

ENVIRONMENTAL TURF, INC.

TECHNICAL INFORMATION ON FOUR NEW GRASSES DEVELOPED BY THE UNIVERSITY OF FLORIDA:

UltimateFlora™ Zoysia, Hammock™ Centipede, PristineFlora™ Zoysia,
and Aloha™ Seashore Paspalum

Source: Dr. Brian T. Scully, lead scientist

UltimateFlora™ Zoysia

Ultimate Flora™ Zoysia is a new medium textured genotype of zoysiagrass taxonomically known as *Zoysia japonica* Stued. UltimateFlora™ is essentially a “Meyer-type” zoysiagrass with some distinct differences. Developed by breeders at the University of Florida.

Uses

UltimateFlora™ Zoysia is suitable for use in residential lawns and common areas.

UltimateFlora™ Zoysia can basically be installed anywhere one might use a St. Augustinegrass.

Characteristics

- Texture: UltimateFlora™ has a finer textured leaf blade than either Meyer or Empire zoysiagrass. In comparison to the standard St. Augustine variety Floratam, all of the current zoysiagrasses have a more refined texture. UltimateFlora™ feels softer to the touch.
- Water use: UltimateFlora™ Zoysia ranked “better” than the St. Augustinegrasses for drought resistance/water-use-efficiency.
- Shade tolerance: UltimateFlora™ Zoysia ranked “better” than the St. Augustinegrasses for shade tolerance.
- Wear Tolerance: UltimateFlora™ Zoysia ranked “better” than the St. Augustinegrasses for wear tolerance.

- Insect Resistance: UltimateFlora™ Zoysia is not a preferred host for the chinch bug.
- Fewer Seed Heads: UltimateFlora™ Zoysia has fewer seed heads as compared to Empire and other Meyer types.
- Deeper green color: UltimateFlora™ Zoysia has a deeper green color as compared to Empire and other Meyer types.
- Faster growth rate: UltimateFlora™ Zoysia has a faster growth rate as compared to Empire and other Meyer types. More crops per year than standard zoysiagrasses. Sod producers may expect up to 1-1/2 to 2 crops per year.

Hammock™ Centipede

Hammock™ Centipede is taxonomically known as *Eremochloa ophiuroides* (Munro)

Hack. Developed by the University of Florida.

Uses

Hammock™ Centipede is suitable for use in residential lawns and common areas.

Hammock™ Centipede can basically be installed anywhere in Florida that one might use St. Augustinegrass.

Characteristics

- **Deeper Green Color:** Hammock™ Centipede exhibits a much deeper green color than the standard lime-green appearance typical of many centipedegrass varieties.
- **Low Fertilization:** Hammock™ requires much less fertilizer than St. Augustinegrass. In general, no more than 2 lbs. of nitrogen per 1,000 sq. ft. should be applied to Hammock™ Centipede in a one-year period.
- **Less Frequent Mowing:** Hammock™ requires less mowing than the typical St. Augustinegrass. Can be mowed as infrequently as once every two weeks in the active growing season. Could reasonably mow as little as six times per year.
- **Heat Tolerance:** While no centipedegrass has proven truly successful much further south than Orlando, Florida, Hammock™ Centipede was selected and evaluated for heat tolerance. Hammock™ Centipede is adapted to the soils and climates of South Florida, the Caribbean and beyond.

PristineFlora™ Zoysia

PristineFlora™ Zoysia is an asexually reproduced genotype of Zoysiagrass. It is an “Emerald-type” grass, a hybrid between *Zoysia japonica* Stued by *Zoysia tenuifolia*(L.) Merr. Developed by breeders at the University of Florida.

Uses

PristineFlora™ Zoysia was bred to fit the niches where bermudagrass struggles, specifically in shaded areas. PristineFlora™ Zoysia is well suited to shady golf course tee boxes and fairways, as well as ornamental beds.

Characteristics

- **Texture:** PristineFlora™ Zoysia has a more refined leaf structure and finer leaf texture than Emerald Zoysia. On average, leaf length and leaf width of PristineFlora™ was 21% shorter and 19% narrower than Emerald.
- **Deep Color:** PristineFlora™ Zoysia has a more intense green color than Emerald.
- **Faster Growth Rate:** For sod production, field plots attained 100% cover two months earlier than Emerald. More crops per year than standard zoysiagrasses. Sod producers may expect up to 1-1/2 to 2 crops per year.

Aloha™ Seashore Paspalum

Aloha™ Seashore Paspalum is a medium-fine textured genotype of *Paspalum vaginatum* Swartz. Aloha™ has a canopy morphology that is intermediate to Sea Dwarf™ and Sea Isle-1. Developed jointly by breeders at the University of Florida and University of Hawaii.

Uses

Aloha™ Seashore Paspalum is well suited for use on sports fields, high-end residential lawns and golf courses tee-to-green. Though it has outstanding salt tolerance, high salt irrigation sources or soils are not required.

Characteristics

- **Wear Tolerance:** Aloha™ covered research plots much quicker than either SeaDwarf™, Sea Green® or Sea Isle-1. As comparative studies show that SeaDwarf™ heals twice as fast as bermudagrass on sports-related wear, and that Aloha™ heals even faster, the implications for recovery, recuperation and use of Aloha™ in high wear situations, such as soccer fields, are enormous. In addition, sod producers will find that this turfgrass grows-in faster than some other older paspalum cultivars.
- **Insect Resistance:** Aloha™ has resistance to the green bug aphid.
- **Darker Color:** Aloha™ displays a darker green foliage than SeaIsle-1.
- **Salt Tolerance:** Salt can be used as an herbicide. Salt tolerance up to about 32,000 ppm.
- **Low Fertilization:** No more than 4 to 6 lbs. of nitrogen per 1,000 sq. ft. annually.
- **Low Water Requirements:** Requires up to 50 percent less water for irrigation than bermudagrass.

For more information on any of these grasses, contact: Environmental Turf at 772-460-5575 or www.environmentalturf.com.