



iNTELLiPUMP

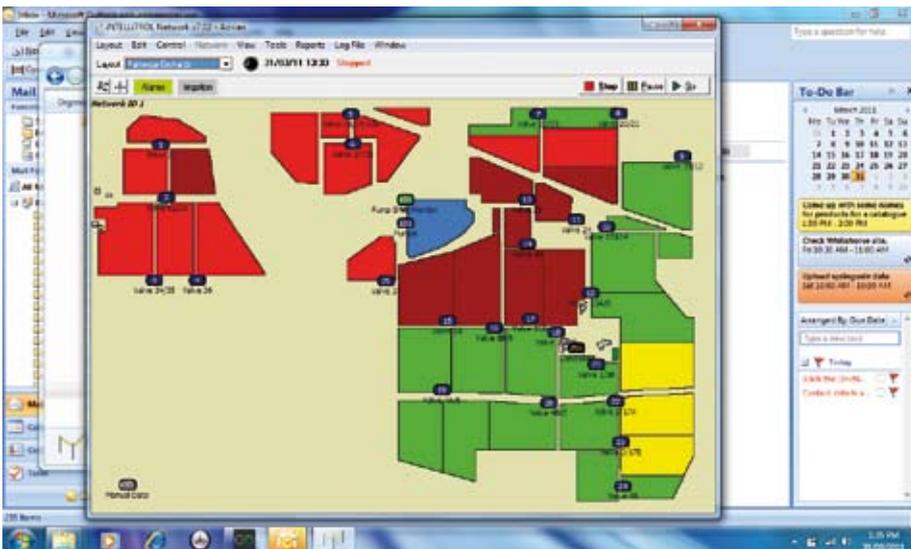
Use your computer to automate your irrigation system

iNTELLiPUMP is the control system with a host of exclusive features, plus the added benefit of being able to integrate with a serious monitoring system — all at a very cost-effective price. Why would you muck around with anything less professional and efficient for your business?

Applying the correct amount of water at the correct time reduces crop stress and susceptibility to disease and pests, plus increases the crop's long-term sustainability and profitability.

"We had a look at several different control systems when we were getting ours designed. Our irrigation designer recommended iNTELLiPUMP as the best one — for its value, as well as all the things it can do. It's easy to use and everything's there for reporting, readily on display. I like how you can check flow, to see if there's been any problems."

— Mark Trzaskoma, Battunga Orchards, Warragul, Vic



"It's been fantastic: the orchard virtually waters itself. We have 130ha under irrigation, and just wouldn't be able to manage without it. It means we can irrigate at night if we have to, or around the clock if the conditions demand. We looked at other systems, but were keen to keep using iNTELLiPUMP, and have since added the management side [iNTELLiTROL]."

— Martin Sebire, Wandin Valley Farms, Boweya, Vic

iNTELLiPUMP:

- is installed on a PC reducing the cost for expensive field control stations
- is simple to learn
- allows you to bring in all devices used in monitoring (including weather stations, flow meters, monitoring bores and soil moisture probes)
- has an easy-to-read display allowing you to instantly see how things are working
- can be easily integrated into your existing iNTELLiTROL system so you can add control to your monitoring solution
- conversely, iNTELLiTROL can be easily integrated into your existing iNTELLiPUMP control system
- is an effective stand-alone control
- has been designed by Australian agronomists and engineers, with farmer input
- is made in Australia
- allows you to easily expand the system by adding additional boards with no extra software costs
- offers 2 remote control options (24VAC or 12VDC) where power is not available
- lets you control a limitless numbers of pumps (including fertigation pumps)
- has fault alarms
- lets you control irrigation in the way that best suits you (time, moisture, ET, air temperature, etc..)
- has more sophisticated rain-control options than just simple "rain switches"
- lets you schedule a limitless number of irrigation programmes
- offers exceptional value for money
- AND can even be used for automating flood-irrigation systems



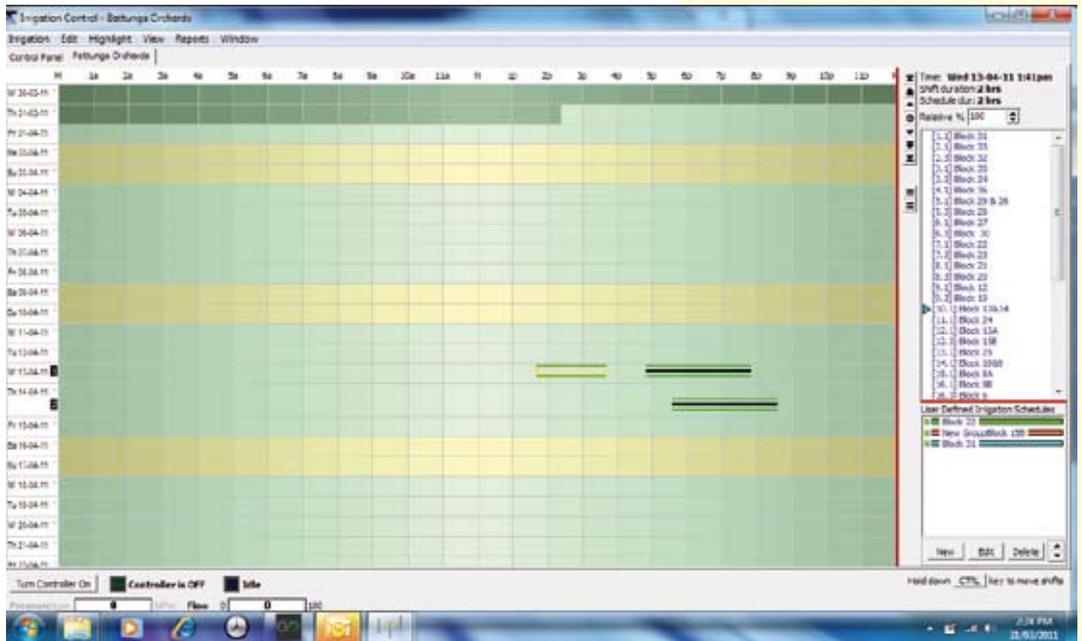
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"I chose iNTELLiPUMP after speaking to people who had it and said it was a great system. I already had another automated system, but I'm not completely happy with that. iNTELLiPUMP saves a lot of time – I don't have to go around turning valves on and off, so I can concentrate on sales and marketing. It's made irrigation management a lot better. The ease of expanding is exactly what we need: we added another 10ha of irrigation this year, with probably another 50ha to come next year, and it doesn't cost any more for MAIT's software. Plus I can just link it into the irrigation management."

— Michael Tripodi,
Redland Orchards,
Lake Boga, Vic



Why is iNTELLiPUMP so easy to use?

Benefits	How it makes your life simpler
Remote control via a PC. No need for expensive control points or PLC units in the field.	Irrigation scheduling and control software are installed on a PC, which monitors, sends control commands and automates irrigation schedules. With phone or internet access to the PC, you can be anywhere and remotely control iNTELLiPUMP.
Cabled or wireless solutions reduces set-up costs and wear and tear in years to come.	Having the flexibility to connect control points in the field to a PC via cable (generally for smaller installations) reduces the installation cost. Where cabled systems are not practical or cost effective, control sites in the field can be linked to your PC via radio telemetry. Multiple control sites in the field can be linked via cable, and then transmitted back to the PC via radio telemetry. These options provide flexible and cost-effective solutions to individual requirements.
12VDC or 24VAC control.	Provides 2 options for control: where 24V power is available, 24VAC boards can control up to 16 24VAC solenoids; these can be linked together to expand the number of solenoids needed to control. Where power is not available, remote 12VDC latching solenoids can be controlled via radio or cable in groups of 4 per board using solar and a 12V battery.
Thousands of valves and pumps can be controlled within the one system.	There are practically no limits to this system's expandability, because a virtually limitless number of valves and pumps can be conveniently grouped into individual controllers. This makes iNTELLiPUMP very flexible and powerful.
A limitless number of schedules can be programmed.	Because there are no practical limitations to programming multiple irrigation schedules and combinations, you have the power to develop and implement innovative water-management programmes that suit your operation.
Irrigation control can be based on a range of relevant sensor inputs: time, moisture, ET, air temperature, etc..	iNTELLiPUMP is not just a time-based system; it offers you a range of control options, increasing its flexibility and use to you.
System performance and fault alarm.	Pressure and flow sensors can be measured and recorded and used to track the irrigation system's performance or for notification of system faults, in conjunction with the alarm system.
Advanced rain over-ride to suspend irrigations.	iNTELLiPUMP offers greater rain control options: rather than using simple rain switches, the system can suspend irrigation events after programmed amounts of rain over certain periods of time using integrated rain gauges that measure and record rain events.
Expandable and upgradeable.	iNTELLiPUMP has been designed to provide cost-effective expandability and upgradeability. Additional control boards can be easily connected to the system to expand its size with no additional software costs. Additional boards are simply connected to the existing network and the software is programmed for the new sites.
Fully integrated with monitoring system.	iNTELLiPUMP offers users the flexibility to incorporate sensors, soil moisture, air temperature, weather, plant and many others that can be used to record information or integrated for automation.
Multiple pump control.	Virtually limitless numbers of pumps can be controlled with iNTELLiTROL including fertigation pumps (this is time based, not volume based).

To improve the quality of your crop, and your bottom line by increasing water-use efficiency, call us on 1300 739 920, or visit www.mait.com.au for more information on products, case studies and white papers.

MAIT iNTELLiPUMP: a best-in-class irrigation-control solution. It's effective, easily integrated, straightforward to use and exceptionally well priced. It's the professional control system you need, allowing you to get on with the business of making profit.

AUTHORISED DEALER

"During the irrigation season the system [iNTELLiPUMP] is my best mate! We can water different soil types in the vineyard for different lengths of time, providing a uniform vineyard. We simply drag and drop different blocks on the computer screen – easy to use".

— Roy Date, Date Brothers Wines,
Swan Hill, Vic



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