

# IRRIGATE FIELDS FROM ANYWHERE

## USING FIELDNET TECHNOLOGY

**Excerpt: Lindsay's FieldNET irrigation management platform allows farmers to control their irrigation operation remotely. It offers exponential savings in time, natural resources like water and labour, thanks to its advanced technology. Globally, Lindsay aims to help farmers save more than 700 billion gallons of water and more than one billion kilowatt-hours of energy by the year 2022 through FieldNET.**

Lindsay's FieldNET products are revolutionising the way in which farmers are approaching agricultural irrigation. This award-winning software is an irrigation management system that allows growers to control the equipment in their fields, remotely.

One of the most impressive features of FieldNET is that it allows farmers to monitor their pivots in real-time. Through state-of-the-art tracking technology, a farmer simply needs an internet connection and smart device to easily track the position and irrigation progress of their pivots.

When monitoring pivots through FieldNET, growers can also easily control their irrigation equipment. For instance, a pump can easily be switched on and off with the click of a button. A pivot can be turned off or programmed to perform a certain irrigation cycle from anywhere in the world using FieldNET. Farmers are often faced with the task of having to store data from previous harvests to plan for the next planting season. This can be

time-consuming and tedious. There is, of course, also room for human error which could lead to unreliable data. FieldNET has the additional benefit of storing all in-field irrigation data in the cloud.

This way, a grower can easily access their irrigation records when planning future irrigation strategies. FieldNET Advisors is an add-on program that works with FieldNET to create custom irrigation recommendations for farmers. It uses the data stored in the cloud to calculate exactly what the most appropriate irrigation strategy for the next successful planting season should be. It can also take available resources, like the amount of water on a farm into calculation. The recommendations that FieldNET Advisor makes can easily be applied to the equipment in the field, seeing as they are controlled with FieldNET. A case study by Lindsay in the United States of America found that a field using FieldNET Advisor to determine when and how much to irrigate saw a 17% saving in pumping costs and water usage.

Globally, it is estimated that farms using smart technologies to manage their irrigation operations save up to 40% in resources. This makes sense, as FieldNET can lead to a saving in time, water and labour. Gone are the days of having to send out teams of workers to drive from field-to-field to check up on a pivot. FieldNET is so intuitive, that it can pick up potential issues before they even arise. If a pivot does encounter an issue, FieldNET can be set to try and overcome it on its own. If it cannot, it will alert the grower so that a team can be dispatched to attend to the problem. Virtually no irrigation time is lost in this scenario.



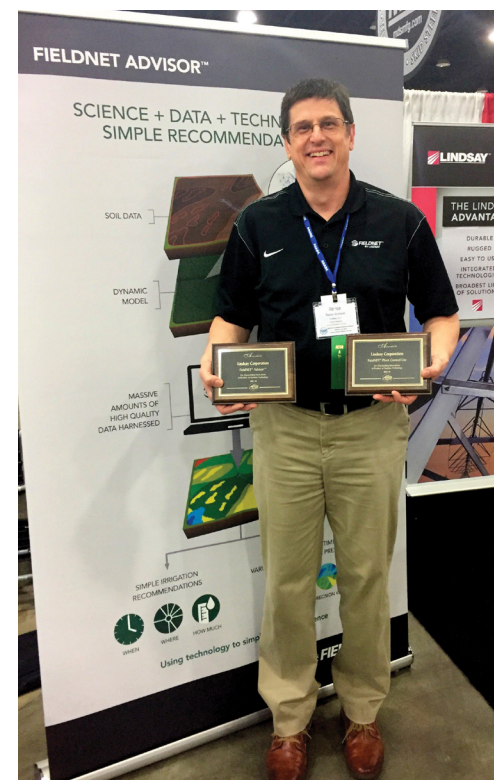
FieldNET can work on any brand of pivot, no matter its age. This is because it can be retrofitted on older-generation equipment. There are various pieces of hardware available that integrate FieldNET with a farm's equipment. This includes cost-effective solutions like FieldNET Pivot Watch.

Other solutions are more comprehensive, like FieldNET Pivot Control and FieldNET Pivot Control Lite. Zimmatic, Lindsay's pivot brand, also produces advanced irrigation control panels. These panels boast FieldNET as a pre-loaded application and can also work on any pivot, no matter age or brand.

FieldNET can be connected with auxiliary equipment like pumps and weather stations to gain additional data and make even more accurate recommendations.

Some farmers might be concerned about how to get their pivots online, as an internet connection at equipment is essential for the proper functioning of FieldNET. Lindsay has a solution. Their Ethernet Solution extends an existing internet connection to a farmer's pivot so that it can get online and connect to FieldNET.

Lindsay has also recently released a new smart pivot in the USA. This intuitive pivot combines the FieldNET's advanced agronomics with Zimmatic's strength and precise water application. This new pivot echoes Lindsay's mission to make FieldNET a cornerstone of all of its products in the near future. As the first smart pivot ever to be designed, Lindsay is paving the way for better irrigation by making use of unparalleled technology.



Reece Andrews, Lindsay's FieldNET and Zimmatic Controls Product Manager with two awards from ASABE. One for FieldNET Advisor and the other for Pivot Control Lite.