Another strong case for Standard

Now — Standard's highly popular 'Professional' model 4-golf-ball washer is available in 2 types of durable cases: A new cast aluminum case — and the present Cycolac® case.

The new case is of rugged cast aluminum with rust-proof, corrosion-resistant fuse coating.

It has the same basic design (matter of fact, the cases are interchangeable), the same ultra-modern good looks — and is available in the same 6 beautiful colors as the Standard Cycolac® case.

Performance-wise, cost-wise and maintenance-wise, the Standard 'Professional' golf ball washer is your best buy. With cast aluminum or Cycolac® case!


STANDARD GOLF
Loft's has developed two Tri-Plex grass seed mixtures to meet the needs of practically every soil, climate or management condition. Both the Tri-Plex Blue and Rye contain three of the finest grass varieties, each effectively supporting the best individual characteristics of the other.

**Tri-Plex Blue** — This new blend combines the very best attributes of Baron, Flyking and Touchdown, three of the most outstanding Kentucky Bluegrass varieties on the market today. Each variety complements the other to insure unsurpassed disease resistance, density, ease of establishment, color and overall appearance. Tri-Plex Blue...Three great bluegrasses harmonized into one beautiful blend.

**Tri-Plex Rye** — This new blend contains three proven and established turf type perennial rye-grasses...Manhattan, Yorktown and Derby. When blended into a Tri-Plex Rye mixture, each individual negative is minimized and the positive points of all three varieties are accentuated into a more complete and total mixture. The new blend offers a considerably wider range of adaptation such as proven winter hardiness, improved mowability and dark green color.
Winter's toll on bermudagrass established

The past winter was one of the most severe on record, especially from the standpoint of turfgrasses, bermudagrass in particular. Some assessments of injury in the northern most limits for successful bermudagrass culture have estimated damages as high as 20-50 percent winterkill.

Many turf areas were either exposed to cold dry winds or were covered with a layer of ice. The exposed areas tended to suffer winter dessication while the ice covered turf may have suffered from ice encasement. Some ice related damage was observed on several golf course greens as a result of gouging the turf in an attempt to remove the ice cover.

Adequate levels of potassium and phosphorus are important in the winter survival of bermudagrass. Many areas sampled showed a deficiency. Soil tests also indicated that winterkill was greatest where the pH was lowest. When the pH drops below the optimum 6.5 for turf, the availability of potassium, phosphorus and other plant nutrients is effected.

When nitrogen was applied late in the fall to keep the grass green longer, winter hardiness was decreased. High nitrogen applied thusly stimulates plant growth at the expense of tissue hydration and decreased carbohydrate levels. Past winters have been relatively mild and dangers have been minimal. Not so this past winter!

Exposure also contributed greatly to the winterkill. The greatest amounts were observed on northern slopes where little or no snow accumulated. Heavily trafficked areas were observed to suffer more damage than adjacent areas with little or no traffic.

Up until the middle of May it was very difficult to determine the extent of injury to a bermudagrass stand. In many cases, recovery of the bermudagrass comes from crowns or rhizomes instead of from stolons. This takes longer and resulted in extremely slow spring green-up in some areas.

With Rain Bird® controllers, lush landscapes are just a matter of time.

Our controllers help everything grow greener. Just like clockwork.

Whether you need our dual master unit that controls up to 36 satellite units, our basic three station controller, or anything in between for commercial, residential or golf course applications, Rain Bird covers the field — without wasting a drop.

That's because our entire line, including the models you see above, all feature calendars, 24-hour clocks and timing dials that let you select the day, hour and length of rain at each station. And, many of the controllers are capable of shutting down the system automatically when nature pours it on.

Best of all, every Rain Bird® controller is a dependable, hard-working disciplinarian that means satisfaction — for everyone.

So exercise some timely control out on the turf with Rain Bird controllers. Contact your local Rain Bird distributor for complete details.

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ARS releases findings from Beltsville Center

Bermudagrass mutagens

Mutagenic breeding techniques applied to bermudagrasses have resulted in 120 new mutagens. These are undergoing tests for winter hardiness, differential phytotoxicity to herbicides, differential mineral soil responses and other tests of turf quality and propagation characteristics.

Bluegrass hybrids

Three Kentucky bluegrass hybrids, selected for seed increase after second year test data, are being tested further. Open-pollinated progeny of 230 fineleaf fescues and 190 tall fescues are being evaluated under turf management conditions.

Chinch bugs

Methods for rearing and storing chinch bugs in the laboratory for evaluating turfgrasses for resistance have been developed. Preliminary tests are being conducted with several Kentucky bluegrass cultivars to determine the most efficient and reliable screening procedures. So far, these tests have shown that a large reduction in top growth occurs before other visible symptoms of injury appear.

Crabgrass control

Plots established in a 10-year old turf in 1974 were preemergently treated three successive years for crabgrass control. The turf was mainly red fescue with a little Kentucky bluegrass. Seven herbicidal treatments controlled crabgrass adequately. These included benfon, bensulide, butralin, DCPA, profluralin, and prosulfalin. Stands of turfgrasses appeared to be somewhat thinner and/or slight discoloration was noted in some years within a month after treatment with ben sulide, butralin, and profluralin. The proportion of Kentucky bluegrass by September of the third year increased from 3 percent in the check plots to 30 to 45 percent in plots treated with benfon, butralin, DCPA, and profluralin.

A trend toward increases of Kentucky bluegrass in other treatments was observed, but was not statistically significant.

Winter hardiness

Arizona common, Tufcote, Tifgreen, and Midiron bermudagrasses are being evaluated to determine winterhardiness and turf quality as related to two potash levels and three nitrogen rates and sources. Treatments consist of 3, 6 and 9 lb. N/M applied as NH4NO3 (1 lb. N/M May-June-July, and 1 or 1 1/2 lb. N/M each month from May to October) or 9 lb. N/M as UF or IBDU in May. Muriate of potash is added according to soil test results to maintain a high (140-160 lb. K2O/A) and a low (60-80 lb. K2O/A) potassium level. Potassium applications are made in late summer when night temperatures became cooler but before the first frost.
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**Meeting Dates**


National Hardware Show, McCormick Place, Chicago, Ill., Aug. 22-25.

OSU Turfgrass Field Day, OSU turfgrass research plots, Columbus, Ohio, Aug. 24.


Texas Society of Landscape Architects Annual Awards and Seminar, Stouffer Hotel, Houston, Tex., Aug. 27.


Northwest Turfgrass Conference, Salishan Lodge, Gleneden Beach, Ore., Oct. 5-6.


ALCA Maintenance Contractors Symposium, Northlake Hilton Inn, Atlanta, Ga., Nov. 3-4.


Association of Physical Plant Administrators of Universities and Colleges Convention, Radisson Hotel, Minneapolis, Minn., May 21-24.
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**Ford 783A** for tractors up to 45 drawbar horsepower is offered in 6 and 7-foot widths. Five angle settings.

FORD TRACTORS

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