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Spike lasts longer than most other herbicides with fewer pounds per acre!

When applied in accordance with label directions, commercial field use has demonstrated that Spike remains effective longer than other products tested, preventing regrowth and permitting lower application rates in succeeding years.

Spike resists lateral movement!

Spike is non-volatile, control stays where it is needed instead of "shifting" into unwanted areas, enabling specific placement.

Spike gets many vines, brambles and woody plants!

More than 5 years of development, testing and commercial use have proven Spike's effectiveness against a wide spectrum of vegetation, especially the tough perennials, tenacious vines and so-called hard-to-control species, like mullein, pigweed, curley dock and kochia.

Spike gets many of the brush species the others leave behind!

The most persistent vegetation control problem is **brush**. Spike helps solve that problem almost any time of year.

Spike provides versatility and easy application!

Commercial use has demonstrated equal effectiveness for both of Spike's principal product forms...wetable powder for spray application, or granular for mechanical application.

Wherever weed and brush control is the problem...in storage yards, parking areas, tank yards, around buildings and warehouses, along road shoulders and railroad spurs...the ideal remedy is SPIKE. It **does** what it **promises**!

Order Spike from your Elanco Distributor today. Spike should be the **foundation** of your vegetation control program.



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FAIRWAY PHANTOM

Now you see it, now you don't. Suddenly it's gone... like a phantom. It's a Ditch Witch Modularmatic vehicle with vibratory plow, a rig that installs golf course irrigation systems without digging trenches.

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It pulls pipe and control wire underground in one simultaneous operation... leaving nothing but a thin slit in fine golf-course turf... and that quickly disappears.

No scars from trenching.

It places pipe as deep as 30 inches and is the fastest way to handle the job in a wide variety of soils.

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Vibratory plow modules are available for R30, R40, R65 and R100 vehicles from 30- to 100-HP-class. Or you can choose a Combo module for R30, R40 or R65 units, and have both vibratory plowing and trenching capabilities in a single unit.

Watch it work

Call your Ditch Witch dealer for a free demonstration. Or contact the Charles Machine Works, Inc., P.O. Box 66, Perry, Oklahoma 73077. TWX 910-830-6580. Call Toll Free (800) 654-6481.



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Positions available for aggressive young people qualified to handle the responsibility of heading a landscape construction and/or landscape maintenance crew. Openings in our Dallas, Houston, Oklahoma City offices. Good company benefits. Great opportunity to grow with a rapidly expanding company. Salary negotiable. Contact: Landscape Design & Construction, Inc., Maintain Incorporated; 2549-2559 Southwell, Dallas, Texas 75229.

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LEWIS TREE SERVICE is looking for qualified representatives. Several locations. We desire people with professional training and field experience. Any inquiry welcome. Send resume to Philip J. Brogan, Lewis Tree Service, Inc., 110 Pulaski Street, Syracuse, N.Y. 13204. 315 422-5163.

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WIRE STAPLES, 11 guage, 1000 per box, send \$21.00 per box, F.O.B., Annapolis, Maryland. Wm. H. Foster Landscaping Company, 10 N. Taylor Ave., Annapolis, Maryland 21401.

WAYNE THREE WHEEL streetsweeper model 1-980, four speed two range transmission, six cylinder Chrysler industrial engine, three yard capacity, asking \$3,000.00, call TRCT 609 443-1113.

JACOBSEN F20 tractor with blitzer mowers, 3 years old, excellent condition. Gem Sod Farms Ltd., R.R. 6, Edmonton, Canada T5B 4K3, 403 973-3311.

STUMP CUTTER, Vermeer 1560, good condition. Sheehan Tree Ser., 1944 Ridge Rd., W. Rochester, N.Y. 14626. 1 716 225-1850.

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SEMCO GRAVE DIGGING MACHINE. Used, in good condition. Buyer must provide one year warranty. Write Box 55136, Coon Rapids, Mn. 55433.

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WANTED TO BUY: Aerial baskets, 50 ft. minimum, used chippers, 12 in., used Bombardier equipment. Contact Glenn Bennett at O. T. Corp. 313 727-7558.

BECK BIG ROLL sod harvester, any condition. Call collect 716 343-2828.

USED CHIPPERS and stump grinders must be reasonable. Cooper Foster Tree Farm, 3190 Cooper Foster, Vermilion, Ohio 44089. 216 967-6750.

WANTED: Hydro seeder, 800 gallon or larger. Len K. Furma, 1305 Alabama, Ames, Iowa 50010. 515 292-3349.

AERIAL BUCKET in good condition. 332 N. 67th St., Milwaukee, Wisconsin 53213.

WANTED: Ryan Jr sod cutter. 201 363-8153 before 8 a.m.

EQUIPMENT FOR SALE

NEW PRINCETON TOW boy sod harvester, \$9,900.00. Jerry Bellini, 302 478-2660. Wilmington, DE.

MISCELLANEOUS

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LEARN LANDSCAPING and the Growing of Plants at home. Start a satisfying business or hobby. Free booklet. Lifetime Career Schools, Dept. A-602, 2251 Barry Avenue, Los Angeles, Ca. 90064.

Next month

Thatch as seen by turf specialists. Five major papers on this basic problem of turf maintenance.

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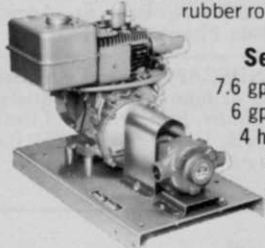
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Michigan State Students Honored at Conference



Gary Carls (left) received the Michigan Turfgrass Foundation's (MTF) Norman W. Kramer Outstanding Scholar Award. Carls is a two-year student at Michigan State University (MSU). **Patrick Klein** (center), also a two-year student at MSU received the MTF's Outstanding Student Award. **Thomas Smith** (right), received the Burt Bradshaw Outstanding Student Award. Smith is a four-year student at MSU.



Left: **Ron Juip** presents a check from the Michigan Sod Producers Association to **Gordon LaFontaine**, president of MTF, for support of turfgrass research at MSU. Below: **Alan Nielsen** (left) and **Steven Brown** (right) received the Upjohn Company Scholarship Awards from **Robert Yarborough**, the area sales representative. Nielsen is a two-year turf management student at MSU and Brown is a four-year student.



James Sparling, two-year turf management student at MSU, is presented with a GCSAA scholarship by **Ted Woehrl**, past president of that organization.





Before you do anything to your lawn this spring, the following should be of interest and great help:

NATURE'S METHOD produces THE GREEN MAGIC SYSTEM

TO REINFORCE WHAT YOU ALREADY KNOW...

1. Nature has a method and a rhythm that makes plants (lawns) grow healthfully & beautifully.
2. Man has a distinctive ability that quickly destroys Nature's positive responses. For instance, it is common knowledge that:
 - A. Chemical fertilizers create lush growth and make the plants more susceptible to infestations of insects, diseases and other undesirables — plus reduce the plants ability to withstand unfavorable weather and environmental conditions (heat, cold, drought, excessive wet spells, etc.)
 - B. Continual applications of chemicals and pesticides kill the beneficial soil bacteria that decompose Mat and Thatch which convert this accumulation into the necessary organic matter (humus) that builds a more productive soil. Stopping this natural beneficial process creates excessive Mat & Thatch accumulation that makes an ideal media for fungus disease and insect growth that quickly invade and weaken the grass.
 - C. Misapplications and applications of the wrong products destroy the soil, make the soil more compact, so compact that air, water and nutrients cannot penetrate, causing short shallow root growth of desirable grasses making the grass weak and unable to cope with undesirable conditions and unable to heal from the wounds.
 - D. The list is endless . . .

YOU CAN STOP THESE AND OTHER DESTRUCTIVE ACTIONS

by converting your operations into a more simplified and exacting program that will produce better and more beautiful results with the assistance of Nature.

Agro Chem's GREEN MAGIC SYSTEM is NATURAL and far more exact than anything you have done to date and anything that is currently available to you.

LEARN HOW YOU CAN BENEFIT FROM NATURE.

Call or write us today for complete literature and details of how you can start working with nature.

This program is ideal for Large and Small Lawn area Managers and is The Most Complete Program for companies offering lawn spray services to residential and commercial firms.

Programs and packages are available for all types of lawn areas. Dealerships are available for custom spray operators.



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AGRO CHEM'S Professional spray unit for the small area, and — it is expandable for the larger area.

The basic unit includes (as pictured)

- 1—Rectangular 300 gallon holding tank — 110 lbs. w/4" fill cap & man way
- 1—250' light weight pressure hose
- 1—Electric hose reel
- 1—Gas engine & special Pump
- 1—Lawn gun with assorted nozzels
- 1—Pressure regulator and bi-pass unit
- 1 each—Suction & Bi-pass hose
- 1—Root feeder



This basic spray rig is designed to fit in a pick-up truck, the tank situated between the rear wheel well and cab of truck. The motor, pump and hose reel on the right side leaving the remainder of the truck bed for other equipment and supplies.



Van pictured shows the basic spray unit in the van, leaving the entire rear area for storage of products.

As you will see, these sprayer units have been designed with a great deal of thought, research, and years of experience. They are designed and built by professionals, for professionals. For more details, either call or write Mr. Joseph.

This basic 300 gallon unit can be expanded to whatever size spray rig desired by simply adding more tanks — eliminates purchasing new equipment as business expands.

Pictured:
16' Flat bed truck carrying 5 — 300 gal. tanks + 1500 gals.
2 — 500' hose reels & ability to apply as many as 5 different products or any combination required.



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EVENTS

Spray Adjuvant Workshop, Hopkins Agricultural Chemical Co., Holiday Inn - West, Columbia, Mo., **April 1**. Phone: 608/222-0624.

Williamsburg Garden Symposium, Williamsburg Conference Center, Williamsburg, Vir., **Apr. 1-4**. Contact: Mrs. Peggy Sabol, Registrar, The Williamsburg Garden Symposium, P.O. Drawer C., Williamsburg, VA 23185, phone: 804/229-1000, ext. 2370.

Spray Adjuvant Workshop, Hopkins Agricultural Chemical Co., Holiday Inn, Burlington, Iowa, **April 2**. Phone 608/222-0624.

Municipal Tree Inspector Workshop, Grand Rapids, Mich., **April 4**. Contact: Agricultural Extension Service, University of Minnesota, St. Paul, MN 55108, 612/373-0725.

First Annual Meeting of the Lawn and Garden Manufacturers Association, Sheraton O'Hare Hotel, Chicago, **April 8-10**. Contact: Stuart Greenblatt, LAGMA, One Illinois Center, 111 E. Wacker Dr., Chicago, IL 60601, 312/644-6610.

33rd Annual Southeastern Turfgrass Conference, Georgia Coastal Plains Station and Rural Development Center, Tifton, Ga., **April 9-10**. Contact: Clara Wheeler, P.O. Box 748, Tifton, GA 31794.

Development of Recreation Areas Conference, Snowbird Village, Snowbird, Utah, **April 18-21**. Contact: The American Society of Civil Engineers, 345 47th St., New York, NY 10017, 212/644-7671.

Southern California Turf and Landscape Institute, Convention Center, Anaheim, **April 18-19**. Contact: Ed McNeill, 1000 Concha St., Altadena, CA 91001, 213/798-1715.

1979 Arizona Turfgrass Conference, Tucson, Ariz., **May 9-10**. Contact: Prof. William Kneebone, The University of Arizona, College of Agriculture, Department of Plant Sciences, Tucson, AR 85721.

A Symposium on Turfgrass Diseases, Ohio State University, OARDC, & Chemlawn Corp., University Holiday Inn, Columbus, Ohio, **May 15-17**. Write: A Symposium of Turfgrass Diseases 1979, 2865 E. Orange Rd., Galena, OH 43021, or phone: Dr. P. O. Larsen, 614/422-6987, or Dr. B. G. Joyner, 614/885-9588.

Western Chapter, International Society of Arboriculture, Rochelle's, Long Beach, Calif., **May 17-18**. Contact: E. C. Bundy, phone: 217/328-2032.

Texas A&M University Turfgrass Research Field Day, TAMU Turfgrass Field Lab, Agronomy Road, TAMU Campus, College Station, Tex., **May 24**. Contact: Dr. Richard Duble or James Beard, Department of Soil and Crop Sciences, Texas A&M University, College Station, TX 77843.

The current issue of WEEDS TREES & TURF carries meeting dates beginning with the following month. To insure that your event is included, please forward it, 90 days in advance, to: WEEDS TREES & TURF Events, 9800 Detroit Ave., Cleveland, OH 44102.

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