

Most utility vehicles are swell, provided your cargo fits perfectly in a four-foot box



Sides stay up for regular hauling.



Or fold down and remove for flatbed convenience.

at all times. A quick reality check tells us that's just not the case. We can help.

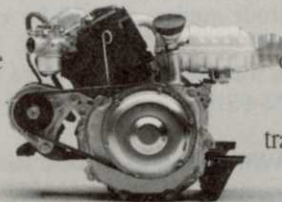
We've designed our

Yamahauler with real life in mind. That's why we made it a convertible. Its easily removable sides disappear in a scant 90



Yamahaulalotastuff.

seconds, giving you all the loading freedom of a flatbed. Or leave the sides on and fold down the tailgate. Or leave it all up. Or one side up and one side down. You get the idea. **All** conveniences aside, this is a lot more than a souped-up golf car. **Here's** proof: channel-over-tube frame design to support additional payload, stiffer coil springs and heavy-duty shocks for added durability, more dogs in the forward/reverse clutch and larger rear axle spline diameter for more reliable transmission, more rugged braking system for greater loads. **And** that's just a start. **The** heavy duty wrap-around, shock-mounted front steel bumper and Metton molded polymer front cowl give you extra protection against obstacles that might cross, or fall into, your path. And the frame-mounted trailer hitch lets you add even more haul to your Yamahauler. **So**, if you're looking for a utility vehicle you can truly utilize, go ahead and give us a call. We'll hook you up with a dealer who can get you better acquainted with the utility vehicle whose name says it all.



Our O.H.V. four-stroke engine is designed and built completely by Yamaha.

YAMAHA USA
Better in the long run.

For more information and your nearest dealer, call 1-800-852-6544 Ext. 145



© 1992 CIBA-GEIGY Corporation, Turf and Ornamental Products, Box 18300, Greensboro, NC 27419. Always read and follow label directions.

HOME TOPICS

INFO CENTER

Useful literature and videos for LM readers

MEDICAL LEAVE...The American Association of Nurserymen, in cooperation with the Small Business Legislative Council, has developed a guide to complying with the new Family and Medical Leave Act. The publication takes the employer through the step-by-step process of dealing with a leave request, and contains the full text of the law. Cost is \$20 for AAN members, \$40 for non-members, plus \$2.50 shipping and handling. To order, write AAN, 1250 I St., Suite 500, Washington, DC 20005 or phone (202) 789-2000.

ARBORICULTURAL LAW...The International Society of Arboriculture presents "Arboriculture and the Law" study guide to be used in conjunction with the textbook. The study guide uses case examples and refers readers back to the appropriate section of the text. Each study guide includes an answer sheet that can be returned to the ISA office; individuals with

44 out of 55 correct answers get 3 CEUs toward maintaining their certification. To order study guides, send \$2 for each to: ISA, P.O. Box GG, Savoy, IL 61874. MasterCard/Visa orders accepted via fax: (217) 355-9516.

DRAWING PLANS..."Basic Landscape Plan Drawing," a 60-minute VHS-format video tape, is available from Progress Products. Topics include: detailed materials list; quick-draw methods; symbol tricks to create a 3-D drawing; stylized lettering and more. Price is \$59.95 plus \$5 shipping and handling. Send check, Mastercard and Visa orders to Progress Products, 8652 W. Progress Dr., Littleton, CO 80123; or call (303) 973-1011.

EPA REGS CHECKLIST...RGF Environmental Systems has recently made available a *free* Environmental Self-Evaluating Compliance Questionnaire covering EPA regulations, including the new

stormwater runoff requirements. The questionnaire covers all potential golf course/turf environmental problem areas. For your copy, contact RGF Environmental Systems, 3875 Fiscal Ct., West Palm Beach, FL 33404; (800) 842-7771.

GREAT FOR CUSTOMERS..."How to Plant" is the perfect leave-behind booklet for customers of lawn care and landscape businesses. The guide, originally published in 1940, just sold its millionth copy. "How to Plant," a 3-1/2"x7" booklet, covers planting instructions for 21 kinds of trees, shrubs, bushes, fruits and vegetables. They can be customized with a logo or imprint on the cover.

For additional information and a free copy of the guide, phone (800) 473-0157.

SAFETY, SAFETY, SAFETY...Video Information System Training Associates (VISTA), offers the green industry video-based training programs and training sem-



THE WORST PART ISN'T
THAT SHE'S CALLED BACK
THREE TIMES, OR THAT
SHE PROBABLY WON'T RENEW.
THE WORST PART IS THAT
SHE'S GOT NEIGHBORS.

If she's calling you about grubs, fire ants, or mole crickets, you can bet her neighbors are hearing about you, too.

Makes you wish you'd used Triumph[®], doesn't it? You could have delivered up to 90% control in just 2 to 3 days. Too bad.

Bet you'll use Triumph first, next time.



COLLECTIONS

inars. The services are provided to trade associations, utility companies, municipalities, large contractors or combined groups of smaller contractors. Programs are tailored to meet specific customer requirements. For more information, write VISTA, 525 Milwaukee Ave., Burlington, WI 53105 or phone (414) 767-0695 or (800) 942-2886.

DIAGNOSING PROBLEMS...Green industry professionals now have a convenient new tool to help diagnose pest problems. "Lawnscape and Ornamentals: Problems and Solutions" is a quick reference guide to common insects, diseases and weeds that infest lawns. It is an illustrated, 43-page booklet that can be obtained from Chipco distributors and sales representatives.

PESTICIDE DIRECTORY...The 1993 edition of the "Pesticide Directory" is available now from Thomson Publications, P.O. Box 9335, Fresno, CA 93791. The 160-page book covers agricultural, horticultural, institutional, pest control, home & garden, and organic chemical manufacturers. Its price is \$49.95. For more information, or to order, phone (209) 435-2163.

ANOTHER CUSTOMER PERK...The Fertilizer Institute and the PLCAA have produced a brochure for lawn care customers that highlights the environmental benefits derived from popular fertilizer use. It is available from the PLCAA for shipping and handling costs only. "Healthy Turf, Healthy Earth" fits into a letter-sized envelope. For a free sample and information on ordering bulk quantities, send a self-addressed, stamped envelope to PLCAA, 1000 Johnson Ferry Rd., NE, Suite C-135, Marietta, GA 30068-2112.

MORE ON SAFETY...Aimed at employers and safety managers, Zee Medical now offers the Basic Safety Series video program. Included are topics such as forklift safety, electrical safety, eye care & safety and industrial ergonomics. Each program consists of a training manual, topic video, program outlines, tips on training meetings and scheduling forms, and an employee quiz. For more information and prices, write Zee Medical, P.O. Box 19527, Irvine, CA 92713; or phone (714) 252-9500.

ON SPORTS TURF...A new Sports Turf Maintenance Guide featuring tips from noted Kansas City groundskeepers George

and Chip Toma is available free from PBI/Gordon Corp. The 32-page booklet outlines specifications and suggestions for mowing, watering, fertilizing; weed, insect and disease control; seeding, sodding, thatch and clippings management. For your copy, request Sports Turf Guide from PBI/Gordon Corp., P.O. Box 4090, Kansas City, MO 64101.

TREE INJECTION...Tree Technology Systems has published a self-study manual covering its Arbor-X microinjection products. Pages are color codes for each section, bound in a loose-leaf notebook. Copies of the self-study manual can be purchased for \$25 from Tree Technology Systems, Inc., 1014 Rein Rd., Cheektowaga, NY 14225; (800) 622-3711.

PAVER INSTALLATION..."Building Inter-locking Concrete Pavements" is now on sale from the Concrete Paver Institute, 2302 Horse Pen Rd., Herndon, VA 22071-3406. The 100-page instructional manual is for contractors and vocational schools. Copies begin at \$30 each plus \$6 handling and shipping. For more information, phone the institute at (703) 713-1900 or fax inquiries to (703) 713-1910.

GREEN INDUSTRY SHOWCASE

Synthetic lubricants: the wave of the future?

by Mark A. Massoglia

■ Equipment maintenance can often be the determining factor in the success or failure of a landscape business.

A landscaper can't survive long without properly maintained equipment. And proper lubricant selection is the key element in any preventive maintenance program.

For decades, motor oils, two-cycle engine oils, gear lubricants and greases were made entirely from petroleum crude

oil. More recently, however, synthetic lubricants have proven to provide vehicles and equipment with superior protection and extended service life. They are a bona fide alternative to petroleum lubricants.

Advances in engine technology over recent years have decreased the tolerances between engine components, and as a result, lubricants are put under more stress than ever. Combining tighter tolerances with changing fuel quality has resulted in more low temperature congealing, thermal breakdown, accelerated car-

bon deposits in two-cycle engines; high temperature volatilization in four-cycle engines.

Although petroleum goes through a refining process to remove impurities, some residue remains. Synthetic oil bases, on the other hand, are made from the chemically-engineered reaction of materials to produce a compound with a stable molecular structure.

Advantages of synthetic lubricants:

- They provide a superior lubricating film that allows components to move freely without causing metal-to-metal contact.

- Power is increased because less energy is being exerted during the lubrication process.

- Synthetic lubricants contain no wax, providing components with near-instant protection in the critical moments immediately after start-up.

- They are more resistant to thermal breakdown caused by oxidation because they contain no impurities and are able to withstand extreme temperatures.

Business owners and maintenance managers would be wise to note the many advantages of synthetic lubricants. They provide superior performance and are formulated to meet the ever-increasing environmental regulations for off-road equipment.

Circle No. 191 on Reader Inquiry Card

—The author is a technical writer for Amsoil, Inc., Superior, Wisc.



Synthetic lubricants are formulated to meet the ever-increasing environmental regulations for off-road equipment.

PRODUCTS SHOWCASE

Fungicide label extends ornamental, turf control

Daconil 2787 flowable fungicide, from ISK Biotech, now extends to 55 damaging diseases on 78 species of broadleaf shrubs and trees—including conifers—as well as foliage plants and flowering plants and bulbs.

A recent review by the Environmental Protection Agency made the label extension possible.

In turf applications, Daconil 2787 fungicide is now labeled for control of algal scum, as well as a broader range of the fungal pathogens that cause dollar spot, brown patch, leaf spot, melting-out, brown blight

and other diseases.

ISK turf and specialty products sales manager, Jerry Pauley, says the label expansion is particularly important due to the growing threat of fungal resistance to single-site fungicides.

Circle No. 192 on Reader Inquiry Card

Perennial ryegrass matures early with dark green color

Fine Lawn Research, Inc. has released a new perennial ryegrass, Stallion Select.

Stallion Select (PS-1050p rated perennial ryegrass variety, is an early maturing variety with a dark green color. It is semi-dwarf, and produces a dense turf with

excellent mowing qualities.

Stallion Select is unique, says Fine Lawn, in that it has good resistance to rust, crown rust and leaf spot.

Quick establishment and compatibility with other perennial ryegrass varieties is considered a plus.

Other traits include:

- high levels of beneficial endophytes, at 94 percent or higher;

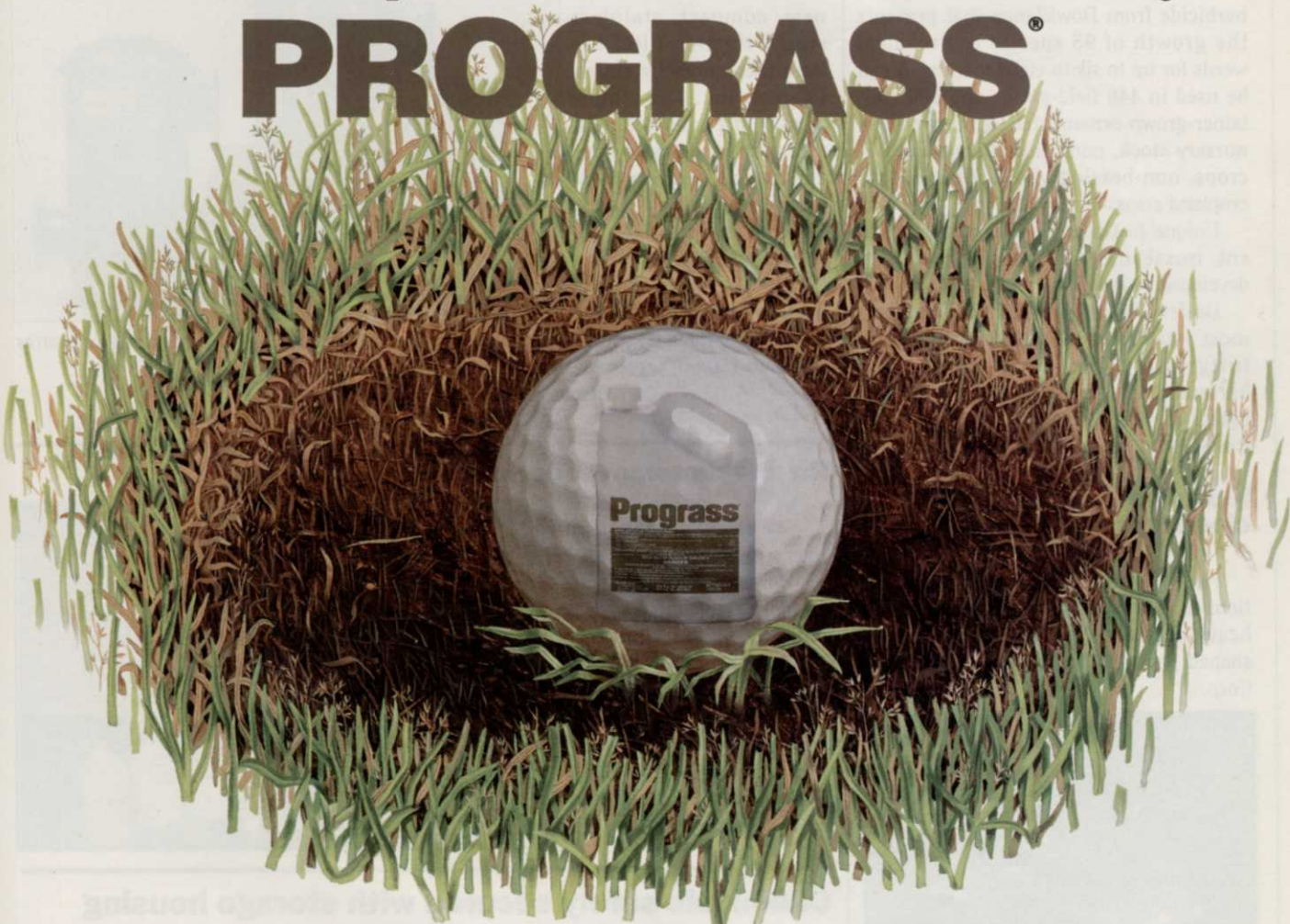
- good adaptation to cool-season climates. Stallion Select is suited for use in the south as an annual overseeding of Bermudagrass on lawns and golf courses (plant hardiness zones 2 through 10).

Circle No. 193 on Reader Inquiry Card

WHAT A LIE!

If *Poa annua* is causing you to make excuses for poor summer turf conditions try

PROGRASS[®]



You can depend on PROGRASS[®]. . . This advanced selective herbicide can be used both pre-emergence and post-emergence to control your *Poa annua* problem effectively.

We're so sure you'll like PROGRASS, and will find it easy to use, that we're offering you a challenge . . . the PROGRASS Challenge.

Simply fill out the handy reply card to receive full details on how you can challenge tough *Poa* and rid yourself of those summer excuses.



Specialty Products Division
A Schering Berlin Company

3509 Silverside Road, P.O. Box 7495, Wilmington, DE 19803

Name _____

Title _____

Golf course _____

Street _____

City _____ State _____ Zip _____

Circle No. 122 on Reader Inquiry Card

PRODUCT REVIEW

Control weeds for up to six, eight months

Gallery is a selective pre-emergence herbicide from DowElanco that prevents the growth of 95 species of broadleaf weeds for up to six to eight months. It can be used in 440 field-grown and 230 container-grown ornamentals, ground covers, nursery stock, non-bearing fruit and nut crops, non-bearing vineyards and non-cropland areas.

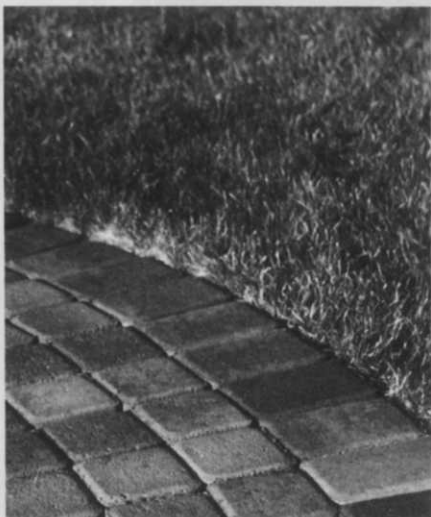
Unique to Gallery is its active ingredient, isoxaben, a new class of chemistry developed by DowElanco.

Gallery is recommended for use on most established cool and warm-season turfgrasses, including bahiagrass, bermudagrass, buffalograss, bentgrass, bluegrass, ryegrass and fescue.

Circle No. 193 on Reader Inquiry Card

Keep those paving lines clean with this product

Paver, asphalt and aggregate installations look better and last longer with new heavy-duty StructurEdge aluminum L-shaped paving restraints from PermaLoc Corp.



Five types of restraints are available from a variety of applications around patios, walkways, driveways, maintenance strips, athletic surfaces and natural trails. All readily form curves, radii and angles.

StructurEdge is anchored with 10-inch spiral steel spikes and is designed to receive spikes every six inches on center.

Circle No. 194 on Reader Inquiry Card

Irrigation filter simple, innovative and patented

The Thompson Filter, a new, compact, stainless steel irrigation filter has been introduced by Miller-Leaman Inc. The simple design offers an efficient alternative to expensive automatic filters, the manufacturer says.

Available in 2- to 10-inch sizes, the Thompson Filter operates on less horsepower. The filters can handle flow rates up to 2000 gpm and can be used with a manifold. Working pressures are up to 150 psi; screen meshes are available from sizes 30 to 50.

Circle No. 195 on Reader Inquiry Card

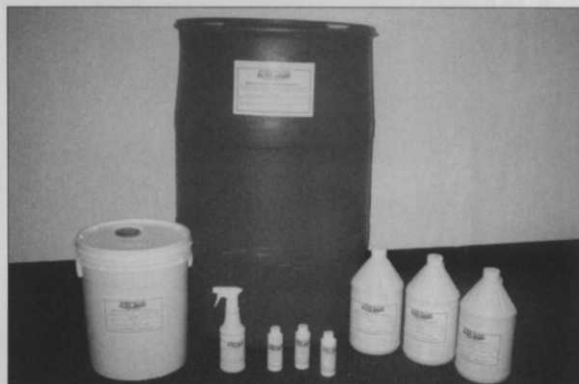


Rust stain remover perfect for landscapers

For any landscape contractor who must keep stucco, concrete, wood, stone, masonry and painted surfaces looking bright and new, Miracle Rust Away could help.

Miracle Rust Away contains no hydrochloric (muriatic) or phosphoric acid.

Circle No. 196 on Reader Inquiry Card



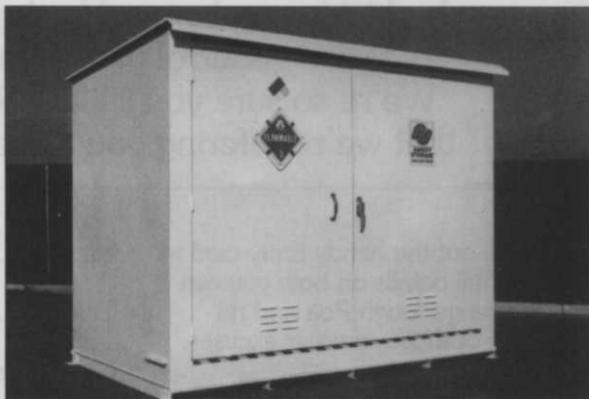
Chemicals safely secured with storage housing

Safety Storage's Model 10 is a prefabricated, movable steel building for storage and containment during mixing and dispensing of pesticides, fungicides, herbicides and flammable materials.

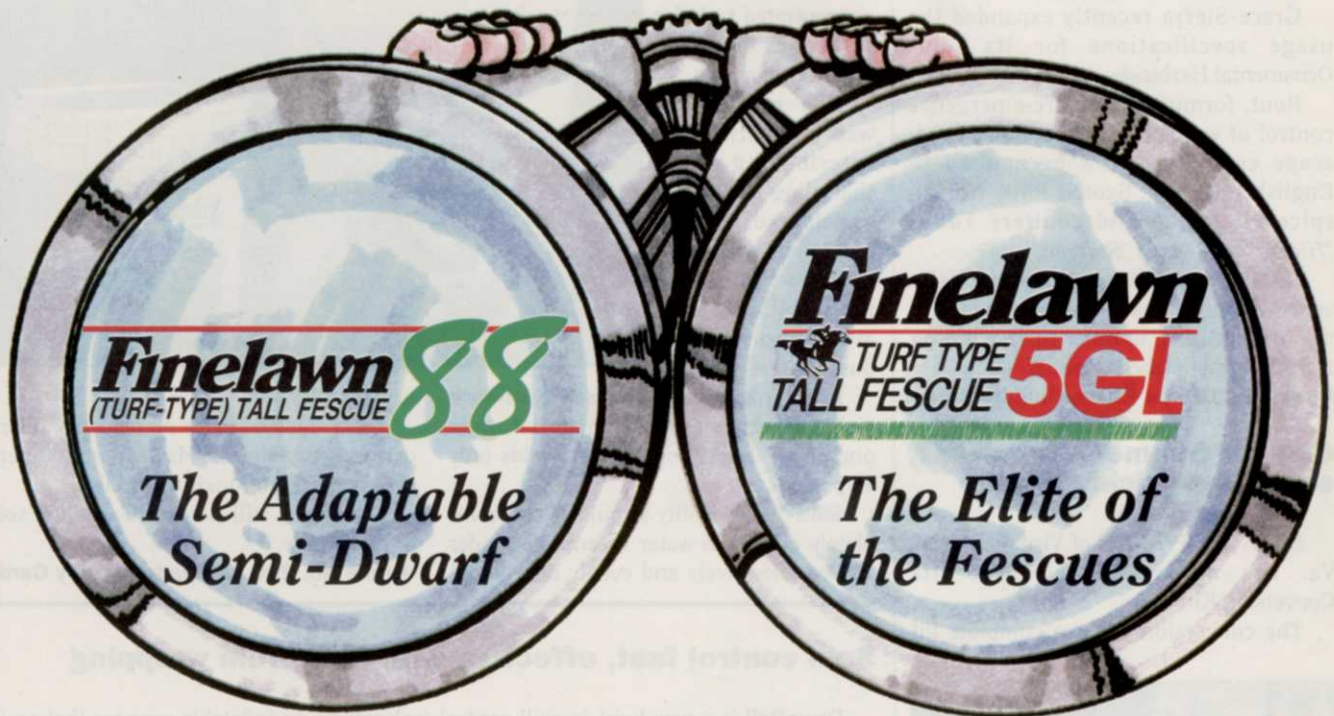
The buildings are 10 ft. long with up to 59 sq. ft. of floor space. A wide range of shelving and partitioning options permit convenient handling of all types of drums, buckets, bags, boxes and small containers.

A 222-gallon secondary containment sump, removable fiberglass floor grating and chemical resistant coating are standard.

Circle No. 197 on Reader Inquiry Card



Set Your Sights On These High Powered Performers From Fine Lawn Research.



Finelawn 88 Semi-Dwarf.

- True semi-dwarf low growth habit
- Tight dense turf
- Establishes quickly
- Extensive, deep root system
- Attractive dark green color
- Moderately fine leaf surface
- Excellent heat and drought tolerance
- Good disease resistance

Finelawn 5GL Tall Fescue.

- Outstanding heat and drought tolerance
- Excellent resistance to frost and winter freezes
- Grows well in shade
- Very good wear tolerance
- Exceptionally high summer density
- Low growth habit
- Superior resistance to leaf spot and brown patch
- Performs well under low maintenance conditions



Fine Lawn
RESEARCH, INC.

P. O. Box 1051 • Lake Oswego, OR 97034 • TEL: 503/636-2600 • FAX: 503/636-7020

Circle No. 107 on Reader Inquiry Card

SHOWCASE

PRODUCT REVIEW

Ornamental herbicide now labeled for five more plants

Grace-Sierra recently expanded the usage specifications for its Rout Ornamental Herbicide.

Rout, formulated for pre-emergence control of weeds in ornamental and landscape crops, can now be applied to English Boxwood, Scotch Pine, Korean spice viburnum and conifers *Taxus "Hicksii"* and *Taxus "Runyon."*

Common names for 41 previously-approved species have also been added to the product label, in order to ease grower identification of labeled species.

Circle No. 198 on Reader Inquiry Card

Convert trimmers to power scrubbers quickly, easily

Scrub-Rite Products of Virginia Beach, Va. has marketed the Scrub-Rite Conversion Kit.

The conversion Kit is a complete kit



which transforms commercial gasoline-powered grass trimmers into multi-purpose cleaning machines.

When combined with controlled, high rpm of a commercial grass trimmer, Scrub-Rite's customer-designed brushes can clean just about anything.

Circle No. 199 on Reader Inquiry Card

Tackifier keeps seed, fertilizer and soil in place

Silva-Tack is a concentrated tackifier that boosts the binding power of mulch.

The result is a web-like network of interlocking fibers that cling to the soil to hold seed, fertilizer and soil in place.

Silva-Tack stabilizes soil and sand and controls fugitive dust.

According to Weyerhaeuser, Silva-Tack yields 93 percent soluble material while one of its closest competitors yields only 45 percent.

Silva-Tack's ability to quickly and completely dissolve in water means the binder will be effectively and evenly distributed

to the mulch.

Silva-Tack contains no reducers, fillers or inert ingredients. Made from 100 percent natural, non-toxic materials,

Silva-Tack will not harm wildlife, soil or machinery.

Circle No. 200 on Reader Inquiry Card



Spill control fast, effective with new drum wrapping

DrumRoll is a new twist in spill control technology: an inflatable wrapper that seals leaks instantly till repairs can be made.

DrumRoll has an easily activated CO₂ cartridge that immediately inflates a Teflon-coated bladder to seal the leak.

Fast deployment lessens spill clean up and eliminates the need for tipping and pegging.

DrumRoll fits steel, plastic, and fiberboard 55-gallon drums.

It stops leaks up to seven x two inches and shuts down liquid and granular leaks.

DrumRoll offers companies a reusable training kit to reduce training cost.

Each training kit contains a rugged DrumRoll that can be used for up to 50 applications, 10 CO₂ cartridges a training video and manual.

A mounting bracket is also available and specification sheets available on request.



Circle No. 201 on Reader Inquiry Card

NAME _____
 TITLE _____
 FIRM _____
 ADDRESS _____
 CITY _____
 STATE _____ ZIP _____

TELEPHONE (_____) _____
 FAX NUMBER (_____) _____

HAVE A SALES REP CALL ME 18 (A)

101	118	135	152	169	186	203	220	237	254	271	288	305	322
102	119	136	153	170	187	204	221	238	255	272	289	306	323
103	120	137	154	171	188	205	222	239	256	273	290	307	324
104	121	138	155	172	189	206	223	240	257	274	291	308	325
105	122	139	156	173	190	207	224	241	258	275	292	309	326
106	123	140	157	174	191	208	225	242	259	276	293	310	327
107	124	141	158	175	192	209	226	243	260	277	294	311	328
108	125	142	159	176	193	210	227	244	261	278	295	312	329
109	126	143	160	177	194	211	228	245	262	279	296	313	330
110	127	144	161	178	195	212	229	246	263	280	297	314	331
111	128	145	162	179	196	213	230	247	264	281	298	315	332
112	129	146	163	180	197	214	231	248	265	282	299	316	333
113	130	147	164	181	198	215	232	249	266	283	300	317	334
114	131	148	165	182	199	216	233	250	267	284	301	318	335
115	132	149	166	183	200	217	234	251	268	285	302	319	336
116	133	150	167	184	201	218	235	252	269	286	303	320	337
117	134	151	168	185	202	219	236	253	270	287	304	321	338

NAME _____
 TITLE _____
 FIRM _____
 ADDRESS _____
 CITY _____
 STATE _____ ZIP _____

TELEPHONE (_____) _____
 FAX NUMBER (_____) _____

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101	118	135	152	169	186	203	220	237	254	271	288	305	322
102	119	136	153	170	187	204	221	238	255	272	289	306	323
103	120	137	154	171	188	205	222	239	256	273	290	307	324
104	121	138	155	172	189	206	223	240	257	274	291	308	325
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106	123	140	157	174	191	208	225	242	259	276	293	310	327
107	124	141	158	175	192	209	226	243	260	277	294	311	328
108	125	142	159	176	193	210	227	244	261	278	295	312	329
109	126	143	160	177	194	211	228	245	262	279	296	313	330
110	127	144	161	178	195	212	229	246	263	280	297	314	331
111	128	145	162	179	196	213	230	247	264	281	298	315	332
112	129	146	163	180	197	214	231	248	265	282	299	316	333
113	130	147	164	181	198	215	232	249	266	283	300	317	334
114	131	148	165	182	199	216	233	250	267	284	301	318	335
115	132	149	166	183	200	217	234	251	268	285	302	319	336
116	133	150	167	184	201	218	235	252	269	286	303	320	337
117	134	151	168	185	202	219	236	253	270	287	304	321	338

1. BUSINESS & INDUSTRY

MY PRIMARY BUSINESS AT THIS LOCATION IS:
 (PLEASE MARK ONLY ONE IN EITHER A, B OR C)

A. Landscaping/Ground Care at one of the following

- types of facilities:
 01 0005 Golf courses
 02 0010 Sports Complexes
 03 0015 Parks
 04 0025 Schools, colleges, & universities
 05 Other type of facility (please specify) _____

B. Contractors/Service Companies/Consultants:

- 06 0105 Landscape contractors (installation & maintenance)
 07 0110 Lawn care service companies
 08 0112 Custom chemical applicators
 09 0135 Extension agents/consultants for horticulture
 10 Other contractor or service (please specify) _____

C. Suppliers:

- 11 0205 Sod growers
 12 Other supplier (specify) _____

Which of the following best describes your title:
 (mark only one)

- 13 10 EXECUTIVE/ADMINISTRATOR
 14 20 MANAGER/SUPERINTENDENT
 15 30 GOVERNMENT OFFICIAL
 16 40 SPECIALIST
 17 50 OTHER TITLED AND NON-TITLED PERSONNEL (specify) _____

I would like to receive (continue receiving)
LANDSCAPE MANAGEMENT each month: YES NO

Your Signature: _____
 Date: _____



AUGUST 1993
 This card void
 after October 15, 1993

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I would like to receive (continue receiving)
LANDSCAPE MANAGEMENT each month: YES NO

Your Signature: _____
 Date: _____



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POSTAGE WILL BE PAID BY ADDRESSEE

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