

<b>TRADEMARK:</b>	<b>Nara™ Native Zoysia</b>	<b>BOTANICAL NAME:</b>	<b><i>Zoysia macrantha</i></b>
<b>PBR:</b>	<b>MAC03</b> This variety is protected by Australian Plant Breeder's Rights (PBR)		

## KEY FEATURES:



- MAC03 is recognised by the Australian Cultivar Registration Authority (ACRA) as being an Australian native grass.
- Nara™ Native Zoysia is a fast-establishing native grass that is low maintenance, has a high tolerance to salt, fungal and pest incidence.
- Nara™ Native Zoysia shows superior attributes that makes it a resilient choice of turf that stands-up to Australia's harsh conditions.
- Nara™ Native Zoysia is specified for road works and soil erosion control, as it performs extremely well in wet areas.
- Nara™ Native Zoysia, once well-established in most applications, can survive on natural rainfall and has been seen to endure long periods of non-maintenance.
- When well-maintained, Nara™ Native Zoysia looks lush and holds colour throughout the seasons.
- When left to its own devices, Nara™ Native Zoysia saves on long-term mowing, pesticides, de-thatching and fertiliser.
- Nara™ Native Zoysia meets the Erosion Control Australian Standard No# AS5181: 2017 – *Use and installation of turf as an erosion, nutrient and sediment control measure.*

## MORPHOLOGY:

<b>PLANT</b>	Growth:	Stolons and rhizomes	Vigour:	Strong to very strong
<b>STOLON</b>	Stolon length:	Long to very long	Stolon diameter of node:	Medium to broad
	Internode length:	Medium	Internode thickness:	Broad
	Internode colour:	Greyed-purple		
<b>LEAF BLADE</b>	Shape:	Ligulate	Length:	Long
	Width:	Fine to Medium	Colour:	Yellow-green

Note: Data is relative to other commercial Zoysia grass varieties trialed. <sup>1</sup>

## PERFORMANCE:

<b>FIT FOR PURPOSE</b>	<p>All purpose native turf for projects that require highly resilient, wet under foot and a low maintenance grass.</p> <p>As Nara™ is an Australian native, it is specified into projects that require native-only grasses e.g. national parks, native reserves, council roadworks and domestic use.</p> <ul style="list-style-type: none"> <li>• Roadworks across Australia for erosion control.</li> <li>• Where a 'native' grass variety is specified.</li> <li>• Windy coastal areas due to tolerance of very high salt levels.</li> <li>• Shopping centres and large landscaping projects.</li> </ul>
<b>ESTABLISHMENT</b>	Quick to establish in spring to autumn. Slow growing in winter. Optimum time to plant in regions south of Albury, New South Wales is October to March.
<b>DROUGHT TOLERANCE</b>	Very high
<b>WATER REQUIREMENTS</b>	Required for establishment, then can exist on rainfall due to deep root system ( <i>far less than Couch and Kikuyu</i> ).

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## PERFORMANCE (continued):

MAINTENANCE	Very 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.
MAXIMUM UNMOWN HEIGHT	100-150mm
RECOMMENDED MOWING HEIGHT	25-50mm
THATCHING	Low ( <i>no need for vertimowing when less maintenance is required</i> ).
FERTILISER	Recommended 1 per year ( <i>far less than Couch and Kikuyu</i> ).
COLOUR	Vibrant in summer and, although dormant in winter, 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	Very high ( <i>higher tolerance than Buffalo, Couch and Paspalam</i> ) <sup>2</sup> .
WEED RESISTANCE	Out competes weeds due to its dense sward when maintained.
DISEASE RESISTANCE	High
PEST RESISTANCE	Less susceptible to lawn grubs and other pests.
SEED HEAD	In early spring, produces a non-fertile white seed head. At other times, this is an indication of stress, poor soil or polluted water.

## AVAILABILITY:

QLD, NSW, VIC, SA & WA

\*Confirm and clarify growing zones

## ADVISORY:

John Keleher, Agronomist, TPI Board Member & Turf Farmer

## REFERENCES:

1. Paananen, I. (2008) *Zoysia macrantha Zoysia Grass 'MAC03'*. Plant Varieties Journal Vol. 21, No. 1.
2. Loch, D. S., R. E. Poulter, et al. (2006). '*Amenity Grasses for Salt-Affected Parks in Coastal Australia*', Department of Primary Industries & Fisheries, Queensland, Redland Shire Council, and Horticulture Australia Ltd. HAL project number: TU02005.



Parks and Leisure application



Council site for a public amphitheatre

## LICENSING & COMMERCIAL ENQUIRIES:

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

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

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