

Take control of your irrigation



MAIT
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Monitoring & Control Solutions
Agriculture • Turf • Environment

Smart watering is your key to efficient turf management

If you are responsible for maintaining any large area of turf, from a stretch of median strip to hectares of sports grounds, you're probably under pressure to be more accountable and more efficient with water.

Water is a precious resource, and it is only going to become more expensive. You need all the help you can get to manage your water use wisely, and that's where iNTELLiTROL® comes in. iNTELLiTROL® is all about providing you with better information, and better information means better decisions.

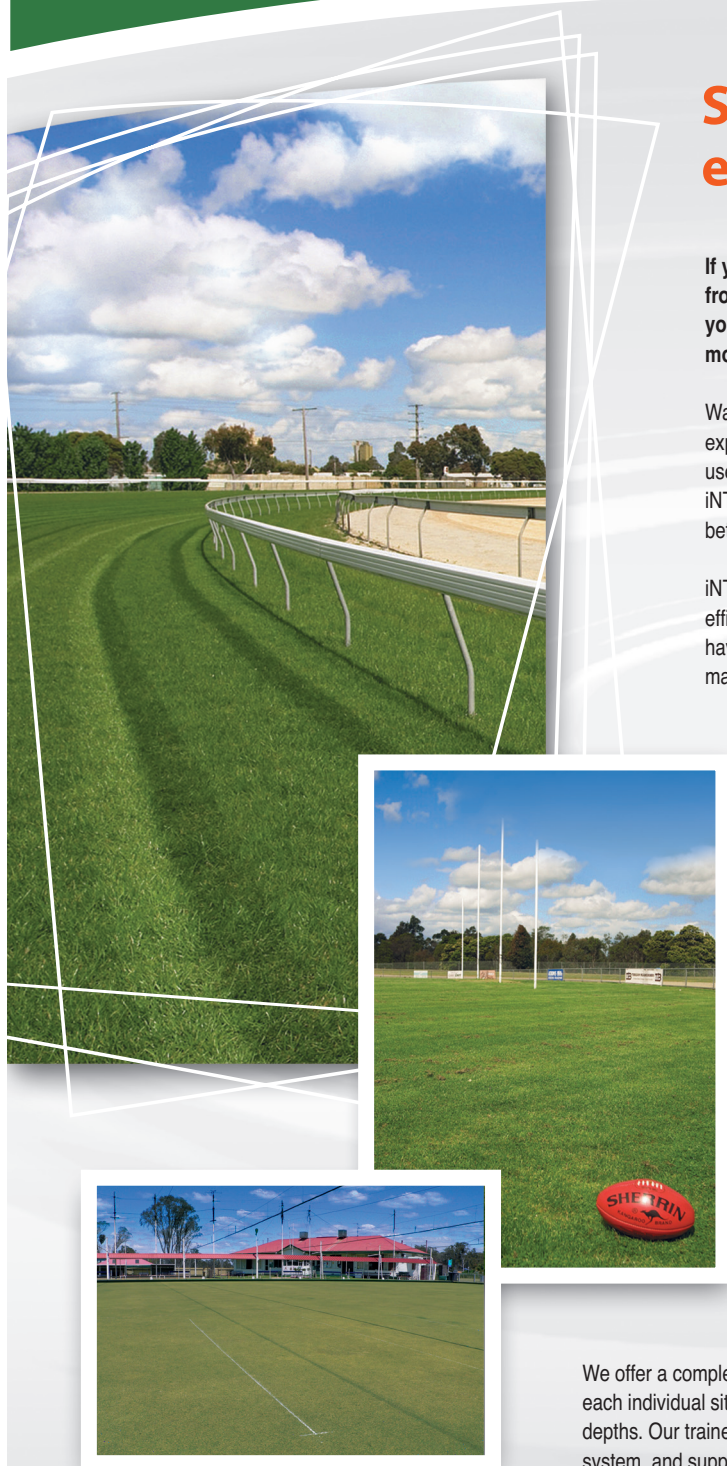
iNTELLiTROL® makes your existing system smarter and more efficient at minimal expense. You'll use less water, do less work and have healthier turf. It's a very cost-effective solution to your water management requirements.

WHAT IS INTELLITROL?

We install a soil moisture sensor to measure wetting and drying in the active root zone of your turf. This sensor connects to our logging and control board, which is typically situated next to your existing time-based controller. Conditions within the root zone are continuously sampled and stored. We use this data, combined with on site inspections, to determine the ideal moisture profile for your situation.

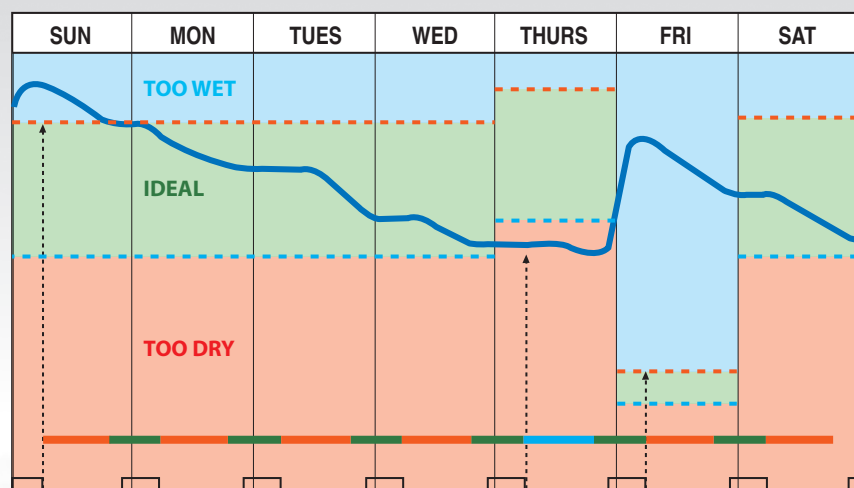
It's not the quantity of water applied to a crop that is important. It is the quantity of intelligence applied which determines the results - Alfred Deakin Minister for Water Supply 1890

We offer a complete service package that eliminates the hassles. We are able to study each individual situation to ensure that we collect data from the most suitable locations and depths. Our trained system designers carefully determine accurate set points for the system, and support you with data interpretation if needed.



i N T E L L i T R O L

EXAMPLE OF IRRIGATION SCHEDULING WITH INTELLiTROL



KEY

- HIGH SET-POINT
- LOW SET-POINT
- DISABLED IRRIGATION
- ENABLED IRRIGATION
- NON ACTIVE IRRIGATION
- MOISTURE LEVEL AS MEASURED

Once the set points have been determined, we connect the INTELLiTROL® controller to the time-based controller. Your normal irrigation cycles are programmed into the time-based controller, but irrigation will only occur if the soil moisture has actually reached the low set point. Irrigation will then remain enabled until the soil's moisture has reached the high or full set point. (See illustration). Irrigation is then disabled once the soil moisture reaches the full point or above.

CUSTOMISED AND DURABLE

Carefully planned installations will ensure that your soil moisture sensors deliver results for years to come. The correct sensor, installed at the correct location and at the correct depth, will provide invaluable information. You can then develop and manage your irrigation programmes based on what really matters; the amount of moisture in the root zone of the turf.

RAIN SENSORS

Rain sensors allow us to disable the irrigation system only when a rain event has effectively watered the area and not just when rain starts to fall. Other sensors are available to monitor flow and pressure within the irrigation system, and these can be used to disable irrigations when faults are detected.

GSM MODEMS & WEB ACCESS

GSM modems allow operators and managers to remotely access data, and adjust set points by dialing directly into each site. We are currently working to perfect a system that will allow users with complex needs to remotely access data via a secure web site.

UPGRADING TIME-BASED CONTROLLERS

Watering systems controlled by INTELLiTROL® are typically much less labour intensive than simple, timer-only or manual systems. The added benefit is that you are able to turn your existing time-based controllers into smart watering systems with minimal investment.

MEASURE WHERE IT MATTERS



AUTHORISED DEALER:

INTELLiTROL® delivers class-leading reliability, stability and real value for money. Contact MAIT Industries today and find out just how big a difference INTELLiTROL® can make to your water management.

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