

Pivot Control Tools Providing Efficiency to Preserve, Conserve and Protect

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Monitoring and Control of Center Pivots

The ability for producers to monitor and control center pivots has been available since the early 1990's. This technology started with a direct access to the pivot through a land line phone connection on analog cell phone. The technology has continued to evolve. Today pivots and pumps can be controlled from the internet and phone anywhere in the world.

FieldNET

FieldNET was introduced by Lindsay Corporation three years ago. FieldNET provides growers the ability to monitor and control center pivots from a secure user web site or via any telephone. A key feature of FieldNET is that it can work for monitoring and start/stop controls on any brand of pivot. The pivots are connected to the internet through cellular telemetry units or radio telemetry units, which connect to the internet through an internet bridge.

With this web based solution tool growers are able to create a network with all of their pivots and manage them at all times no matter where they are. The user friendly web portal provides quick view of every pivot, providing information on pivot location, pivot status and water usage. This encompassing view enables quick, effective decision making. The portal provides a complete history log and the ability to create reports on water and chemical application.

FieldNET provides growers updates and alerts via phone, text message and email. These notifications are set based upon the users information needs. With this immediate information growers are able to react to various statuses when they occur rather than only when they are at the machine in the field. This leads to greater efficiency and time resource savings.

FieldNET Pump Control

Lindsay Corporation has just added FieldNET for pump controls. Now FieldNET, with pump control, integrates the entire water delivery system from the well or surface water source to the center pivot. It allows the industry-leading pumping solutions by Watertronics and Zimmatic center pivots to work together to automatically monitor and control the system to achieve maximum efficiency.

FieldNET Pump Control lets growers monitor and control several devices such as; pumps, pivots, and sensors. Visual pressure settings on pumps with Variable Frequency Drives allow for management of pressure and flow for efficient energy savings. Linking pump devices compares pump station capacity with pivot demand for informed irrigation decisions and alerts of any detected disparity. Reports and charting allow for record keeping of total gallons pumped and electricity used.

FieldNET Irrigation Management Advantages

There are many advantages to remote monitoring of pivots and pumps. These include:

- Reduced energy costs
- Significant labor savings
- Convenience
- Flexibility for current equipment
- Effective tool for professional service providers
- Development and use of Knowledge:
- Reporting and Diagnostics:
- Reduced risk and less downtime
- Enhanced best practices and stewardship: