# invest in your future
## good for the environment

Jimboomba Turf Group
*green solutions*

Turf is a source of pleasure for us as we live our lives, play with the kids, wrestle with the dog, go for a walk through the park or play sport.

It also has **environmental benefits** - reducing carbon dioxide, acting as an air conditioner and reducing soil erosion.

## carbon

Turf absorbs carbon from the atmosphere and stores it in the soil. It has a greater ability to do this than trees, meaning it can also produce oxygen more efficiently.

Studies have shown that grass continues to store carbon even at high levels of carbon dioxide - unlike trees, that 'shut down' when overloaded.

Every day 15m$^2$ of lawn **provides all the oxygen** needed by one person for that day.

## OFFSET YOUR CARBON OUTPUT:

# soil erosion

Lawns help filter rainwater into the soil, preventing erosion and runoff of potential contaminants into water sources. Turf is the **most cost-effective method** for controlling wind and water erosion. turf promotes high populations of microorganisms in the thatch layer and topsoil, which act to break down impurities and filter the water before it enters the water table

**DID YOU KNOW?**
Parliament House in Canberra was designed purposefully to have turf on the roof not only to reduce noise but also to assist with insulation and the **reduction of air conditioning costs**

# turf also ...

- protects houses against bushfires: turfgrass around buildings helps retard the spread of fire
- produces new soil: 'grasscycling' – leaving clippings on the lawn and allowing them to decay naturally – creates new soil and releases nutrients as the clippings decompose
- absorbs noise and can be especially helpful in urban areas. For example grassed slopes beside lowered motorways reduce noise 8 to 10 decibels

**grass** provides a greater cooling effect than trees and can achieve the same cooling as a pool or lake, but is 40% less wasteful in water evaporation

# your green air conditioner

Turf makes the surrounding environment cooler and **increases the cooling capacity** of your home. Properties with turf will be much cooler than properties surrounded only by pavers or concrete.

The temperature of a green lawn in mid summer can be:

- 10°C less than bare soil
- 20°C less than pavers or concrete

Grass functions as an air conditioner with the capability to cool, even in urban areas. The cooling power of turf helps **conserve energy and save money** as air-conditioning use can be significantly lowered.

One average front lawn has the cooling affect of 8.75 tonnes of air conditioning (an average home air conditioner only has a 4 tonne capacity), without the negative effects on the environment like carbon dioxide emissions.

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# good for the environment and good for us

Research studies have found that:

- grassy areas create feelings of serenity, privacy, thoughtfulness, happiness or reflection
- turf is the **safest surface** for outdoor leisure activities, games and sports
- psychologically, the colour green makes us feel closer to nature and makes us feel rested
- turf is usually the centerpiece of a garden and most people still regard a turfed yard as **part of the Australian dream**
- and while many of us see it as a chore, mowing your lawn gets you outdoors and provides valuable cardiovascular exercise!

**DID YOU KNOW?**

you can use water from your washing machine to water your lawn - grass is very effective at absorbing nutrient from waste water

# do it now!

visit our display centre **243 Bradman Street Acacia Ridge**

visit our website **www.jimboombaturf.com.au**

call us **13 TURF**

**talk to us** about how turf takes carbon from the air and stores it in the soil

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