



# Zoysia macrantha 'MAC03' Icon™

High Impact, Low Maintenance

Icon is the first improved variety of the Australian-native zoysia species, *Zoysia macrantha*. It is the result of a decade long, multi-generational breeding program and was selected for its medium to broad blade, highly vigorous lateral growth without excessive vertical growth or thatching as well as the ability to maintain turf color and quality under poor fertility conditions. *Zoysia macrantha* is also known to be exceptionally salt tolerant... a trait inherited by Icon!



## WHY ICON?

- Drought Tolerant
- Very Salt Tolerant
- Quick to Establish
- Great Color Retention
- Lower Fertility Needs
- Soft Texture

DESCRIPTION	Fast growing, medium to broad-bladed zoysia grass
HEIGHT	Responds well to tight mowing
POSITION	Full sun to partial shade
CARE	Low maintenance once established. Water as needed
USES	Home and commercial. Great for coastal plantings
SOIL TYPE	Sandy loam to loamy clay, even low fertility soils.

## Breeding Background



Initial breeding selection trial. Prior to this stage came almost a decade of work.



Shown above is the final breeding selection trial

The objective of the Icon breeding program was simple: create a **USER FRIENDLY** zoysia grass that can be established and maintained with less water and less fertilizer. The primary selection criteria? Speed... a fast rate of establishment. Beyond that, turf quality, turf color and aesthetics were all a close second.



Icon grew much faster than any other *Z. macrantha* accession in the program.



Common *Zoysia macrantha* at the same age.

Since the final selection of the cultivar we now call "Icon" (marketed as "Nara" in Australia), it has been trialed at numerous sites throughout eastern Australia and the southeastern US, from warm coastal climates to temperate areas of USDA Zone 8. The results have been very encouraging, with rapid establishment on all sites. Even in sandy soils with minimal maintenance, Icon exhibits rapid lateral spread with good turf quality and color. Icon is now in commercial production and feedback from growers and end users, both in Australia and the US, has confirmed the variety characteristics observed during research and development. Subsequent years of trialing and production are also showing that Icon has very good fall color and spring green-up compared to other zoysia varieties.

## Technical Data

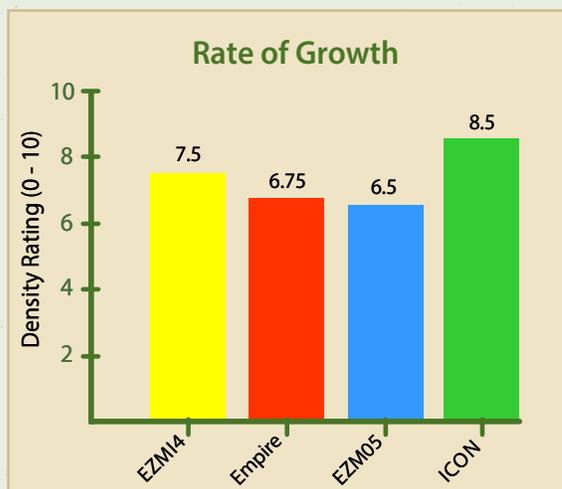
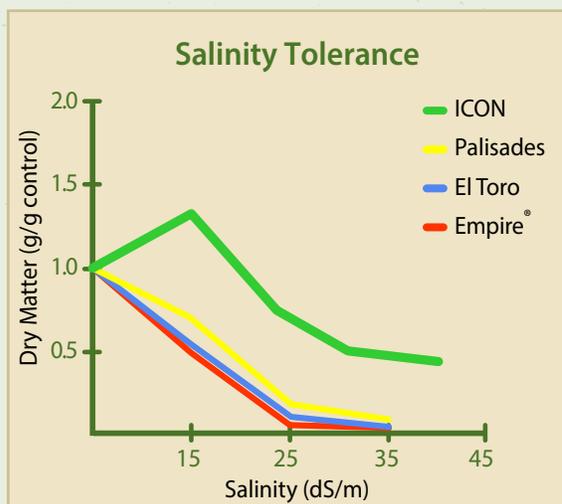
### Characteristics & Attributes

Category	Notes
Growth Habit	Vigorous stolon growth & branching, without excessive vertical growth
Blade Attributes	Jade-green color; Medium texture (mean width of 3.8mm); Low thatch
Foliage Color	Improved fall color retention and early spring green-up
Fertility Requirement	LOW: Maintains color and vigor, even in poor soils with a low-fert regimen
Wear/Injury Recovery	EXCELLENT: Due to Icon's very vigorous stolon branching & lateral growth
Insect & Disease	To date, Icon has not shown particular susceptibility to known zoysia pests
Salt Tolerance	EXCELLENT: A hallmark feature of <i>Z. macrantha</i> , also exhibited by Icon
Cold Hardiness	GOOD: In trials, Icon survived persistent temps of 10° F in USDA Zone 7b
Drought Tolerance	VERY GOOD: <i>Z. macrantha</i> is native to very dry, rocky coastline cliffs.
Shade Tolerance	GOOD: In common with other Zoysia varieties; approx. 30-50% shade

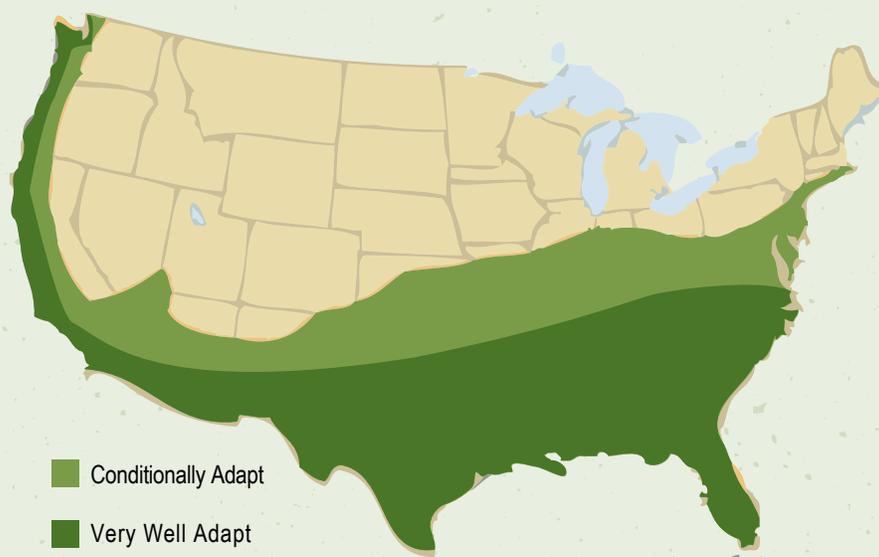
[www.IconZoysia.com](http://www.IconZoysia.com)

US Patent No. PP21,789 - Unauthorized Propagation Prohibited

### Comparison Data



### Hardiness & Adaptability



**TOP LEFT:** Data from "Amenity Grasses for Salt-Affected Parks in Coastal Australia", Department of Primary Industries & Fisheries, Queensland, Redland Shire Council, and Horticulture Australia Ltd. Loch, D. S., et al. (2006). **TOP RIGHT:** Icon, like all zoysiagrasses, is best suited to USDA Zones 8 and warmer. However, zoysiagrass is regularly used for specific applications throughout the Transition Zone (represented by the light green area). **BOTTOM LEFT:** Data from Australia Plant Breeder's Rights comparison trials. These ratings are based on: 1- the number of runners reaching the edge of a 4.5 foot diameter ring; 2- percentage of said ring covered by turf; and 3- the average length of longest the runners.

**ICON**  
ZOYSIA GRASS™