

TRADEMARK:	Nara™	BOTANICAL NAME:	<i>Zoysia macrantha</i>
PBR:	MAC03 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™ is a fast-establishing native grass that is low maintenance, has a high tolerance to salt, fungal and pest incidence.
- Nara™ shows superior attributes that makes it a hardy choice of turf that stands-up to Australia's harsh conditions.
- Nara™ is specified for road works and soil erosion control, as it performs extremely well in wet areas.
- Nara™ can survive on natural rainfall and has been seen to endure long periods of non-maintenance.
- When well-maintained Nara™ looks lush and holds colour throughout the seasons.
- When left to its own devices, Nara™ saves on long-term mowing, pesticides, de-thatching and fertilisers.
- Nara™ 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:	Medium	Internode thickness:	Broad
	Internode colour:	Greyed-purple (RHS 187A)		
LEAF BLADE	Shape:	Ligulate	Length:	Long
	Width:	Fine to Medium	Colour:	Yellow-green (RHS 146B)

Note: Data is relative to other commercial Zoysia grass varieties trialled. ¹

PERFORMANCE:

PURPOSE	All purpose native turf for projects that require highly resilient, wet under foot and a low maintenance grass. 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.
ESTABLISHMENT	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.
MOWING	Survives well unmown and unattended e.g. road works drainage areas. Otherwise approx. 2 mows per year for civil/projects to maintain a dense sward and for erosion control for drainage works.
MAXIMUM UNMOWN HEIGHT	100-150mm
MAINTENANCE	Low maintenance (<i>far less than Couch and Kikuyu</i>).
RECOMMENDED MOWING HEIGHT	25-50mm
WATER REQUIREMENTS	Required for establishment, then can exist on rainfall due to deep root system (<i>far less than Couch and Kikuyu</i>).

Continued...

PERFORMANCE (continued):	
COLOUR	Vibrant in summer and, although dormant in winter, maintains colour well*.
FERTILISER	Recommended 1 per year (<i>far less than Couch and Kikuyu</i>).
DROUGHT TOLERANCE	High
DISEASE RESISTANCE	High
WEAR AND TEAR RECOVERY	High (<i>based on silica content</i>).
SEED HEAD	In early spring, produces a non-fertile white seed head. At other times, this is an indication of stress, poor soil, polluted water etc...
COLD TOLERANCE	Tolerates to -12°C. Following frost, regenerates well after first mow.
HUMIDITY TOLERANCE	High
SALT TOLERANCE	Very high (<i>higher tolerance than Buffalo, Couch and Paspalam</i>) ² .
WEED RESISTANCE	Out competes weeds due to its dense sward when maintained.
SHADE TOLERANCE	Med 40%-50% shade tolerance (<i>higher tolerance than Couch and Kikuyu</i>).
PEST RESISTANCE	Less susceptible to lawn grubs and other pests.
THATCHING	Low (<i>no need for vertimowing when less maintenance is required</i>).
FIT FOR PURPOSE	<ul style="list-style-type: none"> • Roadwork's across Australia for erosion control. • Where a 'native' grass variety is specified. • Windy coastal areas due to tolerance of higher salt levels. • Shopping centres and large landscaping projects.

*Confirm and clarify growing zones

CURRENT PLANTINGS INCLUDE:		
NSW	QLD	
<ul style="list-style-type: none"> • Great Western Highway, Lawson. • Cowpasture Road, cnr Green Valley Road, Cecil Hills. • Camden Valley Way, cnr Anderson Road, Preston. • Palm Beach, NSW 	<ul style="list-style-type: none"> • Mac Developments, Rockhampton. • Cairns Foreshore. • Windsor Upgrades, Sydney West - Spoon Drains. • Redcliffe Foreshore - Children's Play Areas. • Peregian Springs, Elysium Drive. 	<ul style="list-style-type: none"> • Byron Bay Foreshore Redevelopment. • Noosa Springs Housing. • Airlie Foreshore Redevelopment. • Gateway Highway Project. • Brisbane Highway Project. • Mooloolaba Foreshore BBQ Area.

ADVISORY:

John Keleher, Agronomist, TPI Board Member & Turf Farmer • Matt Roche, Agronomist & Consultant at Australian Sports Turf Consultants

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.

LICENSING & COMMERCIAL ENQUIRIES:

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

To discuss how Nara™ 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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