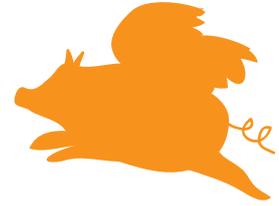




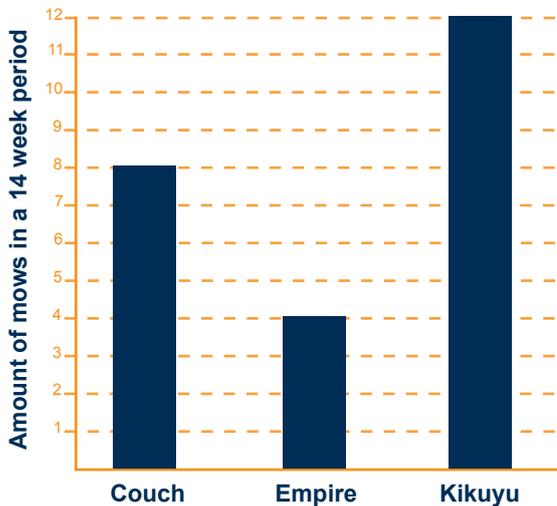
## LESS MOWING

Pigs flying seems impossible, so does Empire needing 1/3 the mowing of Kikuyu and 1/2 the mowing of Couch. The pigs may not be able to fly, but Empire has been proven in research to need 1/3 - 1/2 the mowing. Research by Ian Paananen (Australia).



For more info: [www.empireturf.com.au/empire-turf-research2.html](http://www.empireturf.com.au/empire-turf-research2.html)

Average Mowing Frequency for Spring/Summer 2005



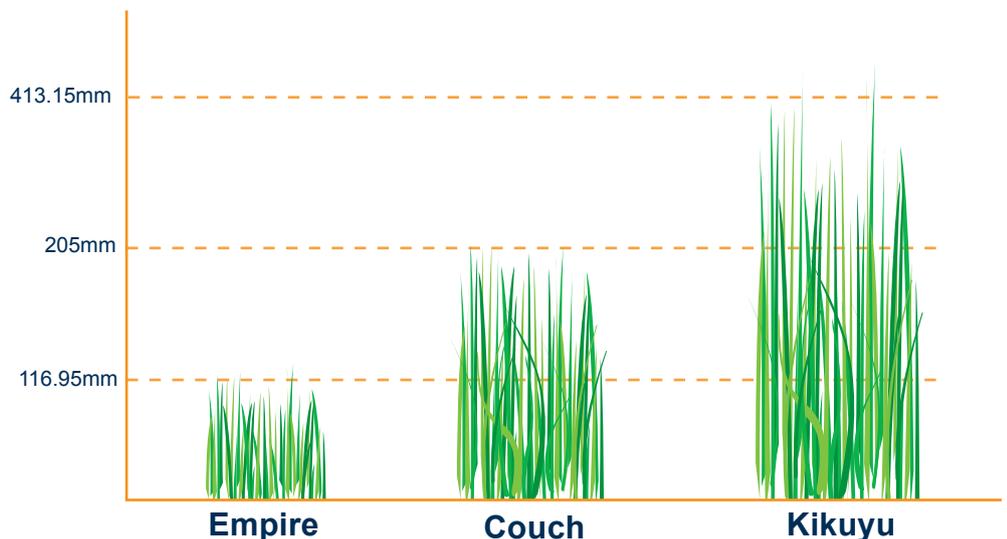
## MOWING COSTS

Australian research shows that Empire needs a lot less mowing than other turf types. This cuts costs dramatically if you are hiring a mowing contractor, paying staff or doing it yourself. It also reduces carbon emissions from mowers. Even for a house, research has shown that you can save \$1,055.60 using Empire instead of Kikuyu and \$609.60 using Empire instead of Couch. For commercial lawns, imagine the saving!

NOTE: Empire also need significantly less mowing than Buffalo types. For more info go to [www.empireturf.com.au/empire-turf-research2.html](http://www.empireturf.com.au/empire-turf-research2.html)

## EMPIRE REMAINS SHORT WHEN UNMOWN

After being left for 20 weeks without mowing, Empire only grew to 116.95mm compared to Kikuyu which grew to 413.15mm and Couch 205mm. Empire looked far better as it does not get too untidy. Shademaster Buffalo grew on average to 160.9mm.



For more info go to [www.ozbreed.com.au/research-papers/3yr-no-mowing-results.html](http://www.ozbreed.com.au/research-papers/3yr-no-mowing-results.html)



## LESS EDGING

Empire requires less edging than Couch, Kikuyu and Buffalo. It is the safer choice around gardens. In fact, Kikuyu and Couch need 10 times more edging.

NOTE: based on actual edging practices.

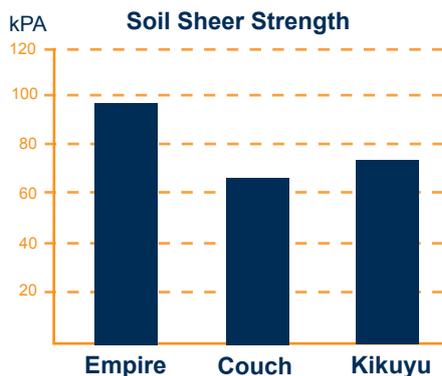
## DROUGHT TOLERANCE

In the largest drought study on turf in the world, of all the varieties available in Australia only a few couch varieties and Empire Zoysia were approved as drought tolerant enough. No Buffalo types in Australia made it.

The study was conducted in a desert type area of the USA (see [www.ozbreed.com.au/download/Saws.pdf](http://www.ozbreed.com.au/download/Saws.pdf)).

Another study by the University of Florida also shows Empire has good recovery from drought (see [www.ozbreed.com.au/download/UniFloridaEmpire.pdf](http://www.ozbreed.com.au/download/UniFloridaEmpire.pdf)).

## GREAT FOR SLOPES



Empire is the best turf for strengthening soil which means a safer choice for steep slopes and retaining wall areas. Empire strengthens the soil significantly, at a rate of 97.9 kPA, considerably more than Couch at 68.1 kPA and Kikuyu at 72.4 kPA. Kilopascals (kPA) measure the strength of soil by shear strength.

From Australian study. For more info: [www.ozbreed.com.au/research-papers/erosion-research.html](http://www.ozbreed.com.au/research-papers/erosion-research.html)

LESS PESTICIDES

## PEST & DISEASE RESISTANCE lawn grub resistant



University research proves Zoysia is resistant to Army Worm and Web Worm. It is also less damaged by Black Beetle. Mealy bug, as with some other turf types, has caused some problems, but it is easily fixed and mainly causes problems in the more humid areas of Australia. Empire has had no major disease problems.

For more info and new info: [www.empireturf.com.au/pdf/EmpireTurf24pg.pdf](http://www.empireturf.com.au/pdf/EmpireTurf24pg.pdf)

## HERBICIDE TOLERANCE

Most weeds can be easily removed from Empire by use of selective herbicide (see label). A recent study showed remarkable resistance to some herbicides. Kikuyu can even be selectively sprayed out by professionals.

More info: [www.ozbreed.com.au/download/ElevatedRatesofHerbicidesEMPIRE.pdf](http://www.ozbreed.com.au/download/ElevatedRatesofHerbicidesEMPIRE.pdf)

## LESS FERTILISER

Empire needs less fertiliser to maintain acceptable quality. Research from the University of Florida.

More info: [www.ozbreed.com.au/download/UniFloridaEmpire.pdf](http://www.ozbreed.com.au/download/UniFloridaEmpire.pdf)