While nobody was looking, Fairmont developed a Limb Lopper power pack that lets you trim branches quietly without being tied to your truck.

A hundred feet or a hundred yards. Distances no longer matter with the quiet, self-contained mobile hydraulic power pack from Fairmont. This compact, highly portable unit weighs just 53 pounds. It supplements the hydraulic outlets on your truck to let you do ground and ladder trimming beyond your truck's normal 25-foot hose limit. Best of all, it works with the tools that you're already using in your basket.

The practical benefits of Limb Lopper's mobile power pack are obvious. No longer do you have to equip each truck with manual and gasoline-powered tools for jobs that a basket can't reach. One set of quiet, efficient hydraulic tools takes care of every tree-trimming job.

Many of the big commercial tree-trimming companies have already switched to Limb Lopper chain saws, circular saws, and shade-tree pruners. It's easy for you to do the same. Just phone or visit your nearest member of Fairmont's trained, dependable Limb Lopper dealer network. Or write: Fairmont Hydraulics, a division of Fairmont Railway Motors, Bldg. B, Suite 408, 800 Roosevelt Road, Glen Ellyn, IL 60137. Phone (312) 790-1690.

Circle No. 111 on Reader Inquiry Card
The pros chose SHADOW

"As professional lawn care specialists, we want our customers’ lawns to advertise for us. One of the major problems we find in many of our customers’ lawns is stressed areas under and around shade trees. We formulated our Prograss lawn overseeding mix to remedy these difficulties. For our shade mix we chose 90 percent Shadow Chewings Fescue and 10 percent A-34 bluegrass. We see exceptional results when proper overseeding procedures are followed. Shadow makes us look good, too."

Mike Erb
Prograss Lawn Service
Field Representative and licensed applicator.

Shadow is a new variety of Chewings type fine fescue developed for improved shade tolerance and resistance to powdery mildew. Breeding for these attributes was a long and tedious job, but the results were better, stronger turf than the old line fescues. Insist on the seed the pros choose for your shade mix.

"The hottest shade tolerant fine fescue under the sun"

Marketed by

Turf-Seed, Inc.
P.O. Box 250, Hubbard, OR 97032
503/981-9571 TWX 510-590-0957

The Research, Production, Marketing Company
18 LANDSCAPE MANAGEMENT ON A LARGE SCALE
Disneyland's 76 acres provide daily challenges for a landscape management crew of 45.

24 A FERTILIZATION GUIDE
WT&T's annual report on turf, tree, and ornamental fertilization by Richard Rathjens and Roger Funk of Davey Tree.

40 ALTERNATIVE TURFGRASSES
All turf can't be Kentucky bluegrass especially in areas with little rainfall. A look at some grasses that provide a choice.

48 IDYLLIC INVERNESS
Host of this year's PGA Championship, Toledo's Inverness Club is maintained with a 'light and frequent' management program.

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Cover courtesy of Walt Disney Productions.
The PE Series Valves

When the specs call for the ultimate in performance and durability, call on Rain Bird's new PE Series valves. These new 1", 1½" and 2" model valves offer the strength and security of brass at the price of plastic. Made of heavy-duty, corrosion-resistant plastic, the PE Series features low pressure loss design and an industry-high operating pressure rating of 200 psi.

And, all PE Series valves are available with an optional pressure-regulating module for energy efficient operation and uniform water distribution. From Rain Bird, the premier name in brass valves, comes plastic valves to be proud of—the PE Series.

For more information write:
Rain Bird Sales, Inc., Turf Division, 145 N. Grand Ave., Glendora, CA 91740

Circle No. 137 on Reader Inquiry Card
WHEN YOU RENOVATE WITH ROUNDUP®, YOU CAN GET BETTER RESULTS, MORE SATISFIED CUSTOMERS, MORE BUSINESS.

Look at it this way; if you can deliver a service that will make a lawn go from spotty to spectacular every time out, you can’t help but add to your business. Your work will speak for itself.

With a renovation using Roundup® herbicide, you can deliver that quality of service. Because nothing prepares the ground better. Roundup gets rid of old turf, weeds and all, roots and all—so it won’t grow back. That helps the new lawn get off to the cleanest, best start possible. The result: a lush, dense, weed-free lawn.

What’s more, Roundup is environmentally sound. It’s biodegradable and essentially non-toxic to people, pets and wildlife. It won’t wash or leach in the soil. So you can spray over root zones of desirable vegetation.

FIRST-CLASS RESULTS ARE AS EASY AS ONE-TWO-THREE.

One: Spray unwanted areas with a 2% solution of Roundup. Wait 7 days for old turf and weeds to die.
Two: Prepare for reseeding. Dethatch, if necessary, then core, vertical mow or spike to assure good seed-to-soil contact. Level and rake.
Three: Re-seed and water.

When that weed-free, healthy new turf comes up, your customers and all their neighbors will see the difference Roundup can make. You can see a difference, too—on your bottom line. Because higher quality renovations can command higher fees.

Better lawns, more satisfied customers, more referrals, bigger profits; any way you look at it, renovating with Roundup is the sure sign of a smart businessman.

FOR YOUR FREE LAWN RENOVATION GUIDE WITH ROUNDUP, CALL TOLL-FREE 1-800-225-1212 ext. 259. IN NE CALL 1-800-343-4300 ext. 259.

Circle No. 128 on Reader Inquiry Card
1986 seed crop gets mixed reviews

The seed harvest is progressing with alacrity in the Wilamette Valley region of western Oregon, where 60 percent of the world's grass seed is grown, and also in western Washington, and northern Idaho. The bottom line on seed availability for late 1986 and early 1987: it's a guessing game until the crop is harvested and cleaned. After harvests are completed this month, seed availability (and price) should be more clear.

Here's a smattering of opinions from seed people about this year's crop:

**Harry Stalford, International Seed:** "The crop looks pretty good. If we get good weather the next three weeks (the last week of June and first two of July) we'll be in good shape."

**Bill Rose, Turf-Seed:** "The ryes are off in production due to a dry spring, perhaps 20 percent off. The tall fescues weren't hurt as bad, maybe 10 percent off. Bluegrass look like a good crop. The bentgrass looks excellent, as good as I've ever seen them. The fine fescues are drastically off, maybe 40 percent."

**Mike McCarthy, E.F. Burlingham & Sons:** "The fine fescues may be a short crop, the bluegrasses may be short, the ryes are yet to be seen, and the tall fescues look moderately good though some say it may be a little short."

**Doyle Jacklin, Jacklin Seed** (the company's seed is grown in Idaho, Oregon, and Washington): "The Kentucky blue proprieties look good on irrigated land. The common Kentucky blue looks below normal because we've had some hot days south of here (Post Falls, Idaho). The perennial ryegrasses in the Wilamette Valley look excellent. Fine fescues look poor."

**Jerry Pepin, Pickseed West:** "We are fairly encouraged by the crop. The tall fescues look good—demand keeps going up. We should have at least an average crop of perennial rye. Overall, I think yields will be average, maybe better."

Pepin and Pickseed West have developed Bronco Kentucky bluegrass, for mixing with the turf type tall fescues. Bronco should be available by early September.

Report says pesticide market flat

The size of the $5 billion agricultural chemical market should remain constant through the end of the decade, according to "The U.S. Pesticide Industry in Transition," a news analysis prepared by Frost & Sullivan of New York.

The 273-page report notes virtually all planters who might use agricultural chemicals are already using them. Therefore, an increase in acreage would be necessary for increased usage. The report says there could be a reduction in acreage because of foreign demand reductions or supply increases, major breakthroughs in agricultural productivity, and further declines in American consumption of meat, which is a relatively expensive food in terms of planted acreage support required.

For more information, contact Frost & Sullivan Inc., 106 Fulton St., New York, NY 10038. (212) 233-1080.
Frank J. McDonald, Director of Marketing
Cushman Division, Outboard Marine Corporation
Lincoln, Nebraska

CUSHMAN

"Take the new 22-horsepower Cushman Front Line test-cut and we will send you a free solid brass belt buckle that proves our point."
Frank J. McDonald

Test-cut the improved Cushman Front Line, and you'll see why this mower is built to last.

There's no obligation, and you'll receive a free, limited edition, solid brass belt buckle.

Cushman engineers gave the Front Line a full 22-horsepower to get you through your tallest grass and toughest mowing conditions.

Engineered and built to last. That's why we stand behind the performance and durability of every Front Line mower with a 2-year warranty.*

So save some of your toughest mowing for the Front Line, then call your Cushman Front Line dealer to arrange for your test-cut. But hurry, this offer ends August 31, 1986.

For more information on the Cushman Front Line write:

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68501. Or call toll-free:
1-800-228-4444
*Ask your dealer for details.

"OUR REPUTATION IS BUILT TO LAST"

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LAWN CARE

Lawn care media scare: the industry strikes back

In March, the magazine Home Mechanix ran an article entitled "The Lawn Care Scare," focusing on the problems with chemical lawn care services. The article raised a question of accuracy among lawn care professionals, who responded with their side of the issue.

For example, Bob Styduhar, environmental counsel for ChemLawn Services Corp. in Columbus, Ohio, wrote this: "The article 'The Lawn Care Scare' by Sherry Romeo is inaccurate in both tone and content. It specifically criticizes ChemLawn for not requiring its employees to wear protective clothing while spraying lawns. Such equipment is appropriate and required by law only when handling certain products in concentrated form but not for the dilute, water-based solutions used in spraying lawns...

"We also take issue with the statement in your article regarding the appropriate re-entry period after a lawn has been sprayed. Re-entry periods for products appear on product labels. A few products used by ChemLawn carry a label recommendation to keep off the lawn until the dilute material dries. It is our experience that materials dry within 30 minutes to two hours after application, depending upon temperature and humidity..."

Jim Brooks, executive vice president of the Professional Lawn Care Association of America, wrote this: "Why attack professional lawn care services when we're among the leaders in environmental protection? Members strongly advocate safety, adherence to manufacturer's recommendations, and observance of state and U.S. Environmental Protection Agency regulations. Why say there are no controls? Professionals are so well-trained and closely regulated that we are the ideal way for home-

owners to avoid problems...

"The record shows that through years of careful service, PLCAA members and other lawn care professionals have earned the trust of approximately 8 million residential customers, and about 1.5 million more join every year for the service. Why did you spotlight the risks without saying professionals recognize the risks and weigh those risks realistically? Authoritative health and regulatory officials say there's no threat to humans, pets or the environment from the general use of chemicals that professionals apply to lawns in diluted amounts. After all, these are the same chemicals homeowners are allowed to buy and apply themselves without supervision...

"Finally, why did you advise readers to learn more about lawn chemicals mainly from activist groups? You could have referred them to their state university extension service, their state pesticide regulatory agency, the federal EPA in Washington D.C., or their regional EPA office and the PLCAA."

Barry Eldridge of Spring Valley, N.Y. wrote: ..."Some of the information presented was irrelevant and, in one instance, redundant. Neither Abate nor Vapona (of DDVP) is a lawn care chemical. With respect to the relationship of 2,4-D to Agent Orange, I offer this analogy. Two products that share a common ingredient do not necessarily share the same properties: sodium is a component of table salt and of the pesticide sodium arsenate. Finally, on contamination of ground water by nitrates, the author failed to link the problem to the application of fertilizer rather than to pesticides."

TURFSEED

Agronomist suggests using coated seeds in hot weather

Turfseeds coated with a fungicide will generally not contract pythium blight, even if planted during the hottest part of the year, according to Dr. Bruce Clarke of Rutgers University.

"When establishing seed in the summer, a fungicide treatment on the seed at a very low rate will help prevent damping off in the seed stage and will prevent pythium after the seed emerges," Clarke said at the 10th annual Lofts Field Day this summer.

Apron is the only fungicide that should be used to treat turfseed.

"Apron is a powder," Clark noted. "You put it on dry to the seed and it adheres. Apron will give two to three weeks protection against pythium."

However, Clarke said, "cool, dry weather is the best fungicide."
For fastest response, use the peel-off label from the front cover.

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<thead>
<tr>
<th>NAME</th>
<th>TITLE</th>
<th>PLACE COVER LABEL HERE</th>
<th>PRINT PHONE NUMBER BELOW</th>
<th>CITY</th>
<th>STATE</th>
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**A. LANDSCAPING/GROUND CARE AT ONE OF THE FOLLOWING TYPES OF FACILITIES:**
- 0005 Golf courses
- 0010 Sport complexes
- 0015 Parks
- 0020 Rights-of-way maintenance for highways, railroads & utilities
- 0025 Schools, colleges & universities
- 0030 Industrial & office parks/plants
- 0045 Condominiums/apartments/housing developments/hotels/resorts
- 0050 Cemeteries/memorial gardens
- 0060 Military installations & prisons
- 0065 Airports
- 0070 Multiple government/municipal facilities
- Other type of facility (please specify)

**B. CONTRACTORS/SERVICE COMPANIES/CONSULTANTS:**
- 0105 Landscape contractors (installation & maintenance)
- 0110 Lawn care service companies
- 0125 Landscape architects
- 0135 Extension agents/consultants for horticulture
- Other contractor or service (please specify)

**C. SUPPLIERS:**
- 0205 Sod growers
- 0210 Dealers, Distributors
- Other supplier (please specify)

Approximately how many acres of vegetation do you maintain or manage?

What is your title? (please specify)

I would like to receive (continue receiving) WEEDS TREES & TURF each month: YES ☐ NO ☐

Your Signature: ______________________ Date: ______