



TifEagle and TifSport Bermudagrass
Sealsle1, Sealsle2000 and Sealsle Supreme Seashore Paspalum
TifBlair Centipede

There's an Exceptional Team
Behind These Premier
Turfgrass Varieties

THE UGA TURFGRASS TEAM

RESEARCH AND DEVELOPMENT (UGARF)

The University of Georgia Research Foundation (UGARF) oversees all of the University's intellectual property, including new turfgrasses released by the UGA Team. We secure and protect patents for new grass varieties, issue licenses to qualified growers, and give strong financial support to the development of promising new cultivars. In fact, royalty revenues generated from all UGA plant varieties go directly back to the plant breeders and their research programs. Thirty-percent of these funds are specifically earmarked for new cultivars. For example, in 2006 we'll be investing over \$130,000 to help fund replicated testing and on-going research to improve the herbicide, insect, pest and shade-tolerance of our patented seashore paspalums, bermudas and centipede grasses.

LICENSING AND MARKETING (GSDC)

The Georgia Seed Development Commission (GSDC) is also on the Team. We're the agency responsible for all foundation plant material production in Georgia, including vegetatively propagated turfgrasses. In cooperation with the University of Georgia Research Foundation we manage turfgrass licensing and royalty collection. The GSDC develops and implements appropriate turfgrass management and maintenance protocols and coordinates the grower-based marketing associations for each of the six patented UGA varieties. We also work closely with the USDA and UGA faculty in supporting and facilitating new research projects. Since 1990, GSDC has provided over two million dollars to the University and USDA in support of new cultivar development.

TIFSPORT BERMUDAGRASS

This UGA bermudagrass is ideal for golf course fairways, teeboxes, putting green fringes and practice areas. TifSport's turf quality, turf density and turf strength help it recover rapidly from injury and stress. It addition to superior color, cold hardness and disease resistance, it handles a wide range of mowing heights exceedingly well. If you're involved with the installation or day-to-day care and maintenance of home lawns, office parks, commercial landscaping or sports fields, you'll really appreciate how certified TifSport compares to Tifway and the other older bermudagrass varieties.

SEAISLE1 SEASHORE PASPALUM

If you've got water quality problems or poor soils, you should consider SeaIsle1 even if you've got an inland location. This UGA release can tolerate most types of alternate water sources, including effluent, wastewater, gray water, brackish water and even ocean water for short periods of time with a careful management regimen. SeaIsle1 can also handle multiple stresses like high salt levels, low-light intensity, waterlogging, and extremely high and low pH levels. When compared to other warm season grasses, SeaIsle1 requires less nitrogen and only minimal pesticide applications. It also withstands prolonged droughts a little better. Best of all, SeaIsle1 has one of the most attractive, rich, dark-green colors of any of the warm season grasses.

SEAISLE 2000 SEASHORE PASPALUM

When maintained at 1/8 inch or less, SeaIsle 2000 is similar in texture and playability to hybrid bermudagrass greens. It's also a fine choice for fairways, roughs and tees. SeaIsle 2000 has gotten high marks in research trials for cold-hardiness, disease resistance, turf quality, turf density, turf strength, playability, and rapid recovery from normal wear and ball mark injuries. For coastal courses or inland environments with poor soils or water quality issues, it has the added advantage of being salt tolerant. This UGA variety will return dividends in reduced fertilizer, herbicide and water costs.



Watercolor by Jamie Calkin
www.jamiecalkin.com

THE UNIVERSITY OF GEORGIA COLLEGE OF AGRICULTURE AND ENVIRONMENTAL SCIENCES (CAES)

As you can see, the UGA Turfgrass Team has tremendous resources behind it. The College of Agriculture and Environmental Sciences fields a roster of 17 scientists heading up extension, research and teaching programs that are among the most respected in the country. Our Turfgrass Breeding and Genetics work takes place at our Tifton and Griffin GA campuses. Dr. Glen Burton initiated this internationally renowned breeding program half a century ago. Now under the direction of Wayne Hanna and Paul Raymer, we're continuing to produce the world's leading warm season cultivars. On the research side, our Cultural Management and Environmental Initiatives are focused on developing programs that reduce inputs while minimizing environmental impacts. In the area of Herbicides and Plant Growth Regulators, we're continuously researching new protocols for the judicious use of promising new materials as they become available. We're also evaluating pesticide and nutrient leaching and runoff on golf course greens and fairways, a topic of increasing concern to the golf course industry. In the Disease and Insect arena, we're involved with documenting pest thresholds under various Integrated Pest Management Programs. Our Athens-based Teaching Program has also shown tremendous growth over the last few years. This is vital, because a good farm club with educated and well-trained turfgrass students is vital to our future. Last but not least, we're fortunate to have a top-flight Cooperative Extension Service. Through research papers, articles, seminars, field demonstrations and one-on-one meetings with potential consumers, these knowledgeable professionals get the word out. When you're making a big dollar decision about a golf course grass, or new sports field, or even your own home lawn, you can't go wrong when you team up with the professionals of the University of Georgia Turfgrass Team. We're in the game for the long run.

CERTIFICATION AND INSPECTIONS (GCIA)

The Georgia Crop Improvement Association (GCIA) coordinates all certified turfgrass inspections for the UGA Team. Every field in every state where a patented UGA grass is grown is now inspected three times a year. This is vital to the success of the UGA Turfgrass Program. Our staffers inspect for varietal purity as well as excessive or problem weeds. Most importantly, we require that a turfgrass "Certification" certificate accompany each and every shipment of grass. This "Blue Tag" certificate lists the turfgrass variety harvested, the quantity shipped, the field number, and the producer's name and address. We also require that the certificate bear the name and signature of the individual responsible for making sure each shipment of sod or sprigs meets published certification requirements. These grasses fetch a premium, and one of our major priorities as a member of the Turfgrass Team is to help protect the customer's investment.

QUALITY-CONSCIOUS GROWERS ASSOCIATIONS

As patented varieties, TifEagle, TifSport, SeaIsle1, SeaIsle2000, SeaIsle Supreme and TifBlair Centipede can only be sold as certified sod, sprigs or seed (TifBlair), and only by growers licensed by UGARF/GSDC. Chalk up another advantage for the UGA Turfgrass Program. We license only quality-conscious sod producers who agree to abide by a set of stringent production practices designed to promote on-going purity and uniformity. When you deal with one of our licensed producers, you can be sure that your turfgrass has been grown, inspected and sold under the same rigorous protocols regardless of where it was harvested.

INTERNATIONAL SALES, LICENSING AND INSPECTIONS

Very early on, we developed a set of rules and inspection protocols for prospective international licensees and made it mandatory for our international producers to sign on as participants. We named it the International Turfgrass Genetic Assurance Program, or ITGAP for short. Manderley Turfgrass International is our worldwide ITGAP agent and the international licensing agent for all of the UGA patented turfgrass varieties. Bottom line, ITGAP is designed to help our international producers grow and market high-quality, genetically pure turfgrasses all around the world. And doing business with an ITGAP member or purchasing certified material from a US grower are the ONLY ways international buyers can be sure of getting the grass variety and quality they're paying for. Manderley Turfgrass International assists all licensed domestic growers in exporting to end-users outside the United States and coordinates on-site golf course nursery programs.

TIFEAGLE BERMUDAGRASS

Released in 1998 by UGA and USDA/ARS, TifEagle was bred to meet the challenges faced by today's golf course superintendents and the expectations of a new generation of golfers. It can tolerate the intense management necessary to deliver the putting speeds and consistency even club players have come to expect. With frequent brushing, grooming and light top dressings, TifEagle requires substantially less verticutting to control thatch buildup than the other ultradwarfs. TifEagle recovers quickly from mechanical injury, has excellent color, and is extremely cold hardy, drought tolerant and disease resistant. Most experts agree it's the new standard for the 21st century.

TIFBLAIR CENTIPEDE

Centipede is a slow-growing, medium-to-coarse warm season grass that produces a very dense, attractive, weed-free turf. It's also more shade tolerant than bermudagrass, and since it produces only surface runners, it's more easily controlled in residential and commercial landscape environments - especially along highway medians and right-of-ways. Common centipedes, however, have very poor rooting characteristics, making them less than ideal for difficult sites and colder climates. TifBlair Centipede was bred to overcome this problem. It's exceptionally cold tolerant, has impressive fall color retention, and develops a deep root system even in poor growing conditions. TifBlair is the one and only "Certified Centipede."

SEAISLE SUPREME SEASHORE PASPALUM

SeaIsle Supreme is a new and improved semi-dwarf seashore paspalum cultivar developed by Dr. Ron Duncan for tees, greens, fairways and roughs. Like predecessors SeaIsle1 and SeaIsle 2000, SeaIsle Supreme requires less nitrogen fertilization and less water than many other warm season cultivars. More importantly, Supreme has a higher inherent salinity tolerance level than the other paspalums available today. In fact, it can tolerate extremely poor alternate water sources including ocean water-fresh water blends for short periods of time. SeaIsle Supreme is being hailed as the ideal wall-to-wall turfgrass solution for golf courses around the world.

**For More Information About These Outstanding Turfgrass Varieties
And Lists of Quality Licensed Growers Visit:**



For More Information About International Sales and Licensing Contact:



Don Roberts, Director of International Sales
613 225-7500
droberts@manderley.com
www.manderley.com

For More Information About Domestic Sales and Licensing Contact:



Georgia Seed Development Commission
Dr. Mike Garland, Director
706 542-5640
mgarland@agr.state.ga.us
www.gsdc.com

For More Information About Certification and Inspections Contact:



Georgia Crop Improvement Association
Terry Hollifield, Director
706 542-2351
gacrop@bellsouth.net
www.Certifiedseed.org

For More Information About Research and Development Contact:



The University of Georgia Research Foundation, Inc.
Technology Commercialization Office

John Ingle, Director of the Plant Variety Program
706 542-5942
ji@ovpr.uga.edu
www.ovpr.uga.edu/ugarf

For More Information About the University of Georgia Turfgrass Team Contact:



The University of Georgia
College of Agricultural and Environmental Sciences
Mary Flynn 770 228-7289
mflynn@griffin.uga.edu
www.cropsoil.uga.edu/research/turf.php