




Dacthal® W-75

Crabgrass and Poa annua never see the light of day.

 These unsightly pests can be controlled effectively with **DACTHAL® W-75 Turf herbicide**. Give desirable grasses room to grow and flourish. Grassy weeds . . . and many broadleaves . . . never come through the ground, because DACTHAL controls weed seeds as they germinate.

Golf course superintendents use DACTHAL on fairways and tees. DACTHAL is also used extensively on parks, industrial

and commercial lawns, and by turf-care contractors — anywhere professional turf management is practiced.

DACTHAL breaks down quickly . . . is not overly persistent in the soil. Tough on crabgrass, but nice to grass.

Don't let the sun rise on weed-infested turf. Use DACTHAL W-75.

Diamond Shamrock
AGRICULTURAL CHEMICALS DIVISION



MY THREE MEN FERTILIZED 700 TREES IN A DAY AND A HALF....



"My three men fertilized 700 trees in a day and a half with Jobe's Tree Food Spikes. I couldn't believe it . . . so I went around and checked behind them. Sure enough, they'd fertilized all 700 trees. Beautiful," says Richard Boehm, Superintendent, Military Golf Course, Wright-Patterson Air Force Base, Dayton, Ohio.

"I want to keep my trees growing strong and beautiful. That's why I used Jobe's Tree Food Spikes. I just couldn't believe that Jobes could save so much time but we did the entire course in a day and a half," concludes Dick Boehm.

"And you can see the difference they make. Similar trees were put in on the other side of the road. Ours are greener." confirms Boehm.

Jobe's Spikes can save just as much time for you. Each spike is a premeasured amount of the right combination of plant foods for trees and shrubs. This eliminates the chance for mistakes, while saving time and money. And they've proven effective in University tests.

Order direct or from your jobber-distributor. \$30 per case (105 spikes) for 5 cases; \$25 per case for 15 cases. Shipped pre-paid.

Jobe's MAKES TREE FEEDING EASIER
TREE FOOD SPIKES
INTERNATIONAL SPIKE, INC.,
462 EAST HIGH STREET
LEXINGTON, KENTUCKY 40508

WEEDS TREES & TURF®

July 1975, Vol. 14, No. 7

14 Buy A Chipper That Fits Your Needs — A quick scan of the chipper market can often be confusing and misleading to the first-time purchaser. But a basic knowledge of construction characteristics and your particular chipper needs, can result in an economic and long lasting purchase.

16 Association Profile — July is WEEDS TREES AND TURF's annual Tree and Ornamental Care emphasis issue. For a special insight into the tree care business, we interviewed Robert Felix, executive secretary, National Arborist Association.

18 Forklift Maintenance — As rugged as they may seem, rough terrain forklifts need a special brand of 'tender loving care'. Proper maintenance schedules insures a sound running machine and delivers the goods.

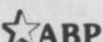

20 Anatomy of a Wound — City street trees are especially vulnerable to wounding. And any wound can open the way to the complex processes that cause decay within the living tree. Tree expert, Alex Shigo takes a look at the various forms of wounds and describes workable treatments.

32 Profitable Outlets for Wood Wastes — Woodchips, once a waste material, are now being given a second look by a variety of commercial interests. Many municipalities and industries are utilizing chippers to reduce their wood waste to valuable chips which are selling for \$15 to \$40 per ton.

38 What Role Do Trees Play In Cleansing the Air? — Bruce Roberts and Alden Townsend, U.S. Department of Agriculture, examine one detrimental side effect of the energy demand in this country — air pollution from increased use of coal. Their study examines the potential of a variety of trees to clean the air.

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THE COVER — Gratiot County Road Commission, Ithaca, Michigan, makes good use of a chipper as they clear a roadside of unwanted limbs, brush and other debris.

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This is the STIHL SG-17 Mist-Blower that Everyone is Talking About!

It blows, dusts and sprays dry and liquid chemicals, etc. to kill weeds and insects; to fight plant and tree diseases and to perform many related jobs in the garden, on the farm and in nurseries.

It has also proven very versatile for spraying at construction jobs, blowing leaves and debris in sport stadiums, parks and recreation

areas, in spraying cattle and dairy buildings and many new uses are being discovered every day.

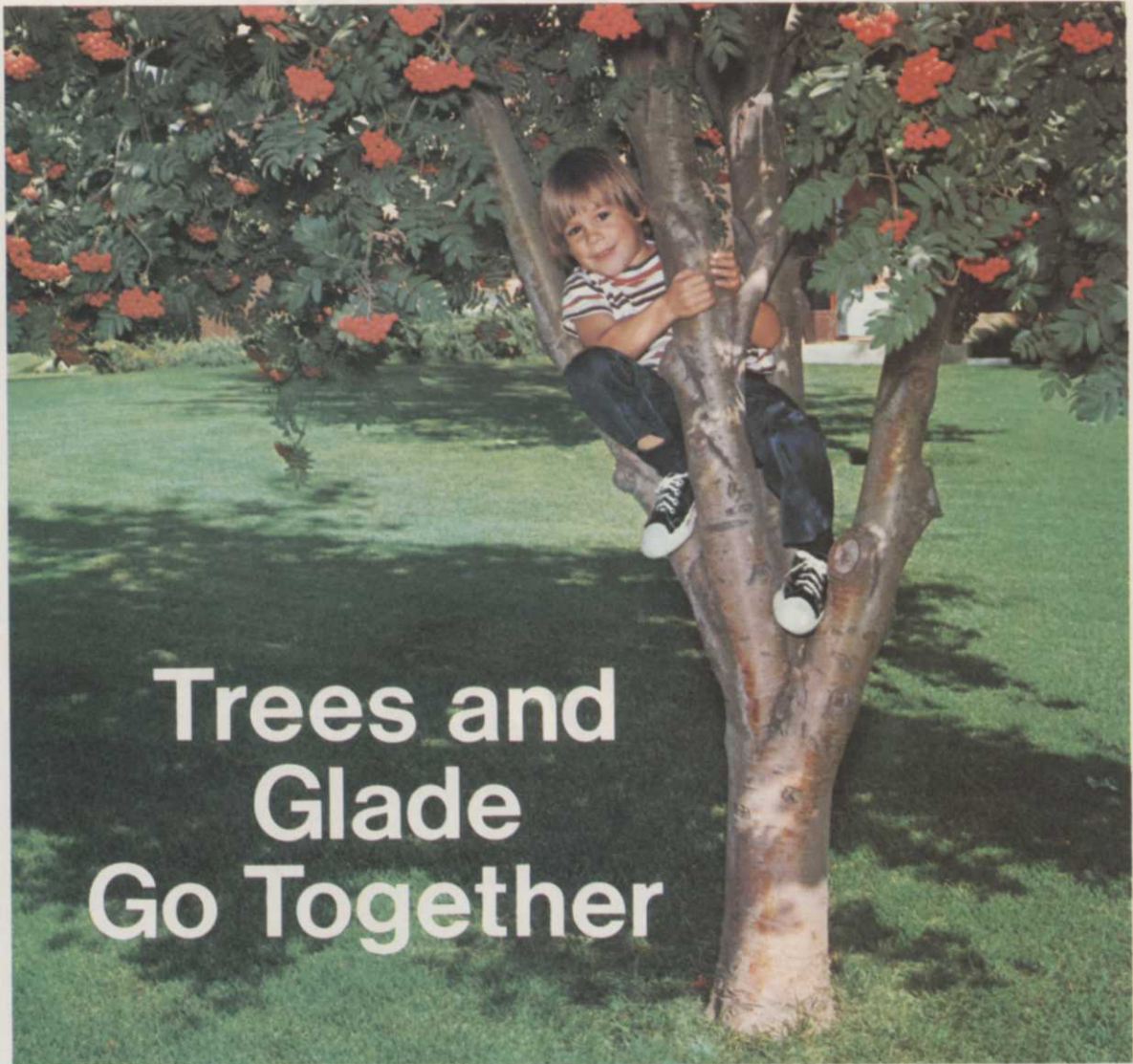
You'll be amazed at its perfect balance and ease of handling and also at its very, very easy price. See for yourself. It's a STIHL!

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Finest Chain Saws«**



STIHL AMERICAN, INC.

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Trees and Glade Go Together

A new natural team, Glade Kentucky bluegrass and trees! Glade performs well in moderate shade, especially when mixed with fine fescues. A selection from Rutgers University (tested as P-29), Glade is an improved, low-growing, medium to dark green grass with fine leaf texture and thick, rapid-growing rhizome and root system. Glade has good resistance to important turfgrass diseases including powdery mildew.

Like boys and trees, Glade and shade go together. Mixed with other elite bluegrasses and fine fescues in moderate shade, Glade is a natural.

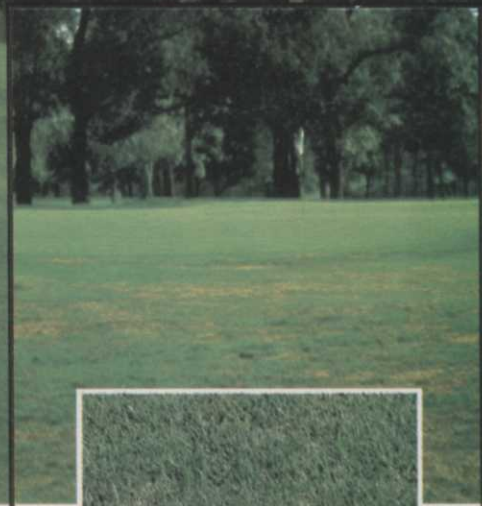
Get new Glade at local wholesale seed distributors.

Another fine product of Jacklin Seed Company

Glade
Glade

KENTUCKY BLUEGRASS

U. S. Plant Patent 3151



Beautiful turf is no accident. Make it happen with Acti-dione® 4-season disease control

The old saying that beauty is more than skin-deep is nowhere more applicable than on a golf course. Beautiful turf will not retain its beauty unless it remains healthy. In addition to normal wear and tear from golf play and stress from variable weather conditions, fungi are an ever-present health threat to turf. There's little you can do about golf play and weather, but you can control fungal diseases. An effective, economical way to combat fungal growth all year long is to use Acti-dione® Thiram and Acti-dione TGF® in a four-season disease control program. With fungi out of the way, turf has a better chance to grow strong and healthy — to resist weed infestation, to bounce back from injury and to survive adverse weather conditions. See your TUCO distributor today for complete information and assistance in planning a four-season disease control program with Acti-dione turf fungicides.

Dollar spot thrives on fall weather

The cooler days and nights that come with fall focus attention on dollar spot as an active threat to turf. Regular applications of Acti-dione TGF help to control dollar spot and to protect against leaf spot, rust and powdery mildew.

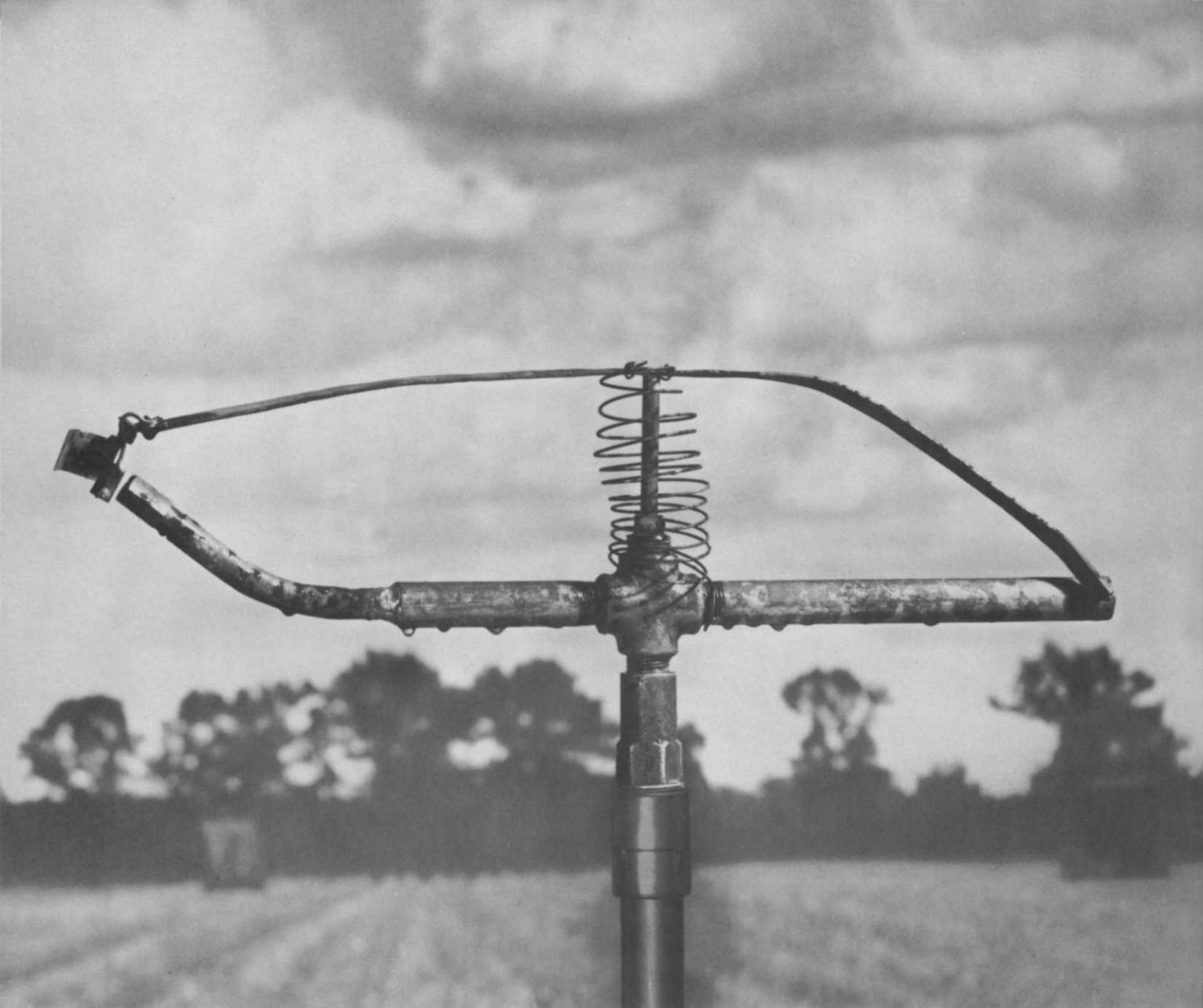


Use Proxol* 8OSP to help prevent insect damage



Division of The Upjohn Company, Kalamazoo, Michigan 49001

*Trademark



42 years ago, we took a piece of pipe and a broom and started an irrigation revolution.

You're looking at the first Rain Bird sprinkler ever built. It was 1933 when we took the wire binding from a broom handle, welded a flat piece of copper to a length of pipe — and came up with the famous spring-actuated, impulse sprinkler that has made irrigation history around the world.

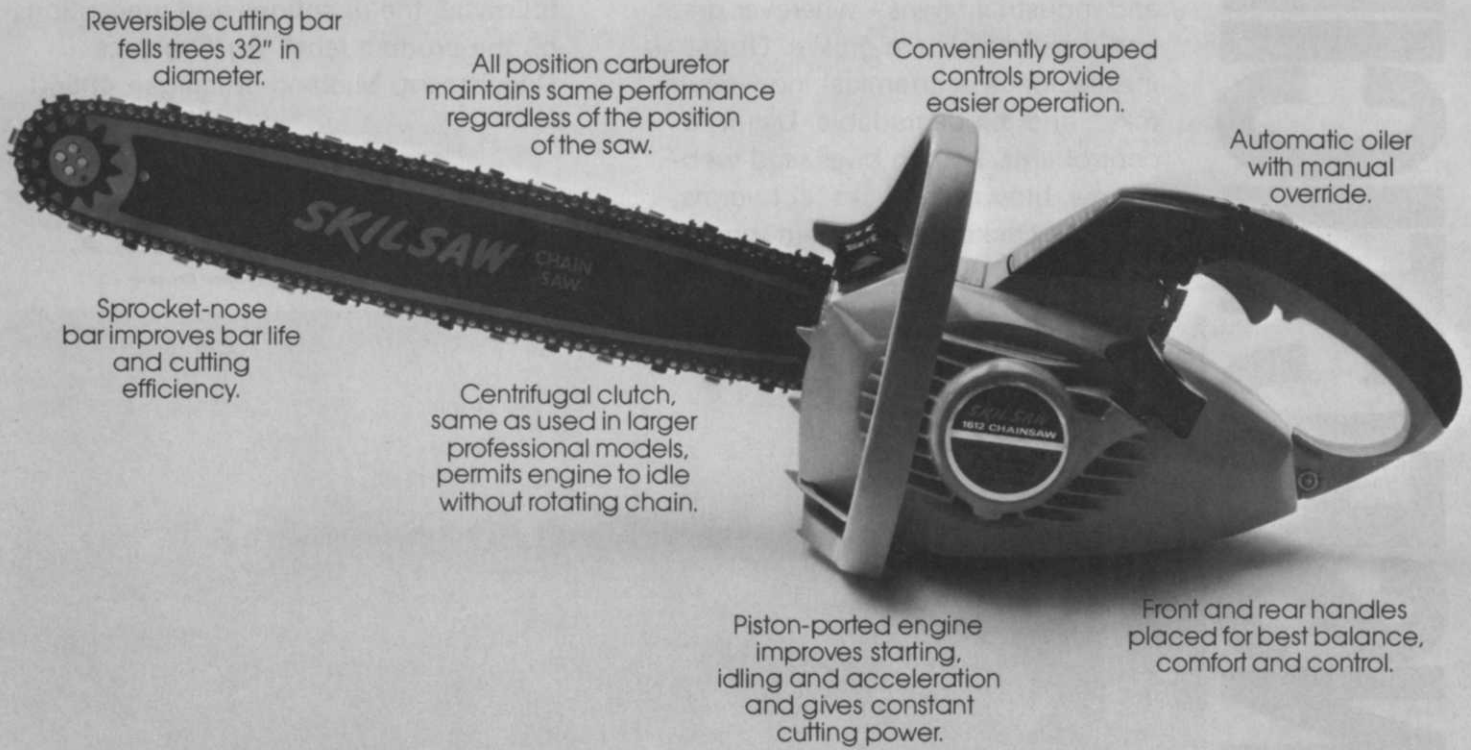
Today we make hundreds of different models of Rain Bird sprinklers. Plus electronic controllers, electric and hydraulic control valves, all kinds of

spray heads and virtually every kind of irrigation equipment. We have sold millions of Rain Bird impulse sprinklers in the last 42 years. The vast majority of them are still operating today.

It's a success we're proud of — and a success other companies have tried to copy. But no matter how they try, they can't duplicate our products, our record — or what's on our drawing boards right now.

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Reversible cutting bar
fells trees 32" in
diameter.

All position carburetor
maintains same performance
regardless of the position
of the saw.

Conveniently grouped
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with manual
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Sprocket-nose
bar improves bar life
and cutting
efficiency.

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same as used in larger
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permits engine to idle
without rotating chain.

Piston-ported engine
improves starting,
idling and acceleration
and gives constant
cutting power.

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Here's a genuine lightweight chain saw that supplies the muscle professionals need. Get a grip on the Skil lightweight, and clear that underbrush, fell 32" trees, and cut logs into a winter's worth of firewood. Skil can handle it.

Take a look at the features. It's the powerful lightweight you've been looking for. It's from Skil.

SKIL[®]

1612 Chain Saw. The powerful lightweight.

DURSBAN INSECTICIDE

Ornamentals and turf should be seen and not eaten.

That's why DURSBAN* insecticide is the choice of professional turf men for golf greens and fairways. Turf farms. Home and industrial lawns—wherever grass and ornamentals are grown. DURSBAN insecticide is economical, non-phyto-toxic and biodegradable. Use it to control ants, chinch bugs, sod web-worms, brown dog ticks, cutworms, earwigs, crickets and certain white grubs in turf. For ornamental plants, DURSBAN

provides excellent control of aphids, bagworms, grasshoppers, leafhoppers, spittlebugs, mealybugs, mites and cutworms, to name a few. DURSBAN insecticide. For all those who believe ornamentals and turf should be seen and not eaten. Just remember to read and follow all the directions and precautions on the product label. Ag-Organics Department, Midland, Michigan 48640.



DOW CHEMICAL U.S.A.

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It's the professional's professional from Dow.