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# SHORTCUTS

**FOLLOWING GOLF RELIGIOUSLY...**The sport of golf is firmly linked with the Church of Perfect Liberty in Japan. The church operates courses in several countries, including a 36-hole spread in Japan, where some of the churches have driving ranges on their roofs. One follower says, "Golf is a favored sport because it requires such concentration on details, and because it can be played by almost anyone."

**MONEY-MAKER...**"A golf course that makes money plays fast." So says owner Jay Scott of Tanglewood Golf Club, Delaware, Ohio. Scott likes golfers to play their 18 holes in a maximum of 4 hours, 20 minutes. "That's when that seven minutes off the tee really clicks," he notes. The result? 280 golfers per day and a nice piece of profit.

**MOVIE-MAKER...**Janet Hartin, horticultural specialist for the San Bernardino County (Calif.) Cooperative Extension Service, recently helped film a motion picture that will be distributed world-wide next spring. The movie, "Seasons," was being filmed in Southern California by the people that make pictures for giant IMAX screens (those five-story moviehouses commonly found at amusement parks). Hartin re-wrote the script for technical accuracy and suggested possible shots that would be consistent with the script. She learned one thing during her stint with the film company, that these things take time. "One day, we worked 12 hours and only produced three minutes of film," she says.

**A PROBLEM WEED...**Wayne Perkins, golf superintendent at Colonial Country Club in Jackson, Miss. (he facetiously calls it the "Weed Capital of Mississippi"), informs WEEDS TREES & TURF that his biggest problem weed is the Virginia buttonweed. "I haven't found anything yet that will control it," he says. According to the WT&T Weed Control Guide (March, 1986), multiple applications of 2,4-D plus dicamba, Trimec, or Trex-San are almost always necessary. Researchers suggest using a non-ionic surfactant with the herbicide.

**NEW KID IN TOWN...**Jacklin Seed of Post Falls, Id., has a new research director, says Doyle Jacklin. Dr. Doug Brede, a Penn State University grad, has replaced Dr. Leah Brilman. Brede was previously at Oklahoma State University where one of his projects involved research on a chemical to pre-treat bluegrass seed to help prevent disease. Brede began work in September.

**USEFUL INFORMATION AVAILABLE...**Proceedings from the last two symposiums on turfgrasses, sponsored by ChemLawn Services Corp., are now available. Papers from the 1981 symposium on turfgrass weeds are available in "Advances in Weed Control." Proceedings from the 1982 symposium on turfgrass fertility are combined in "Advances in Turfgrass Fertility." The proceedings include up-to-date information (1986) with photos, tables, and charts. Cost is \$19.50 for one or \$36.50 for two. Orders can be sent to: H.G. Inc., PO Box 640, Piqua, OH 45356-9990.

interviews with actual landscape managers in three categories: in business less than one year, in business more than two years, and in business more than five years.

The session is slated for 10 a.m. on Wednesday, Nov. 19. All PLCAA registrants are eligible to attend. For further information, contact the PLCAA at (404) 977-5222.

## GOLF EQUIPMENT

### Deere enters golf and turf markets

John Deere has introduced 12 products designed specifically for use on golf courses, sports fields, and other intensive-care groundskeeping operations. The products signal Deere's entry into the golf and turf markets.

"We have begun to put in place a significant new distributor organization that will provide golf course superintendents and other turf managers with the service that has traditionally been the strength of our organization," says Gary Gottschalk, manager of golf and turf products.

The new products include a walk-behind greensmower, 3- and 5-gang hydraulic reel mowers, 20- and 24-hp diesel turf mowers, a boom mower, a utility vehicle, one pull-type and four 3-point hitch aerifiers.

## MEETINGS

### Soil is the key to healthy turfgrass

"Simply stated, a healthy, productive soil yields healthy plants less dependent upon chemicals to sustain them."

That is the philosophy of Robert Riley of Green Pro Services, Hempstead, N.Y. Riley, a noted lecturer and consultant, reviewed his own cultural program for turf at a symposium entitled "Organics...the Key to Great Lawns and Gardens."

Using his own application business as a test lab, Riley reported dramatic improvement in the overall health of his lawns. Compacted soils became much more friable and root systems averaged 9 to 12 inches deep. As soil conditions gradually improved, Riley was then able to reduce the need for pesticides.

Also on the program were Dr. Norm Hummel of Cornell University and Dr. Eliot Roberts of The Lawn Institute. Dr. Hummel pointed out that many turf managers neglect soil, focusing most of their attention strictly on top growth of turf. And Dr. Roberts underlined the points Riley had made.

"As time goes on," said Roberts, *continued on page 14*

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#### TREES

### Chicago looks for more urbanized trees

A dispute between a Chicago arboretum and an adjacent highway could result in benefits to both—and to other cities, as well.

The 64-year old Morton Arboretum and a proposed north-south toll road connecting Chicago's north-west suburbs and O'Hare International Airport are the focus of the debate.

The East-West Tollway has run along the southern edge of the arboretum for years. Now, the new route would run down the east side of the arboretum and cut 12 acres off the corner of the 1,500-acre site.

The arboretum has brought suit. And—although the Army Corps of Engineers is still investigating the environmental impact of the highway—an agreement has been reached.

The road will be built below ground level as it passes through the

arboretum to minimize noise. The tollway authority also has set up a \$2.5 million trust fund.

George Ware, Morton's research director, suggested spending the \$200,000 generated each year from the trust fund to study the problems created by the road, developing breeds of plants and trees for urban settings, and planting them along the highway for testing.

"There are adversities galore for living plants in urban environments," Ware says. "As our society becomes ever more urbanized, we need ever more kinds of plants that can cope with this harsh environment of man's."

Ware's researchers have identified several promising varieties of trees and shrubs from China. Tolerant poplars and willows, and even the American elm will also be studied.

Ware and others have spent more than a decade developing several new breeds of disease-resistant elms, some of which are sold under the name of Accolade.

Ware's research will help develop plants and trees which can resist the constant assault of car fumes, road salting, pets, and construction. "City streets and expressways are, by

nature, not very forestlike," he says. "So if we can't change the city, maybe we can change the plants to make them more tolerant."

#### PEOPLE

### Arizona Contractors name exec director

Charles L. Richardson is executive director of the Arizona Landscape Contractors Association. He is a former U.S. government employee and graduate of Michigan State University and Yale University.

#### Craig Edminster joins Interna-



Craig Edminster



Gary Dorsch

tional Seeds of Halsey, Ore., as research agronomist. He previously worked for the FFR Cooperative in Salem, Ore.

O.M. Scott & Sons makes several



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# SOME WORKERS DON'T

staff changes. **Gary Dorsch**, formerly a Scotts technical rep for the Chicago area, is named manager of customer training for the ProTurf Division. **Wayne G. Horman** is technical rep for the Lawn Care Service Supply Group of the ProTurf Division. **Steve Rudich** is technical rep for the southern New Jersey, Philadelphia, and northern Delaware areas. **Dave Henricksen**, **Mike Hieser**, and **Rick Elyea** join the ProTurf Division as technical reps.



**Wayne Horman**

The Ohio Turfgrass Foundation names its officers: president, **Ed Odorizzi**, Riviera Country Club; president-elect, **Doug Halterman**, Leisure Lawn Inc.; vice-president, **Rick Kucharski**, Winding Hollow Country Club; treasurer, **Paul Jacquemin**, Chemlawn Corp.; executive secretary, **John Street**, Ohio State University.

**W.H. Clark Jr.** is elected chairman of the board of the **Chemical Manufacturers Association**. He is chairman of the board, president, and chief execu-

tive officer of **Nalco Chemical Co.**

**Fernando Lozano**, former general sales manager for Dow Chemical's Latin American Agricultural Division, joins **Marman USA Inc.** as director of commercial aspects of Marman's Caribbean, and Central and South American operations.

**Middlesworth Engineering and Manufacturing** appoints **Tom Phillips** regional sales manager of the Turf Equipment Division. He is responsible for marketing zero-turning radius



**Tom Phillips**

mowers in Indiana, Ohio, Illinois, and Michigan.

**Jim Foley** joins **Thompson Manufacturing** as sales rep covering Northern California. He is a former sales rep for **Filtomat Inc.**

**Rain Bird** announces several staff changes. **Brendan Lynch** is Eastern



**Brendan Lynch**

specifications manager for the Turf Division. **Scott Smart** joins **Rain Bird** as Rocky Mountain district manager. **Paul Syiem** is marketing coordinator for the Turf Division. **Charlotte Schmitt** is golf marketing coordinator for **Rain Bird Sales**. **Walt Jackson** is



**Scott Smart**

appointed Turf Division marketing communications manager.



**Paul Syiem**



**Charlotte Schmitt**



**Walt Jackson**



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# KNOW WHEN TO QUIT.

# THE SEED REPORT

Although yields are about average for most grasses, demand is high.

Carryover from last year's harvest is light. It all adds up to a tight, but not too tight, seed market for late 1986 and early 1987.

by Ken Kuhajda, managing editor

**D**on't expect too much of a bargain from your local seed supplier this fall. And you might want to make a visit as soon as possible. Seed marketers are saying that high demand and mediocre supply, coupled with little carryover, will result in a quick-moving seed crop for late 1986 and 1987.

However, the good news is that price increases should be minimal. Yields look only slightly below average. Bluegrass and fine fescue appear to be in the shortest supply.

Perennial ryegrasses and tall fescues are reported at near normal levels. The bentgrass crop looks good but, again, little carryover may result in a quick sell, thereby resulting in a shortage.

## Just about normal

The fragile seed crop—so heavily dependent on Mother Nature, so precariously waving in the winds of Oregon, Washington, and Idaho—was subjected to an average weather year in most areas.

A cold, early winter hurt the crop in the Willamette Valley area of Oregon where some 60 percent of the world's seed (mostly fescue, ryegrass, bentgrass, and forage grass) is grown.

In eastern Washington and northern Idaho, where much of the world's bluegrass is grown, an unusually hot spring hurt yields.

But overall it was a pretty uneventful weather year which is good



A field of Olympic tall fescue is swathed on a farm in Oregon's Willamette Valley, where some 60 percent of the world's grass seed is grown.



Kentucky bluegrass is combined in a field near Spokane, Wash. Most of the world's bluegrass seed is grown in eastern Washington and northern Idaho.



After a field is harvested, it is burned to stimulate growth for the next year.

news for seed growers. It's also good news for the seed buyer.

### The positive side

During visits to seed country, WEEDS TREES & TURF discovered that tall fescues and perennial ryegrasses should be adequately available although a small carryover and high demand may result in a quickly-moving supply.

"The perennial ryes look real good," says Harry Stalford, product manager for International Seeds. "There's been a lot of demand put on turf-type perennial ryegrass the last few years. We're pretty much sold out of our varieties of turf-type perennial ryes for 1986."

International's Big Three—Derby, Regal, and Gator perennial ryegrasses—are reported in limited supply because of high demand.

Kent Wiley, president of Pickseed West, notes: "The perennial ryes are down quite a bit from last year but they're close to average. Last year was an above-average year." He predicts a slight rise in the price of perennial ryes.

Pickseed markets Blazer, Dasher, Fiesta, and Jazz perennial ryegrasses.

Tom Stanley, marketing manager at Turf Seed Inc., reports adequate supplies of Citation II, Birdie II, and

Omega II, and limited supplies of Manhattan II.

"With the Manhattan II, although production is up, demand keeps the supply tight," says Stanley.

### A versatile turf

As the up-and-coming tall fescues continue to grow in popularity, they're being grown in more fields. That means a good supply—average to slightly below average this year. Demand is high.

"The tall fescue crop looks average, maybe less than average in some areas," reports Dave Nelson of the Oregon Tall and Fine Fescue Commissions. "There wasn't much of a carryover so we were pretty well cleaned out last spring. I think you'll see slightly higher prices but no dramatic increases."

Northrup-King product manager Joe Churchill is a little more optimistic. "There should be adequate supplies available due to a very good harvest," he says.

Churchill rates Northrup-King's Galway turf-type tall fescue as perhaps showing a surplus. Only Galway and Adventure turf-type tall fescue, marketed by Warren's Turf Nursery, are projected to show a surplus, according to a WT&T survey of more

than 20 seed companies. The questionnaire covered all varieties of all grasses and most were rated as adequate or limited in supply (see chart).

Loft's Marie Pompei says Rebel II, a turf-type tall fescue and rising star, is available in limited supply but the price should be stable.

Jacklin Seed, Post Falls, Id., markets Arid turf-type tall fescue, and company president Doyle Jacklin is cautiously optimistic.

"It's availability is low because demand is high, but the yield is right where we projected," he says. "We just wish we had more seed."

A turf the green industry may see more of is dwarf turf-type tall fescue. Lesco Inc. vice-president of research and development Art Wick says Lesco's Trailblazer dwarf is available in limited supply. He predicts a growth in popularity.

"Trailblazer has a significantly reduced overall growth habit," reports Wick. "Its mature growth height, if not mowed, is 40 to 50 percent lower than the growth height of other turf-types. Under mowing conditions, it shows a slower vertical growth rate."

Wick says Trailblazer appears closer in texture to Kentucky bluegrass than other turf-type tall fescues, shows a darker green color, and estab-

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# ★ Need more be said?

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## TURFSEED AVAILABILITY

### AVAILABILITY KEY

A = surplus B = adequate C = limited

## SEED REPORT from page 17

lishes a tight turf.

### The bad news

It's no secret throughout the Willamette Valley that this year's crop of fine fescue is down, perhaps as much as 50 percent in some cases.

"Fine fescues are way below average, maybe 60 to 65 percent of average," reports Pickseed's director of research Jerry Pepin. Adds Pickseed's Wiley: "You're looking at higher prices because the supply is less."

Notes International Seeds' Stalford: "Fine fescues are pretty short. Chewings and the reds—they've had a pretty bad year." Seedmen say hard fescues are also in short supply.

Demand for fine fescues doesn't appear to be as intense as it is for some of the other grasses. Prices shouldn't rise dramatically even in light of the shortage.

Curiously, the newer fields of fine fescue seem to be producing more, Wiley says.

Nelson of the Oregon Fine Fescue Commission cites a dry but not bone-dry period in May and early June as perhaps contributing to the short crop of fine fescue. He notes the fine fescues are also off significantly in Canada.

Demand for Jacklin's Logro fine fescue is not high, and the seed is available in adequate supply, reports Jacklin. "We just don't have that much demand as opposed to the demand for tall fescues and perennial ryegrasses," he says.

### Blue bluegrass producers

Jacklin Seed is perhaps best-known as one of the world's leading producers of Kentucky bluegrass seed, a favorite turf for home lawns, sports fields, golf courses, and commercial landscapes in most cool-season areas.

Unfortunately, look for less of it on your distributor's shelves than in past years. And what you do see will be higher priced than last year.

Reports indicate a 10- to 14-day hot spell in late spring (during pollination) in eastern Washington and northern Idaho—where most of the world's bluegrass seed is grown—took a toll on the proprietary varieties.

There is a chance that many proprietary bluegrasses may be sold out by early fall.

"Overall, we're down about 40 to 50 percent," reports Jacklin. "This makes three years in a row for us. The irrigated proprietaries are down by one-third. With the lack of carryover and demand way up, I just don't know if we'll have enough seed to see us through the season, which means you'll see more of the

### KENTUCKY BLUEGRASS

VARIETY	MARKETER		AVAILABILITY		
A-34 Bensun	Warren's	C	Harmony	Seed Research	B
Adelphi	Jacklin, Adikes	C	Holiday	Cenex	C
America	Pickseed	B	Huntsville	Jacklin	C
Aspen	Northrup King	C	Julia	Lesco	B
Banff	Pickseed	B	Liberty	Garfield Williamson	C
Baron	Lofts	B	Merion	Jacklin	C
Blacksburg	Turf Seed	C	Merit	Full Circle	B
Bronco	Pickseed	C	Midnight	Turf Seed	C
Challenger	Turf Seed	C	Mystic	Lofts	C
Cheri	Jacklin	C	Nassau	Jacklin	B
Columbia	Turf Seed	C	Nugget	Jacklin, Pickseed	B/C
Dawn	Lesco	C	P-104	Lofts	C
Eclipse	Jacklin/Gf. Wms.	C	Parade	Northrup King	C
Enmundi	Seed Research	C	Plush	Cenex	C
Fylking	Jacklin	C	Ram I	Jacklin	B
Georgetown	Lofts	B	Rugby	Northrup King	C
Geronimo	Jacklin	C	Sydsport	Burlingham	C
Glade	Jacklin	C	Touchdown	Pickseed	C
Haga	Burlingham	C	Wabash	Jacklin	C

### PERENNIAL RYEGRASS

All-Star	Jacklin/Adikes	C	Manhattan II	Turf Seed	B
Belle	Burlingham	B	NK 200	Northrup King	C
Birdie II	Turf Seed	B	Omega II	Gf. Wms./Turf Seed	B/C
Blazer	Pickseed	B	Palmer	Lofts	B
Citation II	Turf Seed	B	Pennant	Burlingham	C
Cowboy	Lofts	B	Pennfine	Northrup King	B
Dasher	Pickseed	B	Prelude	Lofts	B
Delray	Northrup King	B	Premier	Normarc	B
Derby	International Seeds	C	Regal	International Seeds	C
Diplomat	Lofts	C	Regency	Lesco	C
Eton	Northrup King	C	Repel	Lofts	C
Fiesta	Pickseed	B	SR 4000	Seed Research	C
Gator	International Seeds	C	SR 4031	Seed Research	C
Goalie	Northrup King	B	SR 4100	Seed Research	C
Jazz	Pickseed	B	Vintage	Lesco	B
Magnum	Adikes	C	Yorktown II	Lofts	B

### TURF-TYPE TALL FESCUE

Adventure	Warren's	A	Maverick	Pickseed	B
Apache	Turf Seed	B	Mustang	Pickseed	B
Arid	Jacklin	C	Olympic	Turf Seed	B
Bonanza	Adikes	B	Pacer	International Seeds	B
Cimarron	Lesco	C	Rebel	Lofts	B
Clemfine	Lofts	B	Rebel II	Lofts	C
Falcon	Burlingham	C	SR 8000	Seed Research	C
Galway	Northrup King	A	Tempo	Normarc	B
Hounddog	International Seeds	B	Trailblazer (dwarf)	Lesco	C
Jaguar	Garfield Williamson	B/C	Trident	Seed Research	C

### FINE FESCUE (CHEWING AND RED)

Agram	Pickseed	B	Koket	Burlingham	C
Checker	International Seeds	B	Logro	Jacklin	B
Dawson	Northrup King	B	Novorubra	Burlingham	C
Ensylva	International Seeds	B	Ruby	Northrup King	B
Flyer	Turf Seed	C	Shadow	Turf Seed	C
Fortress	Turf Seed	B	Victory	Pickseed	B
Jamestown	Lofts	B			

### HARD FESCUE

Aurora	Turf Seed	C	Spartan	Pickseed	B
Reliant	Lofts	C	SR 3000	Seed Research	C
Sara	Normarc	C	Tournament	Pickseed	B
Scaldis	Northrup King	B	Waldina	Turf Seed	C

### BENTGRASS

Emerald	International Seeds	C	Pennston	Normarc	C
Exeter	Pickseed	C	Pennway	Tee-2-Green	C
Penncross	Tee-2-Green	C	Prominent		
Penneagle	Tee-2-Green	C	Creeping	Seed Research	B
			SR 1020	Seed Research	C