



EMPIRE TURF®

The Proven Zoysia Grass®

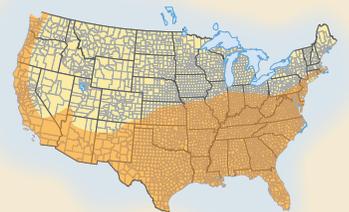
- Excellent drought tolerance
- Chinch bug resistant
- Reduced input and maintenance needs

EMPIRE Turf is an improved zoysiagrass that elevates the standards and expectations for warm season turfgrasses. EMPIRE utilizes exceptional drought tolerance and lower chemical needs to meet "green building" standards. With soft-to-the-touch feel, fine tight-bladed growth and lush green color, EMPIRE exhibits durability in the landscape while maintaining functionality. Developed in Brazil, EMPIRE thrives in harsh tropical climates, yet also exhibits excellent cold hardiness. EMPIRE needs less water and maintenance than most other turfgrasses: in some instances, once naturalized to the local climate, EMPIRE requires minimal care.



Characteristics		EMPIRE
AESTHETICS	Uses	Home, Commercial, Golf, Sports
	Color	Blue Green
	Blade Width	5-7mm
	Feel	Soft
	Fall Color Retention	Very Good
	Spring Greenup	Very Good
FUNCTION	Soils	Sand, Sandy Loam, Clay, Muck
	Growth	Rapid Horizontal Growth from Stolons/Rhizomes
	Wear	Excellent
	Injury Recovery	Excellent
	Insects	Excellent Resistance
	Diseases	Excellent Resistance
CLIMATE	Heat	Excellent
	Cold	Excellent (6b-11)
	Shade	Moderate / Good
	Drought	Excellent
	Salt	Good
	CARE	Mower
Height		1"-2"
Weed Control		Excellent

Where it will grow



Quality Control

Sod Solutions, Inc. the developer of EMPIRE™ Turf and other improved warm season turfgrass varieties, is dedicated to meeting the needs of consumers and landscape & lawn professionals by providing new turfgrass varieties that look better, perform better, and that are easier to maintain than other turfgrasses. Extensive research and development efforts underscore a commitment to develop and release only high quality, genetically pure, competitively priced varieties. Stringent quality control measures ensure that:

- Sod Solutions, the patent holder for EMPIRE Turf, performs a rigorous producer selection process, licensing only quality, service-oriented producers to produce the varieties.
- All planting stock material originates from approved, genetically approved sources.
- Producers must adhere to accepted guidelines during all production phases.
- Production fields are inspected on a regular basis.

The Experts Talk About EMPIRE Turf

“EMPIRE Turf is striking to look at and feel. In fact, we’ve featured it in three of our shows to date.”

~Gary Alan; *The Designer’s Landscape with Gary Alan Television Show*

“EMPIRE Turf has an aggressive root system, beautiful color and makes an excellent block of sod. It is well suited for Texas soil and climate conditions. Our customers are going to like this grass.”

~Lindy Murff; *Murff Turf, TX*

“We put EMPIRE Turf in two of our theme parks in Orlando, and it’s doing great. The grass is visually appealing and holds up well to traffic. We’re very pleased.”

~Barry McKenty; *Director Landscape/Technical Services, Universal Studios, FL*

“At King Ranch, we call EMPIRE Turf the “EZ” grass because it’s so easy to grow and maintain. We think the public is ready for a new and improved turf grass, so we’re excited about growing and marketing EMPIRE Turf.”

~Paul Grose; *General Manager, King Ranch, FL*

“I fell in love with the look and I was really impressed with the performance. EMPIRE is durable, versatile, tolerant to a variety of conditions, and less demanding than other varieties of St. Augustine or bermudagrass.”

~Kevin Clingerman; *Landscape Manager, Ginn Clubs & Resorts*

Initial Installation

Prepare soil and water thoroughly before sod is placed (*additional info. at www.sodsolutions.com*). It is essential that turf be watered thoroughly when installed, to keep new sod from drying out. Soak upon installation and water as needed to keep new sod from drying out. Overwatering for an extended period, however, will severely damage the turf, inducing disease and rotting roots. It usually takes 7–10 days during the active growing season for the sod to re-establish, but may take longer during cooler weather. Proper rooting can be checked by lifting a corner of the new sod piece and noting if “white” roots have connected to the ground. Mow the new sod 7–10 days after installation.

Management (General Guidelines)

THESE GUIDELINES ARE NOT COMPREHENSIVE AS CLIMATE AND SOIL CONDITIONS VARY GREATLY.

	MOWING	WATERING	FERTILIZER	INSECTS	DISEASE
SPRING	Mow 1–2” with standard rotary mower every 7–10 days. Shorter heights require regular and more frequent mowing.	Water thoroughly, only when needed. Apply water when slight wilting is visible. One inch of water per week is the rule of thumb during drought conditions for sandy loam soils. Infrequent, thorough watering promotes healthy turf. Over-watering encourages excessive growth, disease, root rot, and will suffocate turf.	Apply after danger of frost or in mid-February in frost-free areas. Use balanced time-release fertilizer, such as 16–4–8. Can use products with iron to improve color. Perform soil analysis for best results.	Although there are few pests that affect EMPIRE Zoysia, time is of the essence in diagnosing and treating insect problems. If you notice or suspect insect problems, contact your local licensed producer or extension agent, or visit our Web site at www.sodsolutions.com for the latest information on insects.	Although there are few diseases that affect EMPIRE Zoysia, Pythium and other diseases are possible if conditions are favorable. Time is of the essence in treating problems. If you notice or suspect disease problems, contact your local licensed producer or extension agent, or visit our Web site at www.sodsolutions.com for the latest information on diseases.
SUMMER					
FALL	Mow 1–2” with standard rotary mower every 10–14 days if needed. Shorter heights require regular and more frequent mowing.	When automatic watering systems are used it is advised to install a rain shut-off device to disarm the system when it rains. Early morning hours are the optimal time to irrigate. Night time waterings are not suggested.	Balanced time-released fertilizer such as 10–10–10. Use products with iron to improve color. Perform soil analysis for best results.		
WINTER					

For more extensive information about management techniques, visit our Web site at www.sodsolutions.com

Sod Solutions makes no representations or warranties concerning EMPIRE Turf, including any warranties concerning merchantability or fitness for a particular use or any warranties or representations concerning the marketability or growing capacity of EMPIRE Turf, or that EMPIRE Turf will perform in any particular way or manner.

The EMPIRE Turf name and logo are trademarks of Sod Solutions, Inc. The Sod Solutions name and logo are trademarks of Sod Solutions, Inc.