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PRODUCTS from page 88

after dilution with water. Available in 4 oz., 1 gallon, and 55 gallon drums, the natural pH surfactant has a dilution rate of 12,000 to 1 with water.
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Pole pruner has ratchet-cut action

American Standard Company has introduced the Florian pole pruner that has exclusive ratchet-cut action. Optional extenders to 14 feet permit reaching high branches. The pruner has exclusive Ratchet Cut action that does the hard work as the handles are opened and compressed by using a rope. The device comes with Teflon-coated hardened steel blades and a choice of wood or fiberglass handles.

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Mower provides convenient access

F. D. Kees' 21-inch mower, designed for commercial use, combines rear discharge with minimum deck width for convenient access to hard-to-reach places. Powered by a System 2, 4 hp engine, the mower is equipped with greasable double ball bearing



wheels. Cutting height adjustments are from 1 1/4 to 3 3/4-inches, and special Lo-tone muffler provides quiet operation.
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Co-molder wiper seal eliminates flow-by

Model 1806 six-inch pop-up sprinkler from Rain Bird Sprinkler Corp. clears ground covers, low scrubs and taller turf grass. The seal cleans the nozzle

Continued on page 92

Scientific Guide To Pest Control Operations

by Dr. L.C. Truman
 Dr. G.W. Bennett and
 Dr. W.L. Butts



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stem as it comes up, flushes debris away as it retracts, and keeps debris from entering unit at the nozzle/wiper seal interface. Flow-by is arrested at a low 8 psi, a filter screen is under the nozzle, and a full range of nozzle types are available.

Circle No. 179 on Reader Inquiry Card

Skid steer loader for landscaping use

Convenience, power and comfort features are incorporated in the design of

the new 4510 skid steer loader according to the Gehl Company, West Bend, Wi.

The 4510 has been engineered so landscapers can make fast attachment changes without leaving the cab. The new Hydro-Lock feature allows use of loader hydraulics to switch from the dirt and rock teeth attachment to the utility bucket to the backhoe or to any other attachment in the versatile, full-line.

Designed to be up and away from dirt and debris, the tilt cylinders are in-



dustrially rated and self-leveling load action — a standard feature unique to Gehl skid loaders designed to keep loads even throughout the lift cycle. The 4510 is SAE-rated at 1150 pounds with the Ford industrial gas engine and at 1225 pounds with the Perkins diesel. Both engines are water cooled.

Maintenance and clean-up are made convenient in the 4510 with a swing-away grill, roll-back overhead guard and quick-clean engine compartment and cab.

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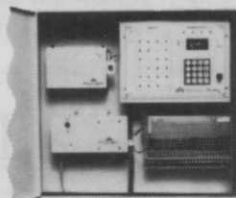
The Wonderful World of Computers Brings Beauty to Irrigation

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Video Central Controller

Standard typewriter keyboard with Question and Answer programming visible on the screen. Features: 6 separate schedules from 1 to 14 days, automatic independent syringe program, up to 12 irrigation start times per day, 99 irrigation groups for flexible valve control and manual independent valve control. Single finger programming.

Pedestal or Wall Mount Field Controllers

Can be installed indoors or outside and operated as a stand alone controller or with the central controller. Features: 24 stations of 4 modules of 6 stations each, all modules can be operated at once or at different times, any combination of modules can be used to give 6, 12, 18 or 24 station controller(s), 4 separate start times for each module, station time 0 to 59 minutes in one minute increments or 1 to 9 hours in one hour units and separate syringe timing override.

Wall or pedestal mount field controllers can be used as separate and independent controllers and the video central unit added later. Because these units "talk" to each other, programming can take place in the field or from the central location.

Built-in rechargeable batteries for program retention in case of power disruption.



Royal Coach/Buckner

4381 N. Brawley, Fresno, CA 93711
(209) 275-0500 TWX 910 362 1167

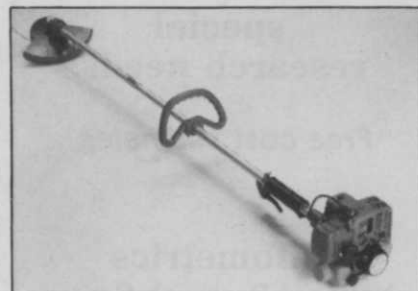
UL approves Stihl chainsaws

Stihl chain saw models have been awarded approval status by Underwriters Laboratories of Northbrook, Ill. Any Stihl product designated as "Listed by Underwriters Laboratories, Inc.," meets the standards of that testing organization. UL approved packages can display the UL symbol on nameplates, packaging, advertising, sales promotion literature and point-of-sale materials.

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Tanaka markets new brushcutter

Tanaka has introduced a new brushcutter, model TBC-215. This 20cc solid shaft gear-driven unit is designed to fit



the needs of the professional landscape gardener.

Standard features include transistorized electronic ignition carrying a five-year warranty, safety blade guard, .095 nylon line, automatic feed head, a

Continued on page 100

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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



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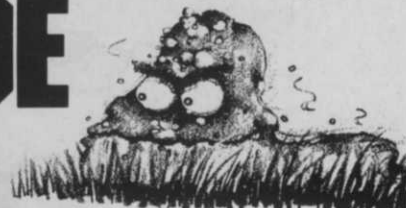
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Athletic Pro Mix	High maintenance athletic turf	Both are well suited for new seeding or overseeding. Fast establishing, excellent traffic tolerance, and rapid recovery. Provides good footing.
Athletic Pro II Mix	Low to moderate maintenance athletic turf.	
Boulevard Mix	Any area with high pH (roadsides, sidewalks, boulevards, beachfronts, etc.)	Contains both "Fults" <i>Puccinellia distans</i> and Dawson red fescue which thrive on high saline or alkaline soils. Performs at low to high fertility levels.
Landscape Pro Mix	School grounds, cemeteries, golf course roughs, lawns	Fast establishing. Adapts to broad range of conditions and management levels. Low to moderate fertility requirements.
Overseeder II Mix	Fairways, tees, athletic fields	Fast establishing, traffic tolerant, disease resistant, penetrates compacted soil.
Overseeder III Mix (Formerly Medalist North Mix)	Fairways, tees, cart paths, wear areas	Long term quality in high traffic areas. Clean mowing and disease tolerant.
Premium Sod Blend	Commercial sod producers	Fast establishing, exceptional dark green color, shade tolerant, superior disease resistance.
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"Oh, no. Mrs. Netzloff had another car break down on her."

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Columbia looks at cars the way you look at cars.

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specifically for golf car use. A redesigned fan shroud, tuned exhaust system, and a reduced rpm at full vehicle speed mean lower operating temperatures and longer engine life.

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four-tooth blade and rubber isolated engine mount.
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New sod exclusively for Southern California

Southland Sod Farms announces a water-conserving turfgrass called Marathon Hybrid Tall Fescue.

Werner Gramckow, president and founder of Southland Sod Farms explains, "For years, the turf industry has sought to fill the need for an at-

tractive grass variety that can flourish in the hot, dry weather of Southern California.

"Toward this end, in 1981, we began testing a number of hybrid tall fescues to determine their suitability for this region. Limited test quantities were grown and installed in actual landscapes in Camarillo, Simi Valley, Chino, Lancaster, Sherman Oaks, Irvine, Anaheim, Newport Beach and San Diego.

"The results are now in and we are very excited to announce that a 100

percent pure hybrid tall fescue sod, which we named Marathon, is now available in large production quantities in Southern California. We believe that Marathon represents the most dramatic breakthrough the turf industry has seen in many years.

On the surface, Marathon looks similar to popular bluegrass varieties. But, the growers say, the difference in per-



formance between these two varieties is significant.

Because Southern California is really too hot during the summer for bluegrass mixes and too cool in the winter for bermudas, Marathon Hybrid Tall Fescue is a possible solution. Marathon stays green year-round without the rust disease found with blue grass varieties and it doesn't have winter dormancy or the thatch build-up problem of the Bermudas.

The manufacturer lists three characteristics that make Marathon superior to any other sod variety now available in Southern California:

- because of Southern California's limited water supply, it conserved water.
- its efficient root system draws moisture and nutrients up from up to six times the depth of shallow-rooted bluegrass varieties.

- Marathon is highly disease resistant, durable and heat resistant. It requires less fertilizer than other lawn varieties.

Marathon Sod is in full production at Southland Sod Farms located in Camarillo, CA. It is available now from Southern California nurseries and licensed landscape contractors.

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Peace
of Mind
Fertilizing

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