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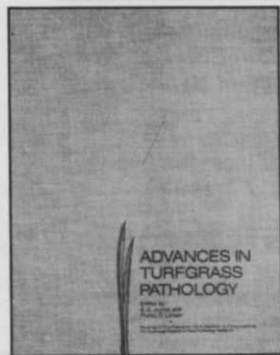
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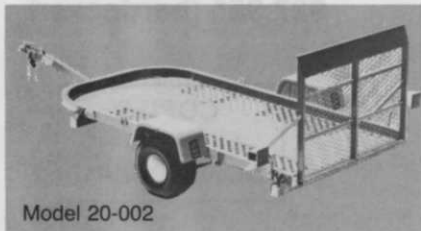
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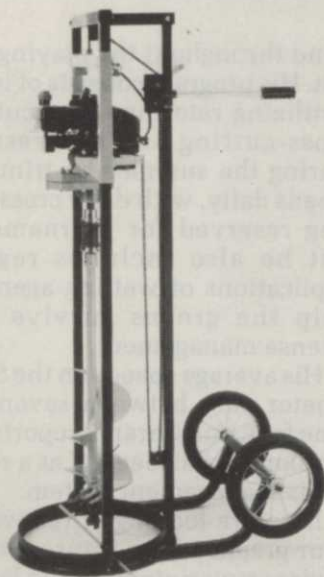
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Hoffco's MD600 Mobile Drill unit is a natural for fertilizing trees. The two-inch or four-inch Hoffco augers are the perfect size to drill small holes needed for the fertilization process.

The manufacturer recommends its two-inch and 10 inch standard augers for digging in ordinary soil conditions. For soil such as caliche, hardpan or sandstone, the six-inch to 10-inch heavy duty auger is recommended, along with Hoffco's fast cutting Pengo bits. Another "plus" feature is a new Hoffco invention — a shock absorbing unit to relieve mechanical stress as it absorbs jolts and/or cushions damaging shock loads.

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### Walk, ride rotaries expand Jacobsen line

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Not only is a range of cutting widths available, but the machine can also be ordered with 8, 11, 12 or 16 hp gas engines.

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## APRIL

**Fifth Annual Landscape Industry Show, April 4-6.** California Landscape Contractors Association, Inc., at the Long Beach Convention Center. For more information contact CLCA, 1419 21st St., Sacramento, CA 95814, (916) 448-CLCA.

**University of Florida Turfgrass Field Day and Research Update, April 6.** Ft.

Lauderdale, FL. For more information, contact Dr. Bruce J. Augustin, University of Florida, Agricultural Research and Education Center, 3205 S.W. College Ave., Ft. Lauderdale, FL 33314, (305) 475-8990.

To insure that your event is included, please forward it, 90 days in advance, to: WEEDS TREES & TURF Events, 7500 Old Oak Boulevard, Cleveland, OH 44130.

mind throughout the playing season. His program consists of lower fertilizing rates and verticutting, cross-cutting and topdressing. During the summer he trims his greens daily, with daily cross-cutting reserved for tournaments. But he also includes regular applications of wetting agents to help the greens survive that intense management.

His average speeds on the Stimpmeter vary between seven and nine feet, and Caranci reports "no problems whatsoever," as a result of his management system.

If you're looking at renovating your greens in the future, Burton advises superintendents to look at grasses whose leaves grow close to the ground. As an example, he noted that Tifdwarf grasses withstand high-speed cultivation practices better than Tifgreen or 328, because the latter type has a tall-growing leaf system.

Snow said he believes the "ideal" green speed superintendents should strive for lies between 7.5 and 8.5 feet, which he called "very reasonable, and fair, and enjoyable to play without doing severe damage to the turf."

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landscape professionals who make our industry hum. Then, they use their years of experience to pull it all together, analyze it and present it to you in a crisp, easy-to-read and easy-to-use style. That way, you have the information you need to do your job better, faster and more effectively.

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**Snow said he believes the "ideal" green speed lies between 7.5 and 8.5 feet.**

Doug Hawes, USGA Green Section regional director, suggests that superintendents try to find a "middle ground" between the varying opinions of course members on speed. He also recommends gradually increasing green speeds and holding the increase to no more than one foot a year so players can adjust.

With all the attention given speed factors in recent years, Hawes reminds superintendents not to overlook other factors.

"Some greens are unfair at any speed," he said. **WT&T**

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# LETTERS

## Don't forget bromoxynil as 2,4-D substitute

In a recent Government Update column you failed to mention that bromoxynil (Brominal ME4) is a good substitute for 2,4-D in turf. Brominal ME4 is a product of Union Carbide. The turf industry sees and hears about 2,4-D and dicamba (Banvel) but apparently rarely do they receive information about bromoxynil and its use.

Union Carbide should advertise in WT&T about bromoxynil for use in turf for broadleaf weed control. The product is available to the custom applicator and chemical distributors for turf maintenance.

**Rupert D. Palmer**

*Extension Weed Specialist  
Texas Agricultural Extension Service  
The Texas A&M University System  
College Station, TX.*

## Kudos for Guide

Your October copy of Weeds Trees & Turf, contained an article on fertilizer by Roger Funk and Richard Rathjens.

I am urged to say this article is the most instructive and enlightening reader on fertilizer ever to come into my hands.

Be advised that I have been connected with the upkeep, and even design, of golf courses for many years.

However, I must say I learned more on the subject of fertilizers in Part I than I did in prior short courses in agronomy from two universities.

In my view, your magazine has advanced much in contents and display in the past two years.

**George J. Pulver,**

*Life member of PGA and GCSAA*

## Proposition is "scary"

Since most of my peers in the 2,4D herbicide business are long ago retired or deceased, I feel compelled to suggest to you that the proposition to "sacrifice" 2,4D (pg. 16, Oct., 1983, Weeds Trees & Turf) to gain regulatory advantage is not only scary, but outright contradictory to the past history. Those of us who were there when the current mess with political control evolved, can attest that sacrificing DDT accomplished nothing and certainly gained no advantage for the industry.

Scientists have long ago agreed, for

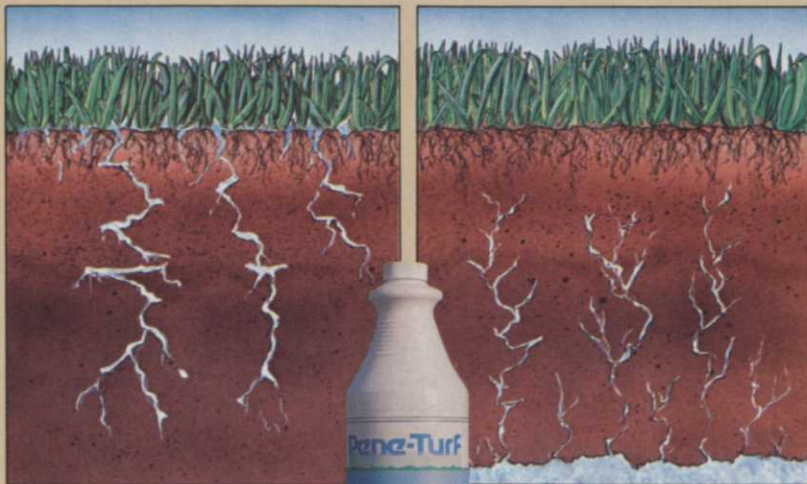
the most part, that banning DDT has only prohibited the American public from enjoying the advantages of its use. Oh yes, it has filled the pockets of the pseudo-environmentalists who have profited substantially with their activities at public expense. Oh, how we could use another Senator Everett Dirksen, for he understood the phonies and the foolish, misled public segments.

No, if you cannot defend 2,4D,

then, in fact, you cannot reasonably defend any pesticide on today's market. Jerry Faulring has good intentions, I'm sure, but he apparently doesn't know much about the history of the on-going battle with lawyers and antagonists over pesticides. The "self-vested" interested parties have misled and prevailed entirely too much up to now and conceding further ground is ill-advised. 2,4D has as good and justified use record as any

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material used today and we have no substitute after some 35 years of experience.

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## Rationale questioned

I have read with great interest (Drs. B. Rao and T. Mog, authors of "Problem Solvers") your response to the question from Missouri regarding "tree injections" in the September 1983 issue.

C.S.I. is a major supplier to the tree care industry (of systemic implants), and, as you are undoubtedly aware, a supplier to the Davey Tree Expert Co. As such, I am more sensitive to the inconsistencies and lack of rationale that is often used in discussing systemic injections and implants.

Several statements in your response that deserve attention are: 1) "Wounds of any origin are harmful to the tree and should be avoided"; 2) "The smaller the wound, the smaller the chances are of doing permanent damage to or killing the tree"; 3) "Injections/implants should be used

only when established treatments fail"; and 4) "My major reservations lie with the materials being injected and the benefits attributed to the injections".

Specifically, I would like to comment on each of the above points:

**1** What is your attitude toward pruning cuts and "cosmetic tree surgery"? Certainly such practices involve "wounding the tree" and the apparent benefit of such wounds would seem obvious.

**2** The emphasis of "smaller wounds" often "used out of context" by commercial companies promoting devices alleging to utilize "smaller physical wounds". Also, it has been demonstrated over the past 20 years that "smaller is not always safer"...i.e. theoretically you might utilize a hypodermic needle to inject a minute quantity of a "damaging compound" that could cause extensive cambial dieback or demise of the tree. I think instead we should be examining the chemicals being introduced into the tree (and their potential risks); and equally the tolerance of different tree species to withstand such treatments rather than "imply" that 3/16 inch diameter holes are "acceptable", but 3/8 inch are "not acceptable" (note: examples only!)

**3** The use of systemic treatments "only when established treatments fail" does not satisfy the applicator utilizing IPM (Integrated Pest Management); nor does it satisfy the "needs" where conventional applications are (a) not environmentally acceptable, or (b) not physically possible.

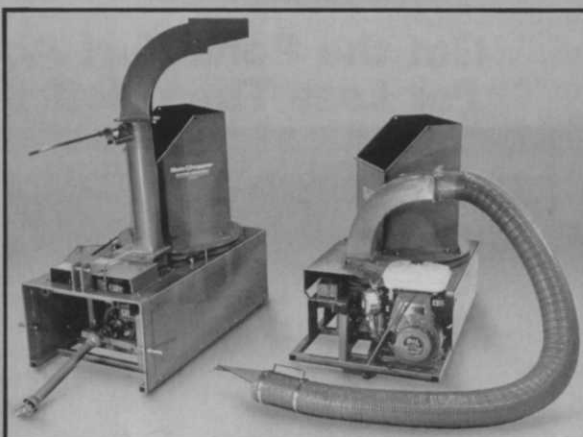
**4** I am in agreement with your "major reservation" regarding chemicals being injected (or implanted). Also, in considering this aspect, we must be able to differentiate between discolored wood and deadwood! Contrary to the opinion of some plant pathologists, certain chemicals can cause discoloration without contributing to cambial dieback.

In summary, injections and implants have been available to (and utilized by) the industry for over 20 years and I believe there is a basis for a more positive response than that which was expressed in your column.

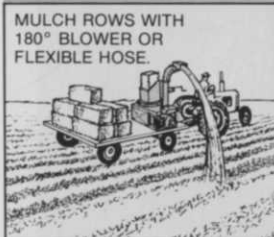
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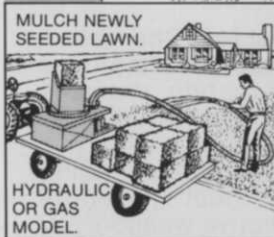
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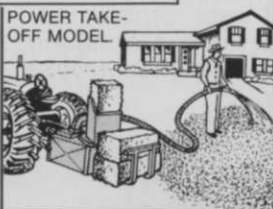
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4/84

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5/84

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