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eradicates the
ten key fungus diseases.**

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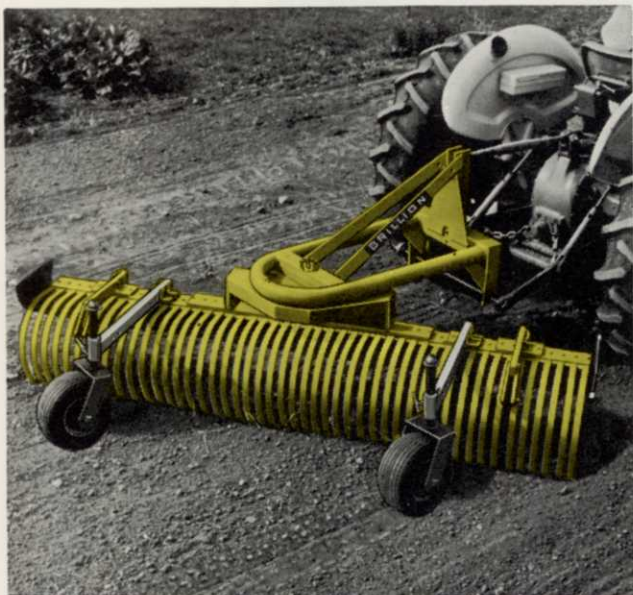


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Anahiem Mayor Jack Dutton (l) watches as one of 52 trees is boxed for removal to city parks. Jori Cervantes adds final strapping to an Indian Laurel. Another 55 trees will be saved from two other road widening projects.

Anahiem Acts To Save 100 Trees

Environmental conservation and street improvement projects often meet head-on. The City of Anahiem is engaged in a program which is destined to avoid this drastic clash.

A case in point is a one-mile stretch of Ball Road, slated for alignment, new curbs, gutters and sidewalks. Presently 21,000 cars travel daily on the section and within 10 years, traffic is expected to increase to nearly 30,000 autos each day.

However, widening and aligning the street would result in the loss of 52 trees—palms, cedar, Indian laurel, carrot woods and purple leaf plum.

Anahiem Beautiful, a local group of citizens, heard of the plight of the trees and made a suggestion. The local parks and recreation department latched onto the idea and approached the city fathers. About \$12,000 from the contingency fund was allocated by the City Council last December to allow the relocation of the trees to various city parks.

"Most of the trees are fairly large, but in early stages of development," said Thornton Piersall, director of public works. "A few will have to be cut down, due to excessive tree topplings, sickness or the probability that they will not survive transplanting efforts."

The result of the project will find 15 new trees at Maxwell Park, 12 will be planted at Manzanita Park (which is still under construction), Chaparral Park will receive eight, and another 10 trees will go to enhance the banks of Anahiem Lake.

The average cost for relocating the trees is about \$416 per tree, Piersall noted. The removal and boxing of the trees were part of the bid for the road work, he continued, under the supervision of parks department personnel. Most of the work has been handled by sub-contractors.

The program has met with such favorable community response, that a second road project is slated for similar efforts. Another 55 trees will go to Brookhurst Park and Stoddard Park from street widening projects on Magnolia and La Palma Avenue.

These trees include evergreen magnolias, Mexican fan palms and California fan palms.

Reel winners.

No matter if you want to mow a field or a fairway, Dan Boyd of Boyd Distributing Co., Inc. in Denver can get you into the kind of equipment you need to do the job best.

Just like the rest of us Jacobsen Distributors, Dan has made it a point to know more than enough about turf care to be pretty expert at it.

That's one of the reasons he carries Jacobsen gang mowing equipment. He knows, for example, that your mowing area will dictate the number of gangs, the type of reels, the right kind of wheels, the height of cut, the

fineness of cut, and the speed at which you want to get your mowing done. Because of his complete line to choose from he's able to sell you what you need rather than just what he's got.

To be specific, Jacobsen Fairway gang mowers give you a choice of three different wheel styles (steel semi-pneumatic and pneumatic); six-blade standard or 10-blade high-frequency units for carpet-smooth cuts. And 3, 5, 7, 9, 11, or 13-gang combinations, with adjustable cutting heights ranging from $\frac{3}{8}$ " to $3\frac{1}{2}$ "

For Blitzer applications in other than fine turf areas, you

have the same choice of wheels. You get bigger 10" reels with either four or five blade units; 3, 5, 7, 9, and 11-gang combinations that mow up to a 25'10" swath. And cutting heights of 1" to $3\frac{1}{2}$ "

In all cases, the sealed housing design means you only have to lubricate just once a year. What could be easier?

There are many more features you'll want to know about. Contact your Jacobsen Distributor about your gang mowing problems.

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WSSA REPORT (from page 28)

ing of transplanted Kentucky bluegrass sod. He found that herbicides applied closer to the time of sod lifting caused greater root inhibition. Silvex and combinations containing silvex caused greater root inhibition than mecoprop, Banvel D or 2,4-D alone or in combination.

Does vitamin C help in the uptake of phenoxy herbicides? According to J. R. Baur of Texas A&M University it does. When combined with 2,4-D

and 2,4,5-T in the herbicide solution, it increased the uptake of the herbicide in mesquite leaflets in the laboratory. Why? He's not exactly sure, but he suggests that it is possibly a metabolic process.

Delegates showed much interest in a speech on aquatic weed control by Harold Brown, Southeastern Helicopter Services, Inc., Fort Pierce, Fla.

"Every person involved in aquatic weed control faces the same dilemma," he said. "We used to have about 20 compounds to work with in controlling aquatic weeds. Since the signing of the Federal Environmental Pesticide Control Act, we have only two or three compounds left. They are the only ones with a Federal label.

"The only aquatic herbicide that has been granted a residue tolerance in citrus is 2,4-D . . . Some of the producers of herbicides have been sitting on their hands," he said.

Brown outlined what use to be his weed control program for the audience. For floating weeds—Water Hyacinth — he's been using 2,4-D, Diquat and Amitrol. For alligatorweed, he reports that 2,4,5-T has been doing a superior job. In controlling emerged species he relies on 2,4-D and Casoron. Submerged weeds such as hydrilla, southern naiad, coontail and chara are controlled with Hideout, Mariner E and copper sulfate.

Ditchbank grasses — marginal weeds—can be controlled with Dalpon, says Brown. "We don't want to eradicate, only hold back growth. Monuron (Telvar) and diuron (Karmex) are also good materials."

The WSSA this year named four men to become Fellows of the Society. They are: Drs. G. C. Klingman, Elance Products Co., E. K. Alban, Ohio State University, W. R. Furtick, Oregon State University and R. Behrens, University of Minnesota.

Winners in the award program are: J. L. Hilton, USDA, for the outstanding research paper; F. W. Slife, University of Illinois; for the outstanding teachers award; E. P. Sylvester, Iowa State University, for the outstanding extension award; and, D. E. Moreland North Carolina State University, for the outstanding research award.

New officers for this year are: Dr. Earl G. Rodgers, University of Florida, president; Dr. Elery L. Knake, University of Illinois, president-elect; C. R. Swanson, USDA agricultural research service, vice-president; and R. D. Ilnicki, Rutgers University, secretary. □

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COMMERCIAL TREE and Landscape Professionals, the growth potential is here! We need your experienced help—now! Needed: Tree Dispatch Superintendent—Central N.Y., with 5 years experience. Needed: Tree Sales Representative—Central N.Y., with 1 or more years experience. Needed: Tree Sales Representative—Western N.Y., with 5 years experience and management ability or experience. Needed: Landscape Design & Sales Representative—with 5 years experience. Write: K. A. Knox or F. R. Micha, Monroe Tree & Landscape, Inc., 225 Ballantyne Road, Rochester, New York 14623. Salary—best in the business, if you qualify. Company car furnished—full time. Unique Commission Plan—in addition to salary. Paid Hospitalization & Pension. We will help you re-locate. We need your talents in our growth plans. Write today!

LAWN and TREE SERVICE. Do you have a college degree in forestry or Agronomy or Urban Turfcare? Do you have 5 years or more practical experience? Are you commercially oriented? Can you manage market, sell, organize, plan and direct a large service organization? Do you honestly feel you should be earning more? Then you may be just the person we need. Profit Sharing—all employee benefits and best of all a share of profits as a minority owner. Our employees know of this ad. An equal opportunity employer. If you wish, send resume and photo to: Lawn & Tree Care Service, c/o 646 Dickinson, Memphis, Tenn. 38107.

LANDSCAPE PROJECT SUPERVISOR. Man experienced in handling equipment and men on landscaping projects. Will construct athletic fields, parks and lawns for municipalities, schools and corporations. Only those with superior qualifications will be considered. Excellent pay and fringe benefits. Send resume to Turfco Lawns, Inc., 1619 Bethlehem Pike, Flourtown, Pa. 19031.

Golf Course Sales

The nation's leading commercial turf products company has several openings for technical representatives to promote a special line of commercial turf products. Representatives will call on golf course superintendents as well as industrial and educational institutions. Applicants should have a BS degree or its equivalent in one of the agronomic sciences, plus have sales or practical experience in the turf industry. In addition to an excellent starting salary, commission and automobile, we offer a comprehensive benefit program at no cost to the employee.

Send resume in confidence to:
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ARE YOU READY to take over a well established tree department, run it like it was practically your own business without capitalization problems? If so, contact us soon. Our 45 years experience in this area gives you a solid foundation to work from. Heyser Landscaping, Inc., 400 North Park Avenue, Norristown, Penna. 19401. Phone 215 539-6090.

GARDEN CENTER MANAGERS. Expanding business, wants four people with selling and management ability. Excellent starting salary and profit sharing. Horticulture background required. The ideal job for the person who wants to run his own show. Send resume to Island Gardens, 22 Northern Blvd., Greenvale, N.Y. 11548.

DISTRIBUTORS for D. J. Andrews, Inc. stump cutter teeth, pockets and bolts. Best wholesale and retail price in U.S.A. Add to this exclusive area, local advertising at our expense, etc., and you have our story. D. J. Andrews, Inc., 17 Silver St., Rochester, N.Y. 14611. Call 716 235-1230, or 716 436-1515.

LANDSCAPE DEPARTMENT MANAGER. We need a take-charge person to act as assistant to the president, and who can work into management of our landscape contracting/maintenance department. Good salary and profit sharing. Send resume to Island Gardens, 22 Northern Blvd., Greenvale, N.Y. 11548.

POSITIONS WANTED

CEMETERY SUPERINTENDENT or golf course assistant superintendent. B.S. degree in turf management from management from University of Massachusetts, also B.A. degree in mass communications. Experience in cemetery and golf course maintenance, also in forestry. Willing to relocate. Available May, 1973. Robert Keating, Jr., G-17 North Village Apts., Amherst, Mass. 01002.

WEED CONTROL—12 years experience with a major company. Experience in sales, operation and some management. This includes, railroads, and industry. Would prefer sales in the eastern part of the country. Box 99, Weeds Trees & Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

EDUCATION-BOOKS

LEARN AUTOMATIC IRRIGATION—Complete self-taught course and textbook on fundamentals. Design, operation, maintenance, installation, pipe, equipment. Latest developments in automatic turf and landscape irrigation. New Edition now only \$49.50 postpaid. California add tax. Send check, order or request for free outline. Larson Company, P.O. Box 4453, Santa Barbara, Calif. 93103.

SEEDS

CROWN VETCH SEED: Penngift and Chemung varieties. Direct all inquiries to: Walter C. Mehlenbacher, Castile, New York 14427. Phone 716 493-2553.

SOUTH DAKOTA-Kentucky Bluegrass seed, also Park, Nugget and Merion. Afton Seed Co., Winterset, Iowa 50273. Phone 515 462-1270.

SOD QUALITY MERION SEED for discriminating growers. Also Fylking, Delta, Park, Newport, Nugget and Pennstar bluegrasses as well as fine fescues. We will custom mix to your specifications. Michigan State Seed Company, Grand Ledge, Michigan 48837. Phone 517 627-2164.

MISCELLANEOUS

TREE APPRAISALS, SURVEYS, loss evaluations and expert consultation services. For names of members of the American Society of Consulting Arborists, Inc., throughout the country, contact: Executive Director ASCA, 12 Lakeview Ave., Milltown, New Jersey 08850.

FOR SALE

DOUBLE EDGE sod cutter blades. Will fit any Ryan sod cutter. Works like double edge razor blade. Cuts much more sod per blade. Made to bolt on both ways. \$24.00 plus postage. New automatic sod loaders for direct loading to pallets, trucks or trailers. No workers needed on ground. Both products developed and designed by Hadfield. Write or call Glen Hadfield, 4643 Sherwood, Oxford, Michigan 48051. Phone 313 628-2000.

THE GOLD ONES from D. J. Andrews, Inc. Stump cutter teeth, pockets, and bolts. Top quality and best price in the U.S.A. D. J. Andrews, Inc., 17 Silver St., Rochester, N.Y. 14611. Call 716 235-1230 or 716 436-1515.

ALL TYPES Landscape Stone-Boulders, Rough Flagging, pebbles, building stone, etc. (White and all colors.) Please contact us for estimate. Valley Forge Stone Co., RD3, Box 115, Fleetwood, Pa. 19522. Phone 215 944-7171, 215 779-7698 evenings.

PICKUP LOADING RAMP—Safety-cleated steel construction. Gives 6½ ft. slope, 3 ft. wide. Free brochure. Maple Valley Mfg. & Supply, Aurelia, Iowa 51005.

USED EQUIPMENT

RECONDITIONED brush chippers, sprayers, log splitters, stump routers, bucket trucks. Let us know your needs. Equipment Sales Company, 5620 Old Sunrise Highway, Massapequa, New York 11758. Phone 516 799-7619.

2—ASR—2 RYAN sod rollers, one used, one new, both priced to sell. Sharon Welding Co., 11674 U.S. 42, Cincinnati, Ohio 45241. Phone 769-4061.

TM-700 TREE MOVER, like new condition; manuals and extra parts. Parsons Tree Service, 5628 Maxine Court, Alexandria, Virginia 22310. Phone 703 971-3998.

VERMEER model 2460 stump cutter—will take model 6 in trade. Green Terrace Nursery, 3711 Fond DuLac Rd., Oshkosh, Wisconsin 54901. Phone 414 231-7660.

USED JOHN BEAN Rotomist sprayer, Model #100E, Serial #76605, trailer mounted and ready to go. Conrad's Irrigation, Inc., Box 526, Gaylord, Kansas 67638.

FOR SALE: Vermeer stump grinder #10, rebuilt engine, like new, \$2350.00. Phone 414 873-3390.

trimmings

CHEMICAL LABEL READABILITY has been questioned by the USDA and the Environmental Protection Agency. In a study conducted by the University of Illinois it was found that today's environmental protection chemical label is fairly difficult to read. In fact, it is suitable only for those with at least 10 to 12.9 years of formal education. It was reported that pesticide labels can be improved by changing type sizes, space between lines, color of print and background and type format. Lastly, the study concluded that the pesticide industry must take greater steps to make labels easier to decipher.

SOUTH DAKOTA RESEARCHERS have been busy sampling pesticide residues in wild ruminants (animals that chew the cud). They report traces of residues are widespread, but the levels are far below the Federal tolerances allowed for domestic livestock.

WHY DOES HERBICIDE performance vary? Dr. J. B. Weber of North Carolina State University reports that performance is tied into the reaction of the chemical with the various properties that make up a soil. All soil contain mixtures of sand, silt, clay, organic matter and other materials. One type of material generally predominates. He offers these rules of thumb on predicting herbicide behavior in soil:

1. Herbicides are more active on sands, or coarse textured soils. Increase the rate of herbicide as the texture of the soil becomes finer.
2. Herbicides are more active on mineral soils than on organic solid. As organic matter content increases in the soil, increase the rate of herbicide.
3. Volatile herbicides readily evaporate and must be incorporated in the soil to be effective.
4. Water soluble herbicides are more mobile and active in soils than insoluble ones. Use water soluble herbicides on mineral soils.

EPA'S RUCKELSHAUS has established policy for the protection and preservation of the Nation's wetlands. Just above everything that has non-flood waters covering it

for some period of a year is included. The policy is to minimize alterations in the quantity or quality of the natural flow of water, protect against additions or deletions of soil, solid waste, siltation, pesticides or toxic materials and prevent violation of water quality standards. No funds are to be granted for construction of municipal waste water treatment facilities which may interfere with the wetland ecosystem. The exception to this is where no other alternative or lesser environmental damage is found to be feasible. EPA will also consult with the Dept. of Interior in determining the probable impact of the pollution abatement program on fish and wildlife in the wetlands.

NORFOLK AND WESTERN RAILWAY is getting into the beautification business. In mid-March they planted 2,800 trees and seeded several embankments in the Norfolk, Va. area. Project was in cooperation with the Virginia division of forestry and the Virginia Dare soil and water conservation district.

Similar projects are being planned at several other locations across the 14 states served by the rail carrier.

SUPERWEED IS SPREADING. It's called *Kochia scoparia* or just plain cockia and it is one of the toughest, meanest and ugliest plants around. It can grow to a height of 10 feet along fences, although normal height is between three and four feet. It likes to live where there's plenty of salt, auto exhaust fumes, dust and cracks in concrete. And it is dispersed by large quantities of seed when the plants break loose in late fall and tumble in gusty winds. Here's another example of where weeds have adapted to man's environment.

GARY H. BAISE will continue as director of the Environmental Protection Agency's office of legislation, according to an announcement by William D. Ruckelshaus, EPA Administrator. He had been assistant to the administrator since 1970. Last January, a year ago, he was named director, office of legislation.

Stihl's Answer To Saw Safety

At least one major manufacturer of power saws is doing something about promoting safety among chain saw users. Stihl American, Inc. of Midland Park, N. J. has developed an unique safety chain brake that can stop a whirring chain instantly with no resultant damage. It provides safety in starting an engine, safety when cutting in the event of kickback, and safety when carrying.

Here's how the brake works. On most saws the chain begins to move when a centrifugal clutch engages with increased engine revolutions. At idle the clutch disengages and the chain stops.

Stihl's quickstop safety brake system features automatic disengagement of the clutch. Through the use of a hand guard, which actuates the system, the operator can deliberately stop the chain movement.

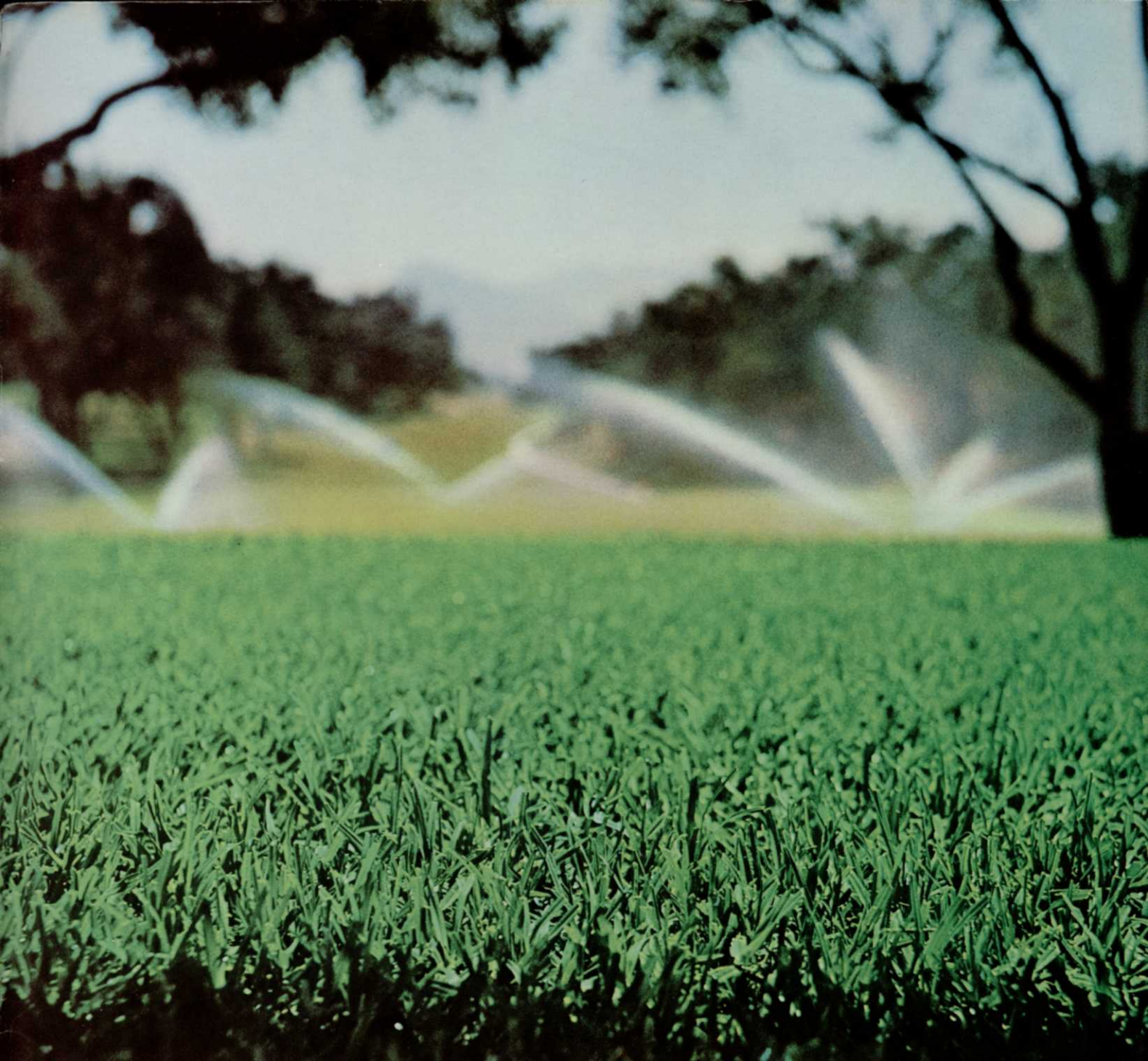
One quick push forward on the lever causes a cam located in the clutch cover to push a disk on the crankshaft slightly outward. This causes a steel pawl to release the disk and power between the engine and the chain is cut. A pre-tension brake engages the rim of the clutch drum and stops the chain. All this takes place instantly. The engine continues to run without stalling.

Broken down into fractions of a second the clutch disengages first. Then the brake is applied. Thus, with no power on the chain, minimum braking power is needed. It also means no stress on the crankshaft.

Pulling the lever back reverses the process. Brake is released, disk on the crankshaft is pushed back and steel pawl engages crankshaft with clutch. A built in safety feature requires the engine to be at idle speed before re-engagement of action on the chain.

This clever system can be used when starting the engine. Chain will not rotate even if the engine is at full throttle. Accidents from kickback are minimized by instantly stopping the chain. And for arborists in trees this feature adds an extra measure of safety in using a power saw. A chain that's not moving means less chance of accidental rope cuts.

Stihl says that the quickstop system will be available for most of their saws soon. It has also been designed to fit on existing professional models.



Look at it this way

Before selecting an automatic irrigation system, consider the viewpoint of a blade of grass. It wants to see enough water coming its way often enough to keep it healthy. How much and how often depends on such variables as growing conditions, sun and shade, height, temperature, and course contour. That's why the happiest sight a blade of grass can see is a member of Rain Bird's exclusive Golf Team (six full time golf irrigation experts) consulting with a Rain Bird installer and the superintendent—right on the course. It means the best irrigation plan, tailored to your course, carried out with the most reliable equipment. Ask anyone with a Rain Bird system. Ask any blade of grass.

RAIN BIRD
Glendora, California 91740