

# Drought resistance of grasses

Relative Ranking	Turfgrass Species	
	Cool-season	Warm-season
Superior		*Bermudagrass ( <i>Cynodon dactylon</i> ) *Bermudagrass hybrid ( <i>Cynodon hybrid</i> )
Excellent		Buffalograss ( <i>Buchloe dactyloides</i> ) *Seashore paspalum ( <i>Paspalum vaginatum</i> ) *Zoysiagrass ( <i>Zoysia</i> spp.) Bahagrass ( <i>Paspalum notatum</i> )
Good	Fairway wheatgrass ( <i>Agropyrum cristatum</i> )	*St. Augustinegrass ( <i>Stenotaphrum secundatum</i> ) Centipedegrass ( <i>Eremochloa ophiuroides</i> ) Carpetgrass ( <i>Axonopus</i> spp.)
Medium	Tall fescue ( <i>Festuca arundinacea</i> )	
Fair	*Perennial ryegrass ( <i>Lolium perenne</i> ) *Kentucky bluegrass ( <i>Poa pratensis</i> ) *Creeping bentgrass ( <i>Agrostis stolonifera</i> ) Hard fescue ( <i>Festuca longifolia</i> ) Chewings fescue ( <i>Festuca rubra</i> subsp. <i>commutata</i> ) Red fescue ( <i>Festuca rubra</i> )	
Poor	Colonial bentgrass ( <i>Agrostis tenuis</i> ) Annual bluegrass ( <i>Poa annua</i> )	
Very Poor	Rough bluegrass ( <i>Poa trivialis</i> )	

\* Significant variability occurs among cultivars within the species.  
\*\* Based on the most widely used cultivars of each species.

## Turfgrass scientists' research is bearing fruit with critical findings

Dr. James Beard of Texas A&M prepared this table to show the comparative drought resistances of the major turfgrasses—based on the most widely used cultivars of each species—when grown in their respective regions of climatic adaptation and preferred cultural regime.

Beard, who displayed the table at a speech in Japan in June, explained that it takes into account drought resistance and the dehydration avoidance components: evapotranspiration rate and genetic rooting potential.

The species rankings are based on results with cultivars currently in wide

use. The individual cultivars are listed because the intraspecies differences within each of these three parameters are as great as between the species.

Research shows that species and cultivars with a low shoot ET rate and deep, extensive root system have good dehydration avoidance—a key component

## GCSAA plans new offices

Citing a growth in programs serving more and more members, the officers of the Golf Course Superintendents Association of America have voted to break ground early next year on a \$4-million headquarters complex in Lawrence, Kan.

"GCSAA's growth has mirrored that of the rest of the golf industry," said President Dennis Lyon. "We now have more than 8,600 members and the association offers more services to them than ever before. This new building will allow us to keep meeting the needs of our growing membership and the golf community at large."

The officers approved schematic plans for the project during a meeting at the U.S. Open in Rochester, N.Y.

The new site is one mile from the group's current offices at Alvarado Golf & Country Club, where the association located when it moved to Lawrence in 1974.

The course and building are expected to be completed in 1991.

GCSAA Executive Director John M. Schilling said the building could be ready by the spring of 1991 "if the Kansas weather cooperates."

The 35,000-square-foot facility will nearly triple the space for the association's 42-member staff and still leave room for projected growth. In addition to the four-story headquarters building, the new complex will feature an attached 70-seat class and meeting room.

## Traverse Cup win nets Doral tourney

A 14-under-par Scramble team score at the Grand Traverse Resort at Traverse City, Mich., propelled a foursome into the Meeting Masters tournament title final Nov. 16-18 at Doral Country Club in Miami, Fla.

Prevailing by two shots in the Traverse Cup were Charles (Ski) Dzwigalski of Michigan Bell Telephone; Bruce Harms of PMH/Carramining, Inc.; Bill Jenkins of FMC Corp.; and Ron Ullett of ILSCO.

The Traverse Cup is sanctioned by "The Golfe," an association industry golf enthusiasts.

## Poellot moves into U.S. market

J. Michael Poellot, who for 20 years has designed golf courses in other parts of the world, has reorganized his company in Saratoga, Fla., to place emphasis on designing world class courses in the United States.

J. Michael Poellot Golf Design Group is offering design, construction and supervision services internationally, including conceptual and detail design for new community, private and resort golf course developments.

Winner of the Crescordia Environmental Excellence Award for his design of the Hyatt Resort Gainey Ranch Course in Scottsdale, Ariz., Poellot has worked on more than 200 golf courses. He has worked extensively in Japan and other parts of Asia and designed the first private course in the People's Republic of China, the Beijing Golf Club, where Premier Zhao Ziyang hit the first ball during opening ceremonies last year.

Poellot's firm has more than 25 projects in progress in the Far East, several of which will open this summer.

"By maintaining the game's integrity on all our new projects," he said, "we are successful in resurrecting the classic values that have made the great courses of Ross, Mackenzie and Tillinghast just as popular today as they were generations ago."

Formation of the new company follows reorganization of the firm Benz and Poellot Inc. which included promotion of Mark F. Rathert to vice president/design director and addition of Robert J. Stroh as vice president/general manager.

Design associates Scott W. Raffety, William Bret Hentzler, Brian Costello and Kevin Ramsey and construction directors Don C.

Lokey, James B. Slugocki, Steven Best and Harry Crawford direct an additional staff of 15 to 20 construction specialists in the field.

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