Don’t kill it.
Control it.

MAINTAIN® CF 125 is the growth retardant that thinks like a gardener. It works with nature, not against it. MAINTAIN effectively slows the growth rate of grass, shrubs and trees. That means less mowing, trimming, edging and pruning. And that means you’ll be cutting down on maintenance costs.

Just about everything MAINTAIN touches grows slower. (How much slower depends on the kind of weather and greenery you’ve got.) Your maintenance people won’t have to go out on a limb, either. MAINTAIN can be sprayed where machinery can’t go. Up steep slopes, around guard rails, along fences.

Besides keeping a green thing from getting out of hand, MAINTAIN practically puts a stop to pesky broadleaf weeds.

In your business, nature running wild can increase the chance of fire or damage. So you can spend a lot of money on maintenance, use a soil sterilant to eliminate vegetation, or use a growth retardant to control nature and keep things green.

Naturally, it makes more sense to use MAINTAIN.

Contact your U.S. Borax distributor or your nearest U.S. Borax office.

California: 3075 Wilshire Blvd., Los Angeles 90010
Georgia: 296 Interstate N. Parkway, Atlanta 30339
Illinois: 1700 E. Sherwin Ave., Des Plaines 60018
New Jersey: 60 Craig Road, Montvale 07645
Canada: 234 Eglinton Ave., E., Toronto, Ont. M4P 1k5
WTT Turf Herbicide Report

Thistle, sunflower, tumble weed, vervains, vetch, wild carrot, ragweed, sowthistle, stinging nettles, wild strawberry, tan weed, toadflax, vervains, wild garlic, wild onion and wild sweet potato.

Its chemically active ingredient is 49.3 percent dimethylamine salt of 2,4-dichlorophenoxyacetic acid.

The chemically active ingredient is 49.5 percent dimethylamine salt of 2,4-dichlorophenoxyacetic acid.

Banvel 4-S can control curly dock, common chickweed, mouse-ear chickweed, stitchwort, dog fennel, knotwood, sheep sorrel, clover, knawel, chicory, henbit, English daisy, spurge, purslane, pepperweed, carpetweed, lawn burweed, hawkweed and spurry.

Its active ingredients are 49 percent dimethylamine salt of dicamba, and 7.9 percent dimethylamine salt of related acids.

Pennwalt Corp., Philadelphia, makes two turf herbicides. Endothol turf herbicides is used to control Veronica (speedwell), knotweed, bur clover, white clover, sweet clover, black medic, chickweed (in the South), cranesbill, filaree, dichondra (pony foot) goatshead, henbit, lespedeza, oxalis, vetch, little barley, fescue grass, cheat (and other annual bromes), ryegrass and Poa annua. When mixed with 2,4-D, it can control other broadleaved weeds.

Pennamine D7 can control thistle, wild morning glory, bitterweed, broomweed, croton weed, dandelion, dock, dogfennel, fanweed, koehia, lambsquarters, mallow, marshelder, mustards, peppergrass, pigweed, plantains, ragweed, shepherd's purse, tarweed, vetch, wild carrot, wild garlic, wild onion, wild ragweed, buckbrush, elderberry, hazel, coastal sage, sumac, willow, sand shinnery oak, field bindweed, leaf spurge, poison ivy, horse nettle, ironweed, cocklebur, milkweed, stinging nettle, black-eyed susan, and snow-on-the-mountain.

It is an aqueous solution of diodium salt of endothol.

Meet the Un-Tearable Mr. Tu-Tuf

ROSS TreeGARD

The Ross TreeGARD is a simple easy-to-handle plastic snap-on tube that expands to fit any young tree.

- Protects against sun scald, yet allows proper ventilation.
- Protects tender bark from rabbits and other rodents that feed on new growth.
- Protects against mower bruises and gashes that expose trees to disease and insect damage.
- No taping, tying or gluing is necessary.
- Snaps on—snaps off in seconds.
- Durable plastic can be used from season to season.
- Easily removed and replaced for spring-time inspection.

Stock number 1687, 24” long, packaged 400 to a carton.

Contact your local distributor or Ross Daniels, Inc. 1720 Fuller Rd., West Des Moines, Iowa 50265

Circle 111 on free information card

42 WEEDS TREES & TURF/AUGUST 1976

Circle 123 on free information card
Touchdown Kentucky Bluegrass is no slow poke on your fields or fairways. This new variety gives you the quick start not usually associated with Elites—and once it germinates it keeps right on growing sending out vigorous rhizomes and new shoots to quickly give you a turf cover that lets you breathe easy. Faster cover means fewer washouts and blowouts, less competition from moisture and nutrient robbing weeds and a more quickly established turf for sale as sod or play on fairways. Touchdown can be mowed short and its density means you can plant it right up on tees too. You'd expect this with Touchdown's pedigree.

Touchdown was discovered by a professional—Tom Rewinski—Course Superintendent at the famed National Golf Links of America on Long Island. It was first evaluated by Dr. C. R. Funk at the turf grass breeding program at internationally acclaimed Rutgers University. Since Rewinski's discovery, intensive evaluation there and at numerous other institutions Touchdown has received top turf quality ratings.

And it only stands to reason that Touchdown will be a lower cost management grass. More rhizomes and side shoots means growth is directed where you want it—not just mow, mow, mow. Greater levels of disease resistance means fewer costly fungicides and dense aggressive turf means better competition against weeds and Poa annua.

Professional Quality Seed of Certified Touchdown Kentucky Bluegrass is now available. To find out how great Touchdown is—contact your distributor and try some.

*Plant variety protection applied for.
SEED BURNING from 14

Oregon for reproduction. This market may dry up for the state now that Europe markets won’t accept seeds not meeting certification. Without open field burning, Oregon has a much more difficult time getting highest quality seed.

Since stringent laws hampered burning, only 5,339,000 pounds of seed were produced in 1975, 78 percent of the 1974 market and the lowest number since 1969.

Yet foreign producers aren’t sitting easily, either. Japan still has serious problems with ergot, a dilemma Oregon controls through burning. Other countries, as Dr. Fred Grau of the Pennsylvania Turfgrass Council, Inc., notes, tend to market seed with such negative elements as “unidentifiable, undesirable varieties, too many weeds not seen before, new diseases and too much inert matter” due to their climates. “One bag of weedy, low quality seed, once planted, will take years to correct,” he says.

The seed growers worked hard. They met with Oregon Governor Robert Straub although he withholds support for them until they show they are “making an all-out total effort to find an alternative solution.” Under SB 311, he may suspend the bill in case of hardship or disease and similar catastrophes or may suspend burning entirely. But the Governor said he believes growers pursue open field burning as least resistance and economic opportunism, and have not researched alternatives properly. Oregon seed farmers heartily refuted this and refer to $531,000 of $954,826 of their budget spent for sanitizing research. Council member Scott Lamb points out they paid for a straw cubing plant and appointed a five man committee to study straw cubing and briquetting.

Some farmers pay to $90,000 for their own straw machinery. They donate and haul straw to experimental plants for free but still face problems. The best one farmer could do was three acres an hour with very low moisture condition, significant emission and afterburn from his $35,000 investment. It required alterations to reach satisfactory smoke control and acreage production (he never reached both at the same time), and his neighbors asked him to return to field burning since it circulated smoke higher into the air than the low slung machine emissions. Willamette Valley pays $1.4 million to burn and $1.2 million on straw equipment for straw that costs $12 to $15 a ton. One acre produces two tons of straw.

Under SB 311, farmers must apply for permits to use pilot field sanitizers, show design plans and specifications, acreage and emission performance notes and rated capacities with their applications. They also must produce details regarding availability of repair service, replacement parts, operational instructions, a letter of approval from the Field Sanitation Committee and emission standards for approved field sanitizers.

The sanitizers must prove abilities of cleaning a harvested grass field or cereal grain stubble with an accumulation of straw and stubble fuel load of not less than one ton an acre, dry weight, with average moisture not less than 10 percent, at a rate of not less than 85 percent or rated maximum capacity of a period of 30 continuous minutes. It cannot exceed these emission standards; 20 percent average capacity out of main stack; leakage not to exceed 20 percent of the total emiss-

Continues on page 46
How to make your board see the value of new turf equipment.

Convincing your Board of Directors that new turf equipment is a necessary and sound investment can be one of your most difficult tasks. They don’t always see the benefits behind such a purchase.

And as good businessmen, they won’t commit the money until they’re sold on the expenditure. So when it comes time to face them, here are some of the things you should point out.

Point #1: The Duffer Demands More.

Today’s golfer is more sophisticated than ever before. He has seen, and many times played, some of the finest courses in the world. He recognizes the value of a good course. And if yours is sub-par, he’ll go elsewhere.

With this more sophisticated golfer comes the need for more sophisticated golf course maintenance. Heavy player traffic has increased the work required to keep the turf in top condition. So jobs that were once optional are now mandatory. Where spiking a green used to be sufficient, today it also needs deep aeration.

All this dictates the use of specialized equipment that wasn’t available ten or even five years ago. Equipment that will enable you to build and maintain a top flight course, and help avoid special turf problems that could prove extremely costly.

Point #2: Machines Do More.

In the past decade, the price of labor has tripled. The same number of men must do more work in less time to give you the same value for each labor dollar invested. Mechanized equipment allows you to trim hundreds of unnecessary man-hours. One man can now cut more sod in an hour than six men used to cut in six hours. Or that same man can aerate 18 greens in a few hours instead of a few days.

New engineering concepts coupled with precision machinery means he’ll do a consistently good job. You get better results and fewer occasions when a job must be redone.

And your turf equipment is depreciable; something your labor is not. You get an accounting break over a period of years. At the end, it’s like owning a piece of free machinery. One that will continue to save you money long after you’ve paid for it.

Which brings us to the third point.


Equipment life should be a prime consideration when you select a manufacturer. The longer a machine works, the more it does, and the less maintenance it requires, the better your investment. And here’s where we’d like to put in a little plug for Cushman and Ryan turf equipment.

Both lines of machinery are built to last... and last. It’s not unusual to see a piece of Cushman or Ryan equipment still doing its daily chores after ten or fifteen years of use. We believe the idea of “planned obsolescence” should be obsolete.

But performance is just as important as longevity. A Cushman Turf-Truckster and its accessories give you the capabilities to transport, spray, spike, dump, aerate, and top dress... all from one power source.

Ryan offers a machine for almost every turf task. Equipment that does a better job, in less time, and with a minimum of maintenance. For over 30 years, all Ryan equipment has been built with three goals in mind: quality, performance, and innovation.

If “A Day With the Board” is in your future, we’d like the opportunity to tell you more about the full line of Cushman and Ryan Turf equipment. Write to us and we’ll send you our catalogs, full of detailed product information. Information that may help you open a few eyes to the value of new turf equipment.

OMC-Lincoln, a Division of Outboard Marine Corporation, 6730 Cushman Drive, P.O. Box 82409, Lincoln, NB 68501
**FIELD BURNING**

sion and no significant after-smoke originating more than 25 years behind the operating machine.

Once approved, acres burned by approved field sanitizers won't apply to open building acreage allocation or quotas but will operate under either marginal or prohibition conditions.

In the direction of burning, Oregon seed farmers hope to use 'the big burn' of five square miles of seed liner in one block, lighted scientifically on a good burn day for maximum combustion, a minimum of smoke and maximum lifting.

The seed growers are challenging the validity of parts of SB 311 in a class action suit filed in Marion County Court recently. They are asking the suspension of the 195,000 acres quota be lifted but are not now protesting the $4 an acre burning tax. The defendants are the State of Oregon and the Director of DEQ, Loren Kramer.

Two Lane County residents have also named six seed growers in a suit which technically involves all growers in Lane, Lynn and Benton Counties. This class actions suit was recently granted a change of venue from Lane to Deschutes County and is scheduled for late July in Bend, Ore.

It falls into a summer of uncertainty for the Oregon seed growers, into prime burning time as aphids and aphid-related virus infestations attack cereal fields and the fields lack many defenses.
1968 CHEV DUMP with large chipper box & tool boxes, $1,500.00. Texas Tree Service, 5733 Oakdale, Fort Worth, Texas 76119. Phone 817 451-5380.

50' SKYWORKER on 1970 Chevrolet — chip box, hydraulic tool outlet, Jerry Lupton, 32 Martha, Tiffany, Ohio. 419 447-3726.


SEVERAL 50 FOOT SERVICE-lifts for sale, 3322. 30 miles N.E. of Denver, 1 mile west of Denver Turf Farms, Inc., Starting 10:00 A.M., RR I, Keenesburg, Colo. 303 255-5380. Phone 203 878-3296.

FOR SALE 1966 Asplundh — 50 ft. 570 CASE GAS TRACTOR 400 hours, 1970 HIRANGER mounted on 1970 F600 with LR45 Asplundh lift 8

HELP WANTED

ARBORIST Village of Downers Grove, Illinois. Salary $12,000-$14,000, yearly. Experience desirable in Dutch Elm Disease and other tree diseases. Tree Planting, tree trimming, and general maintenance and use of hand tools. Must be able to deal with the public. Excellent opportunity for qualified individual. Send resume to: P. O. Box 1673, Orlando, Fla. 32803. Phone 305 339-5242.

CITY OF MIAMI Civil Service Examination for Facilities Grounds and Turf Manager. Salary $1,143-$5,460 month. Degree in Agronomy or Turf management plus 3 years experience, or 5 years full time Turf Management experience. Send resume and transcript to City of Miami Civil Service, P.O. Box 330708, Miami, Florida, 33133. Deadline, August 31, 1976.

INSTRUCTOR-HORTICULTURE, turf grasses, nursery, landscape installation and maintenance. B.S. in field plus two years of experience in field, or six years in field. Ability to relate to young people. Write brief resume to: Rex Gaugh, Director Pinellas Vo-Tech Institute, 6100 154 Avenue N., San Jose, Calif. Resume to Box 3202, San Jose, Calif. 95156.

SALES HELP WANTED: Horticultural firm seeks a sales representative to sell grass seed (including many of the new improved varieties of bluegrass, fescue, and ryegrass), chemicals, and fertilizers to golf courses in the Northeast. All replies confidential. Write Box 153, Weeds, Trees & Turf, Box 6951, Cleveland, Ohio 44101.

GRADUATE ORNAMENTAL HORTICULTURIST or agronomist to train for supervising chemical section of major industrial landscape maintenance division. Qualifications to pass N.Y. control operator and pest control adviser exams. Interviewing in San Jose, Calif. Resume to Box 3202, San Jose, Calif. 95156.

CITY FORESTER - responsible planting, maintenance, removal all city street trees un-
Faster, easier and more economically than ever before, Vermeer Log Splitters take the work out of making firewood. A single control lever activates the powerful overhead cylinder, hydraulically wedging a heavy-duty cutting blade through any log up to 30" in height — under 22,000 lbs. of splitting force. You can split, stack and have a truckload of firewood ready for delivery in an hour. Easy to operate. Easy to maintain. Powered by the hydraulic system of a farm tractor (LS-100) . . . or available as a self-contained unit (LS-200). Vermeer Log Splitters are ideal for parks, campgrounds, tree farms, nurseries and rental operators. Write today for complete information.

VERMEER MFG. CO.
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Circle 107 on free information card

FREE catalog of grounds care equipment

Full-color catalog shows the full line of Gravely lawn and garden tractors with accessories for mowing, grounds maintenance, gardening, snow removal, and more. Unique tractors feature all-gear transmission that Popular Science called “probably the world’s most rugged small gear-type tractor drive.”

Write or circle number on inquiry card

GRAVELY
3508 Gravely Lane
Clemmons, North Carolina 27012

Circle 106 on free information card

Meeting Dates

Ohio Nurserymen’s Association, Summer Meeting, Hueston Woods, College Corner, August 17-29.

Greater Cincinnati Golf Course Superintendents Association Meeting, Kenton Country Club, August 17.

Northern Michigan Turf Managers Association Meeting, Cheboygan Country Club, August 17.

Vermont Plantmen’s Association Annual Meeting, Randolph Center, August 18.

Rocky Mountain Golf Course Superintendents Split Meeting, Colorado City, Cheyenne, Glenwood Springs, August 19.

National Recreation and Park Association, Institute on Park Operations and Maintenance, Colorado Springs, Col., August 22-24, contact Frank D. Cosgrove, director, NRPA’s Western Service Center, P.O. Box 6900, Colorado Springs, Col. 80934.


Eastern Region, International Propagator’s Society, Rutgers University, Rutgers, N.J., August 23-26.

Rhode Island Turfgrass Field Day, Turfgrass Research Farm, University of Rhode Island, Kingston, August 25.

International Symposium on Biological Control of Weeds, University of Florida, Gainesville, August 30-Sept. 2.


Michigan State University Field Day, Traverse City, Sept. 9.

Oregon Association of Nurserymen, Annual Convention, Inn of the Seventh Mountain, Bend, Sept. 9-12.

Pacific Horticultural Trade Show, Anaheim Convention Center, California, Sept. 11-13.


Nebraska Golf Course Superintendents Association Meeting, Mead Experimental Station, Mead, Sept. 13.


If we don’t have the gang mower you need, nobody has.

Like George Cornell of G. L. Cornell Co. in Gaithersburg, Maryland, all of us Jacobsen Distributors carry a full line of gang mowers. From Jacobsen.

It’s the most complete variety of gang mowers made by anybody.

This means that we can match up your mowing needs with the right kind of equipment configurations.

Take the Jacobsen Fairway gang mowers. You get a choice of three different wheel styles (steel, semi-pneumatic and pneumatic). There are six-blade standard and 10-blade high-frequency units for cuts as smooth as a carpet.

And we offer 3, 5, 7, 9, and 11-gang combinations. With adjustable cutting heights ranging from \( \frac{3}{8} \)" to \( 2\frac{1}{4} \)".

Then there are Blitzer gang units for areas other than fine turf. You have the same choice of three wheel styles. Plus bigger 10" reels with either four or five blade units. And 3, 5, 7, 9, and 11-gang combinations that mow up to a 25' 10" swath. With cutting heights of 1" to 3\( \frac{3}{8} \)".

For tractors with 3-point hydraulic lift systems, we have the 3 and 5-gang Ram Lift Ranger. The mowing units lift for quick transport.

Now for the icing on the cake. No matter which units you end up with, you'll benefit from the sealed housing design. You need lubricate them only one time each year. Period.

And we provide you with the kind of complete back-up service that Jacobsen Distributors are famous for.

Next time you’re in the market for gang mowers, contact your Jacobsen Distributor.

If you’re a choosy person, you couldn’t go to a better place.

You’ll have the world’s most complete line to pick from.

Your Jacobsen Distributors.

Great products deserve great service.

For the name of the distributor near you write: Jacobsen Turf Distributor Directory, 1721 Packard Avenue, Racine, Wisconsin 53403