Crescent Club, Inc., Huntington, L.I., N.Y.

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Villa Real is 7009 yds., par 70, with 11 holes longer than 400 yds., 9 of them par 4s. . . . The 18th is 638 yds. . . . Tee elevations, contours, prevailing wind and excellent condition of course under management of veteran Joe Nichols, who was construction supt. for architect Dick Wilson, make the course play pleasantly for average golfer when tee markers are forward . . . With markers back the unexpected happened, Bayer beat Snead in a play-off . . . Bayer was on the long 18th in 2 shots in 3 of the 4 rounds . . . Villa Real is feature of a de luxe real estate development owned by Alvaro Gonzalez y Gordon, a Spaniard, and his wife, daughter of owner of extensive acreage in East Havana . . . Small, attractive building eventually to be used entirely as pro shop now is serving as clubhouse . . . Building of $1,500,000 clubhouse on hill overlooking Caribbean held up when it was decided that huge staff would be required to run the place properly . . . In Cuba employees must be kept on payroll 12 months a year and the club didn't want to go for this deal while it's practically shut down in summer . . . Waiters' union owns Habana-Hilton hotel building and it's a good guess that Sr. Gonzales y Gor

Le Roy Cast Drum ROLLERS

Model 96CA shown above


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the proven herbicide-fungicide for sure control of Crabgrass, Copper Spot, Dollar Spot, Brown Patch, Snow Mold, Helminthosporium-Curvularia.

METHAR (DSMA)
Disodium Methylononate. For control of Dallis Grass and Crabgrass. Highest concentration; liquid or powder.

SUPER METHAR

CADDY
Liquid Cadmium Fungicide. Safe, modern, economical control of Turf Diseases.

C-531
Cadmium zinc copper calcium chromate fungicide for the control of Dollar Spot, Copper Spot, Brown Patch. Applied as spray or dry-mixed with sand or top dressing.

PM24-D
A liquid combination of Phenyl Mercury and 2,4-D for the control of Silver Crabgrass (Goosegrass), Crabgrass, Dandelion, narrow and broad leaf Plantain, Knotwood, Chickweed, etc.

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Fastest most accurate lawn mower sharpener ever used. Sharpens all mowers, hand, power, greens mowers or fairway units. Bed knives may be sharpened without removing from mower. Full floating rails may be turned as desired, retain perfect alignment. Grinding head feeds in or out and will hollow or flat grind.

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Engineered for grinding power mower, greensmower or fairway mower bed knives as well as most other straight edge tools. Clamps adjust to hold any length blade. Blades rest against solid base when clamping, eliminating all distortion. 100% steel, precision ground rails, 1/2 HP Motor.

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Dept. 25, 160 N. Fair Oaks, PASADENA, CALIF.

Ted Weisser  Frank Nause  Robert Dunn
Weldon S. Garrison  Sam Spencer
Garrison, general mgr. of Shawnee Inn, Stroudsburg, Pa., is 1959 pres. of the Pocono Turfgrass Assn., succeeding Spencer of the Lehman GC, Dallas, Pa. Reelected were Weisser, CC of Scranton (treas.); Nause, Valley View CC, Hazleton (vp); and Dunn, Irem Temple CC, Dallas (secy.).

don doesn’t want it owning the Villa Real clubhouse.

Wm. B. MacDonald, Bal Harbour, Fla., golf enthusiast, was chmn. of the $45,000 tournament and got a gang of celebrities over for the pro-am . . . PGA tournament management ran MacDonald out as agent for big Los Angeles and Miami opens but somehow managed to keep Bill interested in the Havana party.

Havana hotel gambling casinos scenes of rescue of a few boys who were running out of folding paper required for making the tour, eating, etc. . . . Pool’s 10 per cent was split between “expenses” and Havana’s Boys’ Town which cares for 200 kids between 1 and 6.

Warren Cantrell, Lubbock, Tex., national PGA treas., is a busy golf architect . . . Cantrell designed Webb Air Force base, Big Springs, Tex., course, new greens for Albuquerque (N. M.) CC, has completed plans for Arlington (Tex.) 18, 9 hole addition to the 9 he designed for Robstown (Tex.) CC and for a 9-hole private course for Farmington (N. M.) CC . . . The Farmington course will have the backing of the El Paso Natural Gas Co. which has 6000 employees in that area . . . It is intended to be one of world’s finest 9-hole layouts.

High tribute paid to the Sargents by Bob Jones at the PGA banquet . . . Bob said: “At East Lake they give me credit for winning a lot of things but not for the best thing I ever did for the club — hiring George and Harold Sargent.” . . . Jones got a laugh when he acknowledged, at the
MAKE AN ON-THE-JOB COMPARISON TODAY!

Only Worthington dares to compare the outstanding features of the Model "G" and Fairway gangs with any other mowing tractor! See for yourself with a "NO OBLIGATION" demonstration.

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Mowing the grass before the wheels mat it down is an outstanding feature of the Worthington Model "F" Tractor. Fully articulated frames permit mower units to follow ground contour.

Gang mower capacity at power mower cost—that's what the Worthington Triplex offers. This versatile unit gives you everything from putting-green type of mowing to a regular three-gang unit.
Fertilize 18 Fairways in only 4 Hours

BRODKASTOR
Spreads pelleted and granular fertilizer in swaths up to 50 ft. applied in a controlled, uniform pattern reducing hazards of burning and striping. Powered from PTO or its own power unit.

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Pros who were at the PGA President’s dinner have been talking about Bob Goldwater’s after-dinner speech as the frankest good advice that could be given the PGA. The head of the PGA’s Advisory committee said: “Use what strength you have built up, for the good of golf and be careful not to abuse it. You have power in some quarters. Make sure that it is used modestly and discreetly. Businessmen are beginning to ask, with reason, who are these people who tell me what to do at my club.”

George Smith is program chmn. for the eight meetings the Pocono Turfgrass Assn. has scheduled for 1959. Newly formed Mass. Turfgrass Assn. encouraging supts. as well as homeowners to join. Albert Allen is pres. and Orville Clapper, secy.-treas.

Women who have handicaps of 12 or less are encouraged to enter 27th Helen Lee Doherty Women’s Amateur tournament at Coral Ridge CC, Ft. Lauderdale, Fla., Jan. 21-25. First National Winter Golf Week to be held Feb. 7-13. Sponsors headquarters is Hollywood Beach Hotel in Hollywood, Fla. First 9 at Vandenberg AFB, the big new missile center in California, being rushed for a spring opening. Bob Baldock has designed 18 holes for the base course and says it may eventually go to 27
Even spiked shoes make no lasting impressions on ULTRALAST! Its "comeback" qualities are extraordinary, but equally spectacular are its other characteristics. For the dining room, lounge and guest rooms, you're concerned with attractiveness and resilience underfoot. ULTRALAST excels on both counts. Offered in both GOLD LEAF and RARE MARBLE patterns compatibly colored to correlate with all furnishings, ULTRALAST is the champion of solid vinyls. Smooth as a Hogan follow-through.

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1825 ERIE AVENUE • SHEBOYGAN, WISCONSIN
To build fine turf with these superintendents use

"...helped give coverage of greens in 6 weeks... free labor for other important work"

reports Walter P. Harkey, Superintendent, Charlotte Country Club, Charlotte, N. C.

"We planted 328 Bermuda grass around June 1 on all greens," says Mr. Harkey. "Du Pont ‘Uramite’ was applied about two weeks later at about 20 lbs. per 1,000 sq. ft. We opened the first nine holes six weeks later. I credit the slow, uniform supply of nitrogen from ‘Uramite’ with helping to get coverage of my greens in this short time. ‘Uramite’ also helped free some of my labor for other important work that had to be done at this time. I’ve been well satisfied with the results we’ve had this season from ‘Uramite’.

Walter P. Harkey, Superintendent of the Charlotte C.C., Charlotte, N. C., who uses Du Pont “Uramite” as the basis for his nitrogen fertilization program. Mr. Harkey is presently Vice-President of the Carolina Golf Course Superintendents’ Association.