

STIHL American, Inc.

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Code 404-941-1730

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We've added Solid State Ignition to the World's most advanced chain saw!

Our engineers and designers are a very dedicated and conscientious group and not at all inclined to rest on past laurels.

Consequently, although the new Stihl 041AV was recognized all over the World, as being far ahead of its field in design, engineering and performance . . . our people still were not satisfied. How could we improve upon the World's first and only chain saw with built-in

shock absorbers to eliminate vibration?

We added Solid State Ignition!

Now, you have such Stihl "firsts" as automatic chain oiling and an anti-vibration system for smoother cutting with less fatigue . . . plus the addition of a molded solid state ignition system. Now our technical people are happy with the STIHL 041AV Electronic.

We think you will be too!



For More Details Circle (126) on Reply Card

Spray-paint **TRE-HOLD**[®]

after your 1970 pruning

and cut trimming

costs in 1971!

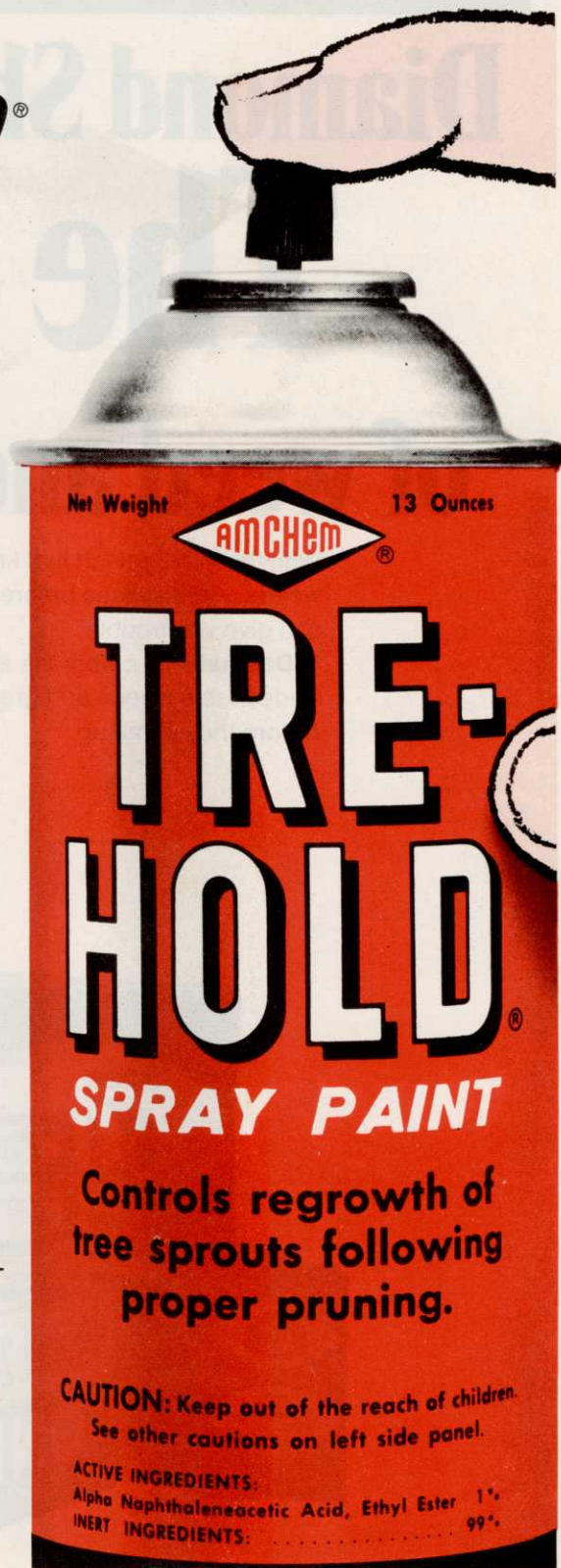
TRE-HOLD Spray Paint is really a money-saver. One utility reported that they saved \$200,000 on their annual trimming budget and another company estimated a \$60,000 savings. You simply spray it on the freshly cut wood.

TRE-HOLD is also available as a paint in gallon cans for application by brush ■ Ask your Amchem representative for further information.

First name in herbicide research.

amchem[®]

Amchem Products, Inc.
Ambler, Pennsylvania



Net Weight

13 Ounces



TRE-HOLD[®]

SPRAY PAINT

**Controls regrowth of
tree sprouts following
proper pruning.**

CAUTION: Keep out of the reach of children.
See other cautions on left side panel.

ACTIVE INGREDIENTS:

Alpha Naphthaleneacetic Acid, Ethyl Ester 1%

INERT INGREDIENTS: 99%

Take the trouble

Diamond Shamrock gives you

The System of weed and disease control.

With the 1-2-3 punch that knocks out weeds and diseases before they can give you trouble.

1. Dacthal kills crabgrass and other undesirable weeds and grasses before they come up.

2. Dacamine effectively eradicates growing broadleaf weeds.

3. Daconil 2787, the ONE fungicide, controls a broad spectrum of turf disease organisms. Try these three great ways to take trouble out of turf.



out of turf.

Dacthal[®]

1.

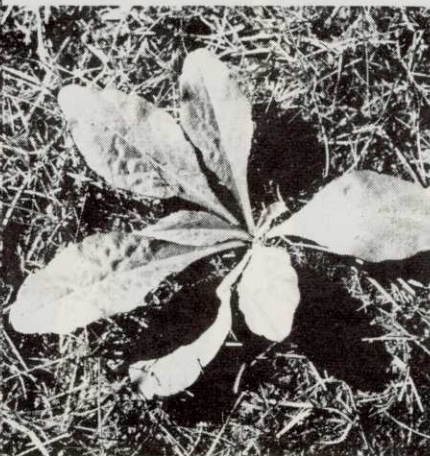
is the premium preemerg herbicide proven most effective through field testing and years of use. Controls crabgrass, *Poa annua*, and 14 other undesirable weeds and grasses. One application lasts all season. For *Poa annua* control follow label directions.



Dacamine[®]

2.

herbicide controls broadleaf weeds such as dandelion and plantain without hurting your grass. Kills deep—down to the root tips—for complete weed eradication. But only where you spray it—non-volatile Dacamine won't vaporize to injure desirable plants.



3.

Daconil 2787[®]

—the ONE fungicide—handles a broad spectrum of disease organisms not just one or two. And it does it right through the time you need it most. Turf grasses have exceptional tolerance to Daconil 2787, even in hot, wet weather. So you can maintain lush, deeper green turf all season.

If you're looking for a way to have healthier, more beautiful turf, ask for our folder AG-207. From Agricultural Chemicals Division, Diamond Shamrock Corporation, Dept. H 2270, 300 Union Commerce Bldg., Cleveland, Ohio 44115.



**Diamond
Shamrock
Chemicals**

THE system of weed and disease control.

For More Details Circle (106) on Reply Card

Try Tandex on your own impartial panel of weed control experts.



Tandex can give you a more economical ground maintenance program.

Tandex is a soil sterilant. And it's proven its weed-killing power for use around industrial plant sites, storage areas, lumberyards, tank farms and the like. Broadleaf weeds, grasses,

even woody species die when Tandex is applied. And its power persists for a season or longer.

Spray wettable Tandex powder (WP 80) or use the granular form. The handy five-pound plastic container is especially convenient. Tandex can be combined

with fortified oils and other herbicides for special control situations.

Write to Department A, Niagara Chemical Division, FMC Corporation, Middleport, N.Y. 14105.

Tandex[®]



Industrial Chemicals, Niagara Chemical Division, Middleport, New York 14105

Special for This Issue

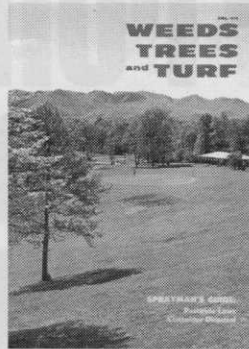
Pesticide Laws — As They Stand; What Changes Could Mean	10
<i>Pesticide Use Law Chart lists states having regulations regarding use of pesticides. Nebraska study sees human health and environment jeopardized by wholesale restriction of pesticides.</i>	
Pesticide Container Disposal — A Look at Burning	14
<i>Thermal degradation of pesticides appears the safest disposal method. Drum reconditioning firms with burning equipment are listed.</i>	
Weeds Losing Ditch Banks in Louisiana War	20
<i>Chemical Maintenance, Inc., Shreveport, La., reports on its successes in controlling johnsongrass along bayous.</i>	
Black Mountain Golf Course Tests Fertilizers and Bentgrasses	24
<i>Supt. Ross Taylor reports results of four years' testing and recommends fertilization programs for greens.</i>	
Midwest Regional Turf Conference Report	34
National Arborists Association Convention	38
41st GCSAA Conference and Show	48

Regular Features

Editorial: <i>Five Behind, Five Ahead — Take a Look</i>	8
Sod Industry Section: <i>Soil Preparation & Sodding Guide</i>	30
Meeting Dates	31
Industry People on the Move	37
Insect Report	44
New Products: <i>Especially for Spraymen</i>	46
Trimmings	53
Index to Advertisers	53
Classifieds	54

The Cover

With the Dogwood in bloom and the hazy blue Black Mountains all around, you would think it would take quite a phenomenon to attract attention. But Supt. Ross Taylor is convinced that golfers on the Black Mountain Country Club course nevertheless marvel at the perfection of the greens. Their quality, he says, comes from four years of testing fertilizer response of eight bentgrasses. His story begins on page 24. The cover reveals the picturesqueness of the North Carolina course, explaining why golfers don't mind at all tackling No. 17 hole, reported to be the longest hole in the world, a 745-yard, par 6 dogleg.



WEEDS TREES and TURF®

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♣ For More Details on Preceding Page Circle (107 on Reply Card

Five Behind, Five Ahead—Take a Look

A journalism conference speaker once suggested that attending editors go home, pull out a publication issue of five years ago and compare it with a current one. If the two look pretty much the same, he said, the publication is in trouble.

In retrospect, it seems the speaker was asking his listeners to do three things: (1) analyze themselves; (2) review what they had been doing; and (3) determine if their product was keeping up with change—or with competition.

The advice again came to mind at the Midwest Regional Turf Conference when banquet speaker the Rev. Joseph Wick of Lafayette's First Christian Church pursued a similar line of thought.

"Would you hire yourself?" he asked. "Are you concerned about your marginal areas of performance. Are you attempting to improve yourself?"

Do you have a give-and-take attitude and a sense of humor? he continued, for these qualities are important toward getting along with others.

Even the most basic aspect of personal public relations, appearance, often is overlooked. "Every person has his audience," the Rev. Wick reminded.

"What is your attitude toward work?" he asked.

Across the board, businessmen say getting and keeping labor is the major problem. Perhaps the pertinent question is: Would you do the same

work, for the same hours, under the same conditions for the same pay and benefits?

On the return flight from the turf meeting, an article in TWA Ambassador magazine pursued the self-analysis, company analysis theme a step further—of what to do about bad practices.

Considering the changes in the industry and made by competition, if your company is lagging, you and it may be problem-oriented.

Take five recent projects, proposals, or ideas, the article suggested. Were they rejected because of the problems involved, or because the objectives were unsound?

Decision-making that leads to improvement and progress, implied the article, comes after:

(a) analyzing the idea or proposal for the benefits it will bring; (b) recognizing problems involved in attaining the objective; and (c) basing the final decision on benefits of (a) vs. the costs of (c).

"The road to 'nowhere' is paved with objectives that aborted in the problem stage," the article concluded.

Upon evaluation of the past five years, perhaps the most motivating question will be: Based upon what you have been doing, at the end of the next five years, will you still be in business?

roll after roll slab after slab day after day

The Nunes Mechanical Sod Harvester and 3 men can lift, roll or slab and palletize up to 1000 sq. yds. of sod per hour. Field conditions, terrain, soil, sod, are easily and quickly adjusted for, while in operation, with hydraulic controls.

Write for detailed brochure.

Orders now taken for spring delivery.



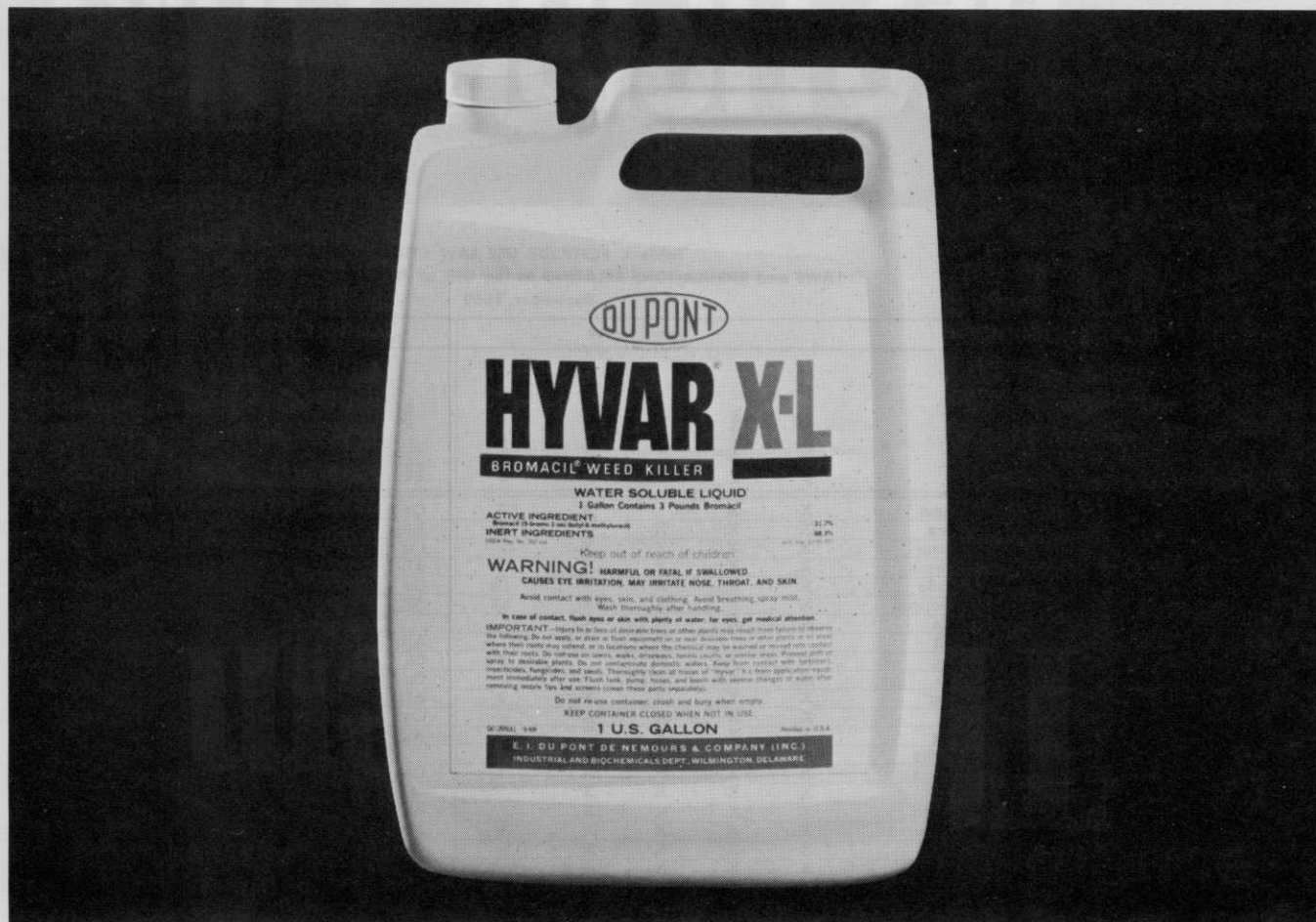
NUNES
SOD HARVESTER

PATENT APPLIED FOR

THE JOHN NUNES MECHANICAL HARVESTING CO. 2006 Loquat Ave., Patterson, California 95363, Phone (209) 892-8776

New DuPont HYVAR® X-L

Now you can have the performance of "Hyvar" in an easy to use liquid



Remember how "Hyvar" X and "Hyvar" X-WS performed for you in the past? How annual weeds were controlled at low rates of application, and perennial weeds and grasses were cleaned up at higher rates? Thorough and long-lasting, wasn't it? You can get this same dependable performance with "Hyvar" X-L bromacil weed killer.

This new liquid can be purchased in 1, 5 or 30 gallon containers. All you do is add water and spray. No special

preparation, nothing to add, nothing messy to handle or harm equipment or clothing.

"Hyvar" X-L makes it tough on weeds, easier on you. Order some easier-to-use "Hyvar" today. Or, for more information, fill in and send us the coupon today.

With any chemical, follow labeling instructions and warnings carefully.



Better things for better living...through chemistry

Du Pont-Industrial and Biochemicals Dept.
Room 2533-1-L Wilmington, Delaware 19898
Please send me more information on Du Pont "HYVAR" X-L bromacil weed killer.

Name _____
Title _____
Firm _____
Address _____
City _____
State _____ Zip Code _____

PESTICIDE LAWS



Table I. PESTICIDE USE LAW CHART
LAWS and REGULATIONS RELATING to the USE of PESTICIDES GENERALLY
December 1969

	Products Covered					Users Covered		Licenses or Permits Required		
	INSECTICIDES	FUNGICIDES	HERBICIDES	RODENTICIDES	OTHERS	AERIAL APPLICATORS*	GROUND APPLICATORS	AERIAL APPLICATORS	GROUND APPLICATORS	OTHERS
Alabama	X	X		X	3	Cu	Cu	Cu	Cu	
Arizona	X	X	X	X	1	All	Cu	All	Cu	10
Arkansas	X	X	X	X		Cu	Cu	Cu	Cu	
California	X	X	X	X		All	All	All	All	5
Colorado	X	X	X		1,6	Cu	Cu	Cu	Cu	
Connecticut	X	X	X	X	2,3	All	Cu	All	Cu	7
Florida	X	X	X	X			Cu		Cu	
Hawaii			X			All	All	All	All	4,5
Idaho	X	X	X		1	Cu	Cu	Cu	Cu	
Illinois	X	X	X			Cu	Cu	Cu	Cu	8
Indiana	X	X	X	X	2	All		All		
Iowa	X	X	X	X		Cu	Cu	Cu	Cu	
Kansas	X	X	X	X		All	Cu	All	Cu	
Kentucky	X	X	X	X			Cu		Cu	
Louisiana	X	X	X	X	1	Cu	Cu	Cu	Cu	8
Maine	X	X	X	X		All	Cu	All	Cu	
Maryland	X	X	X	X		All	Cu	All	Cu	
Massachusetts	X	X	X	X	9	All	All	All		9
Michigan	X	X	X	X		Cu	Cu	Cu	Cu	
Minnesota	X	X	X	X		All	Cu	All	Cu	
Mississippi	X	X	X	X	3	All	Cu	All	Cu	
Nevada	X	X	X	X	2	Cu	Cu	Cu	Cu	2
New Hampshire	X	X				Cu	Cu	Cu	Cu	
New Mexico	X	X	X	X	1	Cu	Cu	Cu	Cu	
New York			X		8,9					8,9
North Carolina	X	X	X	X		All		All		
North Dakota	X	X	X	X	2	All		All		
Ohio			X			8	8	8	8	8
Oklahoma	X	X	X	X	1	Cu	Cu	Cu	Cu	8
Oregon	X		X			All	All	All	All	5
Rhode Island	X	X	X	X		Cu	Cu	Cu	Cu	
South Dakota	X	X	X	X		All	Cu	All	Cu	
Tennessee	X	X		X		Cu	Cu	Cu	Cu	
Texas			X			All	All	All	All	4,5
Utah	X	X	X			All	Cu	All	Cu	
Vermont	X	X	X	X		All		All		
Washington	X	X	X	X	1,6	All	All	Cu	Cu	
Wisconsin	X					9	9	9	9	9
Puerto Rico			X			8	8	8	8	8

All—All users (those treating their own land and custom applicators)

Cu—Custom applicators only

1—Plant growth regulators and defoliants

2—Fertilizers and/or seeds

3—Sprays or methods used to improve the condition of trees

4—Manufacturers and dealers

5—Owner of land to be treated

6—Nematocides

7—Tree experts

8—Special statute relating to herbicides

9—Pertinent only to application of chemicals to water and to non-crop areas. See Statute

10—Growers and sellers

* The federal government exercises some control over use of pesticides by requiring agricultural aircraft operators to obtain certificates when engaged in spraying economic poisons. Certification is awarded by the FAA only when certain standards are met by the pilot. No pilot may, under these regulations, dispense an economic poison that is registered under FIRA (1) for a use other than that for which it is registered, (2) contrary to any safety instructions or use limitations on its label or (3) in violation of any federal law or regulation. These rules do not exempt the aerial applicator from more stringent state laws which may be in effect.