

TRADEMARK:	Empire™ Zoysia	BOTANICAL NAME:	Zoysia japonica
PBR:	SS-500 This variety is protected by Australian Plant Breeder's Rights (PBR)		

KEY FEATURES:



- Empire™ Zoysia is one of the most popular Zoysia grasses in Australia due to its low maintenance.
- Empire™ Zoysia once established, in most applications, has a very high drought tolerance and is quickly becoming known as a tough, hardwearing turf.
- Empire™ Zoysia can survive on natural rainfall and if left to its own devices, saves on long-term mowing, pesticides, de-thatching and fertiliser.
- Empire™ Zoysia has improved pest and disease resistance and tolerates low to moderate salinity.
- Empire™ Zoysia has excellent fast initial growth across the ground compared to other Zoysias. Its runners are highly branching, which provides excellent recovery from wear.
- Empire™ Zoysia's nickname is "E.Z." grass and is commonly referred to as the "easy grass".
- Empire™ Zoysia has been proven to significantly strengthen soil by 48%, improving erosion control of roadsides, steep embankments, batters, stream embankments, retaining walls and foreshores compared to Couch (3.2%) and Kikuyu (9.7%)¹.
- Empire™ Zoysia can endure long periods of non-attention, but when well maintained looks lush and maintains colour year-round, so is suited to a large range of commercial purposes.
- Empire™ Zoysia meets the Erosion Control Australian Standard No# AS5181: 2017 – *Use and installation of turf as an erosion, nutrient and sediment control measure.*

MORPHOLOGY:

PLANT	Growth:	Stolons and rhizomes	Vigour:	Strong to very strong
STOLON	Stolon length:	Long to very long	Stolon diameter of node:	Medium to broad
	Internode length:	Long (35mm)	Internode thickness:	Broad
	Internode colour:	Greyed-purple		
LEAF BLADE	Shape:	Ligulate	Length:	Very long (120-140mm)
	Width:	Medium (2-2.3mm)	Colour:	Green

PERFORMANCE:

FIT FOR PURPOSE	<p>All-purpose turf: Domestic, roadwork's and projects that require low long-term maintenance.</p> <ul style="list-style-type: none"> • Roadworks across Australia for erosion control. • Windy coastal areas due to tolerance of higher salt levels. • High density domestic housing developments. • Shopping centres and large landscaping projects.
ESTABLISHMENT	Establish spring to autumn. Slow growing in winter.
DROUGHT TOLERANCE	Very high
WATER REQUIREMENTS	Required for establishment, then can exist on rainfall due to deep rooted system (<i>far less than Couch and Kikuyu</i>).
MAINTENANCE	Low (<i>far less than Couch and Kikuyu</i>).
MOWING	About 2-4 mows per year for civil/projects to maintain a dense sward and for erosion control for drainage works.

Continued...

PERFORMANCE (continued):

MAXIMUM UNMOWN HEIGHT	100-150mm
RECOMMENDED MOWING HEIGHT	20-30mm
THATCHING	Low (<i>no need for vertimowing when less maintenance is required</i>).
FERTILISER	Recommended 1 a year (<i>far less than Couch and Kikuyu</i>).
COLOUR	Vibrant in summer and, although dormant in winter, it maintains colour well.
WEAR TOLERANCE	High (<i>based on silica content</i>).
SHADE TOLERANCE	Medium - 40%-50% shade tolerance (<i>higher tolerance than Couch and Kikuyu</i>).
COLD TOLERANCE	Tolerates to -12°C. Following frost, regenerates well after first mow.
SALT TOLERANCE	High (<i>higher tolerance than Buffalo and Couch</i>).
WEED RESISTANCE	Out competes weeds due to its dense sward when maintained.
DISEASE RESISTANCE	High

AVAILABILITY:

QLD, NSW, VIC, SA & WA (not yet available in NT)

ADVISORY:

John Keleher, Agronomist, TPI Board Member & Turf Farmer

REFERENCES:

- Layt, T. & Paananen, I. (2007) *Quantifying the strengthening of soil by commonly used landscape plants and turf*.



Domestic lawn application



Roadside application

LICENSING & COMMERCIAL ENQUIRIES:

TurfBreed Pty Ltd's contracts under license a large network of growers across the country to grow Empire® Zoysia fit for purpose and region.

To discuss how Empire® Zoysia can become part of your new project or as a long-term erosion control measure, please contact our Territory Managers.

DANIEL PIEPER

BUSINESS DEVELOPMENT
MANAGER - QLD

E: dpieper@turbreed.com.au
M: 0455 533 372

LIZ STEVENSON

BUSINESS DEVELOPMENT
MANAGER - NSW

E: lstevenson@turbreed.com.au
M: 0419 420 084

NATHAN TOVEY

MANAGER SERVICES
- VIC, SA, NT & WA

E: ntovey@turbreed.com.au
M: 0491 681 865

STEVE BURT MANAGING DIR.

BUSINESS DEVELOPMENT
MANAGER - VIC, SA, NT & WA

E: sburt@turbreed.com.au
M: 0419 007 398

PO Box 2034
Box Hill North, Victoria 3129
P (Administration): 1800 572 174
F: 03 8677 9499
E: admin@turbreed.com.au
www.turbreed.com.au