

FIELDNET ADVISOR™ | IRRIGATION MANAGEMENT DECISION SUPPORT TOOL




Forward Wet
20th Oct 2017 07:44 08:00:00 AM

VRI Advisor Plan -
Rate: 19.3

Current Operation: 0.08 in (10% Available Water)
 Next Irrigation Amount: 1.05 in
 Start Next Irrigation: 2017-10-20 08:00 AM
 Next Irrigation Due By: 2017-10-20 12:00 AM
 Next Irrigation Field Time: 07 hours (2.8 Days)
 Field Status: 0 days (2017-10-20)

Field Name	Water Status	Available Water
North Field	0.58 in (10% Available Water)	0.58 in (10% Available Water)
South Field	1.48 in (10% Available Water)	1.48 in (10% Available Water)
West Field	1.4 in (10% Available Water)	1.4 in (10% Available Water)
East Field	1.58 in (10% Available Water)	1.58 in (10% Available Water)
North Field	0.48 in (10% Available Water)	0.48 in (10% Available Water)
E. & S. Section, North Field	0.45 in (10% Available Water)	0.45 in (10% Available Water)
E. & S. Section, North Field	0.20 in (10% Available Water)	0.20 in (10% Available Water)

Temperature	Humidity	Wind Speed	Wind Dir
20°F	86%	8 mph	207°
32°F	10%	14 mph	135°
38°F	10%	14 mph	135°
42°F	10%	14 mph	135°
48°F	10%	14 mph	135°
54°F	10%	14 mph	135°
60°F	10%	14 mph	135°
66°F	10%	14 mph	135°
72°F	10%	14 mph	135°
78°F	10%	14 mph	135°
84°F	10%	14 mph	135°
90°F	10%	14 mph	135°
96°F	10%	14 mph	135°
102°F	10%	14 mph	135°
108°F	10%	14 mph	135°
114°F	10%	14 mph	135°
120°F	10%	14 mph	135°
126°F	10%	14 mph	135°
132°F	10%	14 mph	135°
138°F	10%	14 mph	135°
144°F	10%	14 mph	135°
150°F	10%	14 mph	135°
156°F	10%	14 mph	135°
162°F	10%	14 mph	135°
168°F	10%	14 mph	135°
174°F	10%	14 mph	135°
180°F	10%	14 mph	135°
186°F	10%	14 mph	135°
192°F	10%	14 mph	135°
198°F	10%	14 mph	135°
204°F	10%	14 mph	135°
210°F	10%	14 mph	135°
216°F	10%	14 mph	135°
222°F	10%	14 mph	135°
228°F	10%	14 mph	135°
234°F	10%	14 mph	135°
240°F	10%	14 mph	135°
246°F	10%	14 mph	135°
252°F	10%	14 mph	135°
258°F	10%	14 mph	135°
264°F	10%	14 mph	135°
270°F	10%	14 mph	135°
276°F	10%	14 mph	135°
282°F	10%	14 mph	135°
288°F	10%	14 mph	135°
294°F	10%	14 mph	135°
300°F	10%	14 mph	135°
306°F	10%	14 mph	135°
312°F	10%	14 mph	135°
318°F	10%	14 mph	135°
324°F	10%	14 mph	135°
330°F	10%	14 mph	135°
336°F	10%	14 mph	135°
342°F	10%	14 mph	135°
348°F	10%	14 mph	135°
354°F	10%	14 mph	135°
360°F	10%	14 mph	135°

THE SMARTEST IRRIGATION SOLUTION

OPTIMIZING IRRIGATION THROUGH BETTER DECISION-MAKING



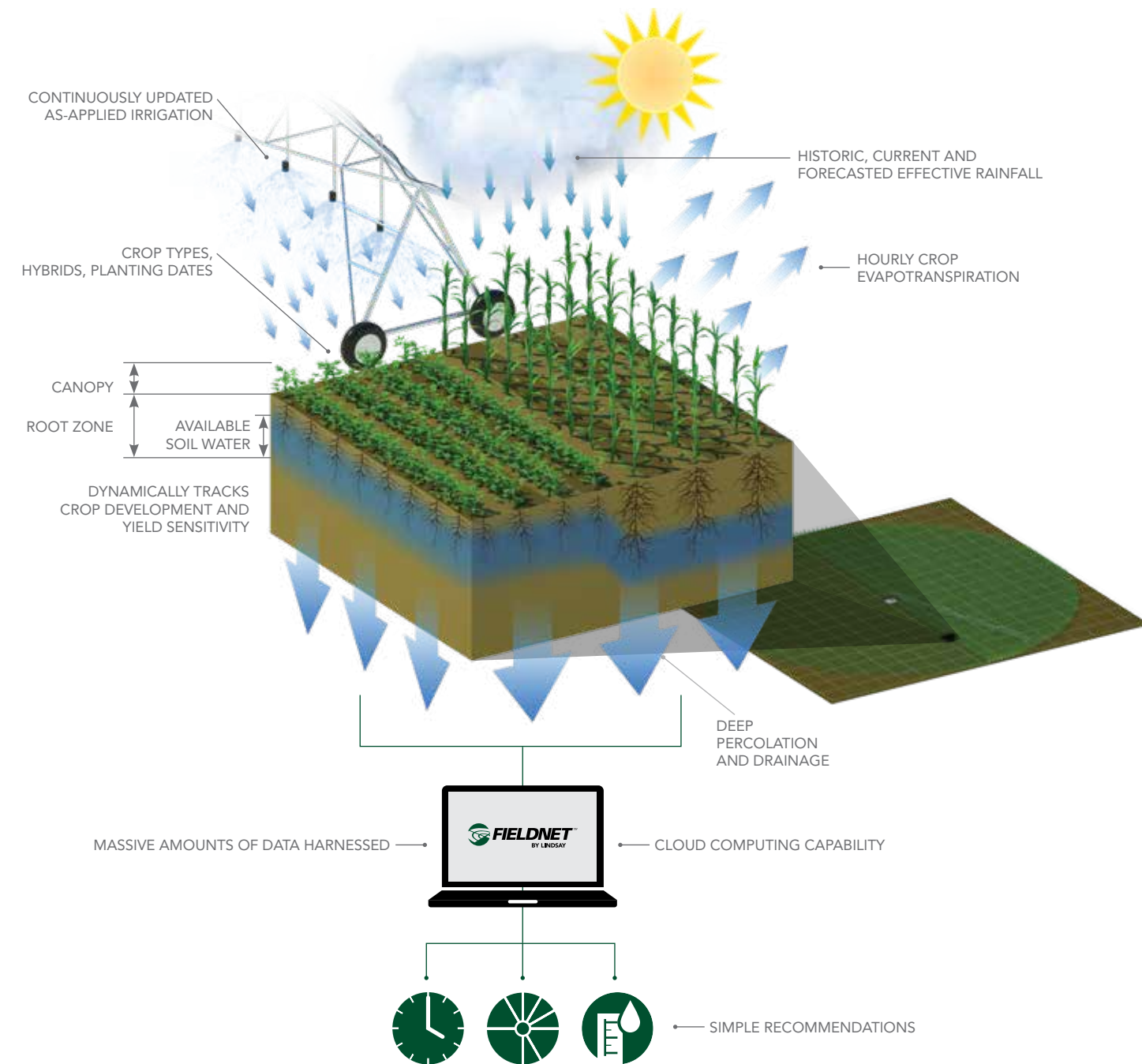
In a single map or list view, you can see the most critical information across all your fields, including current soil water depletion, recommended next irrigation start date and application depth recommended to avoid crop stress.

HOW FIELDNET ADVISOR CAN BENEFIT YOUR OPERATION

<p>Saves time – Provides quick and easy-to-understand irrigation management recommendations and alerts</p>
<p>Improves yield and crop performance – Tools to help avoid crop water stress and nutrient leaching</p>
<p>Increases profits and sustainability – Tools to reduce overwatering, saving related input costs and wasted resources</p>

For growers who have relied on visual inspection of their crops or less scientific methods for irrigation management, FieldNET Advisor is the revolutionary tool that provides highly accurate information for better decision-making.

SCIENCE + DATA + TECHNOLOGY = SIMPLE RECOMMENDATIONS



WHEN, WHERE AND HOW MUCH

Using technology to simplify irrigation science

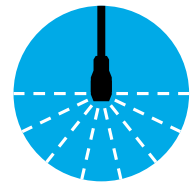
FieldNET Advisor combines more than 40 years of crop and irrigation research into FieldNET® by Lindsay's proven technology platform to simplify your irrigation management decisions and equipment operation.

You'll no longer have to rely exclusively on visual inspections of your field, use complex calculations or juggle multiple tools to track your crops' water needs.

FOUR POWERFUL TOOLS IN ONE

FieldNET Advisor streamlines irrigation management and features all of your key information in one place. For example, the dashboard view provides a summary of the most critical details on one page, including current maximum field depletion, date next irrigation must be started, and amount of irrigation required.

Fully integrated remote irrigation monitoring and control means that you can stay informed with customized alerts and take immediate action from anywhere.

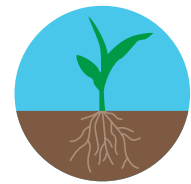


FIELDNET IRRIGATION ADVISOR™

The core of FieldNET Advisor, this tool compiles critical inputs related to the soil water balance (e.g. crop water usage, effective rainfall, actual as-applied irrigation history, and past deep percolation) to track the current soil water depletion and forecast the upcoming crop water requirements across your entire field. It's like having thousands of virtual soil moisture sensors placed throughout the field.



View current soil water depletion map and current pivot operational status, plus a summary of key actionable information with availability to directly select manual or VRI mode and control irrigation equipment.



FIELDNET CROP ADVISOR™

Dynamic, proprietary crop growth models track the development of each hybrid, including development stages and root growth, and continuously update the crop's forecasted maturity date. This tool also provides an estimate of any yield loss to date due to water stress – plus a projection of potential yield loss through crop maturity if no additional irrigation is applied.



Crop Advisor continuously tracks the allowable soil water depletion to help avoid crop stress with customizable buffers throughout the season, plus the crop's forecasted irrigation needs through maturity.

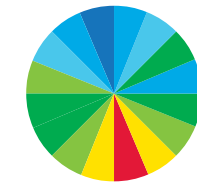


FIELDNET WEATHER ADVISOR™

A critical input is weather data, which is why the Weather Advisor uses hyper-local, hyper-accurate field-specific weather data, including hourly data for the current season-to-date plus a 15-day hourly forecast and historical norms to project the remainder of the season. This tool also provides the ability to set customized weather alerts, so you're aware of changing conditions and are able to react quickly. For fields where an optional Growsmart® weather station is installed, the data can be seamlessly fed into FieldNET Advisor as well.



Weather Advisor provides the valuable weather info you really need, including crop-specific daily ET (rather than reference crop ET), daily growing degree units (GDUs), and daily plus hourly wind speed, peak wind gust speed, forecasted likelihood of precipitation and amount, and more.



FIELDNET VARIABLE RATE IRRIGATION (VRI) ADVISOR™

Gone are the days of using the same plan throughout the season, as VRI Advisor provides continuously updated water prescriptions based on the dynamically changing field conditions. This is accomplished by leveraging the high resolution soil water depletion data across the field to generate VRI prescriptions that are dynamically optimized in real time to apply the required amount of water across every zone in the field. VRI Advisor can create both Precision VRI and basic sector VRI plans.



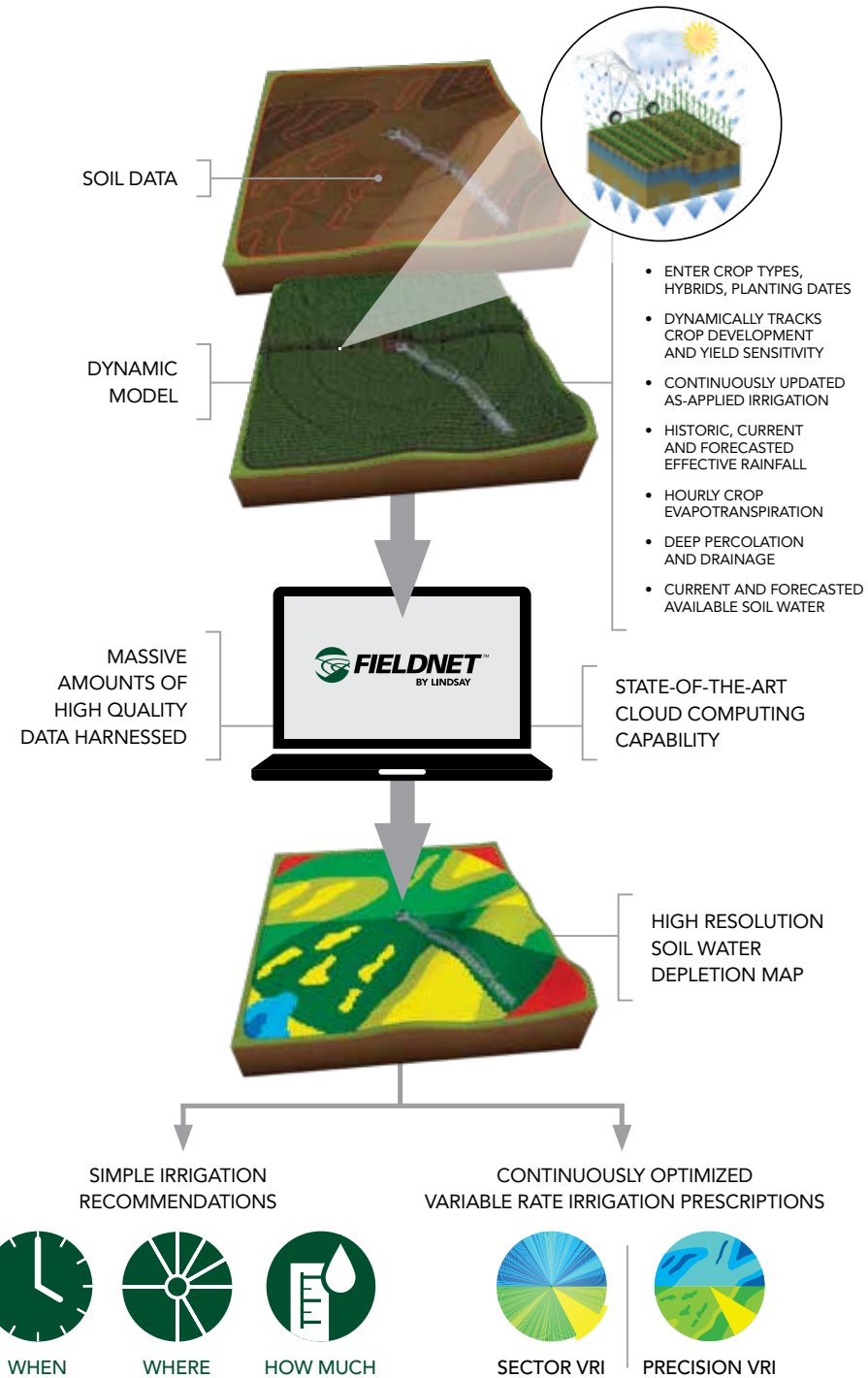
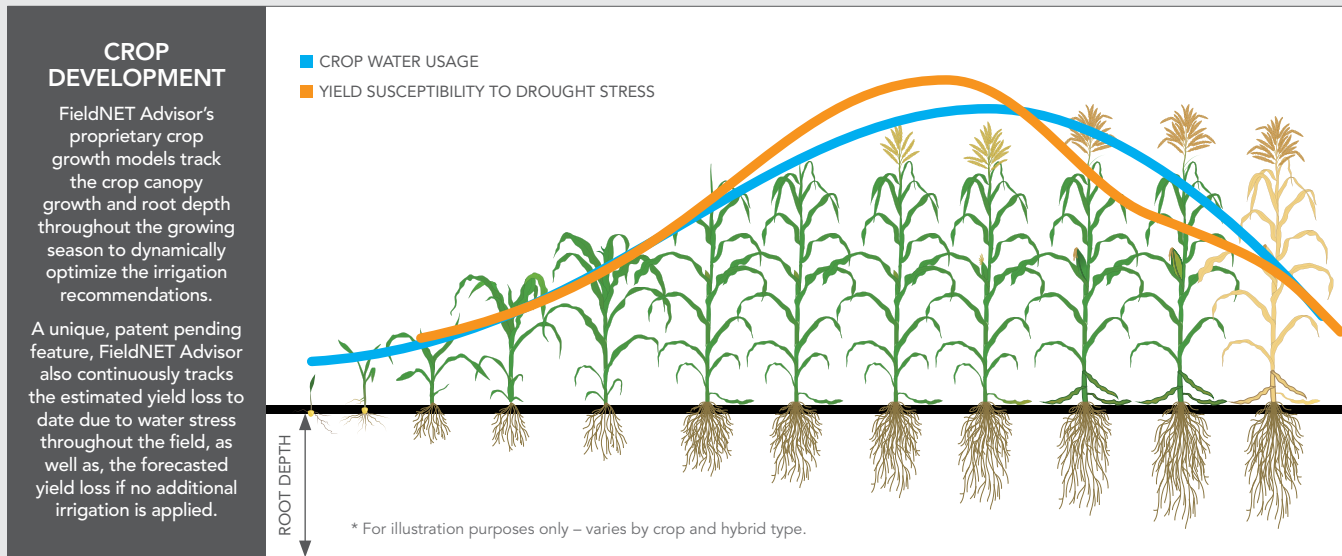
VRI Advisor allows you to review the current recommended dynamic VRI plan and make modifications if desired, or create and save new or modified plans.

HOW IT WORKS



- 1 Enter your crop types, hybrids and planting dates.
- 2 FieldNET Advisor automatically combines this data with soil maps, hyper-local weather info, and as-applied irrigation history across your field.
- 3 By tracking crop growth stage and root depth to monitor the amount of moisture available in the soil, FieldNET Advisor forecasts your crop's future water needs.
- 4 FieldNET Advisor then makes recommendations on when, where and how much to irrigate, helping you optimize your water use efficiency and maximize your profitability.

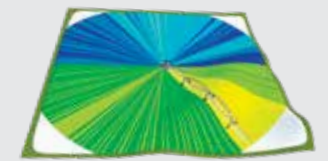
Since this information is seamlessly integrated into FieldNET's powerful remote monitoring and control platform, FieldNET Advisor gives you the ability to immediately put the recommended plans into action and track your progress from virtually anywhere.



What is FieldNET remote irrigation management?

Irrigation with industry-leading FieldNET is like having a remote control for all your irrigation related equipment.

- FieldNET hardware retrofits on almost any brand
- Monitor and control your systems from virtually anywhere
- Features variable rate irrigation, real-time shut-down alerts, plus much more



SECTOR VRI

Divides the field into 360 "pie slices" and adjusts the pivot speed over these sectors to change the application depth. (Does not control individual sprinklers.)

Works on Zimmatic pivots with BOSS or VISION panels. Also works on Zimmatic pivots with a BASIC panel or on other electric pivot brands by adding FieldNET Pivot Control™ or Pivot Control Lite.



PRECISION VRI





A virtually unlimited number of flexible application areas provides exactly the right amount of water by controlling individual sprinklers.

A Growsmart Precision VRI™ package is required.



Using technology to simplify irrigation science

INDUSTRY-LEADING CAPABILITIES

IRRIGATION ADVISOR		<ul style="list-style-type: none"> • Recommended next irrigation date and amount • Daily and season-to-date soil water depletion across entire field • Forecasted soil water depletion and irrigation needs for remainder of season • Soil water depletion warning alerts • Customized irrigation management settings and recommendation alerts 	<ul style="list-style-type: none"> • Automated initial field setup wizard allows multiple crops, hybrids, planting dates • Automated importing of soil data¹ • Automated as-applied irrigation data (depth, precise location, date) • Upload of existing field or soil maps (if desired)
CROP ADVISOR		<ul style="list-style-type: none"> • Current crop growth stage and root depth allowing manual adjustments • Daily crop water usage (ET_c) • Automatic irrigation recommendation adjustments based on yield impact 	<ul style="list-style-type: none"> • Season-to-date and remainder of season forecasted crop stress • Patent-pending season-to-date and remainder of season forecasted yield impact • Continuously updated forecasted crop maturity date
WEATHER ADVISOR		<ul style="list-style-type: none"> • Field-specific current weather conditions • Field-specific hourly weather forecasts for 15 days • Field-specific daily weather forecasts for 15 days • Customizable field-specific weather alerts 	<ul style="list-style-type: none"> • Editable daily rainfall amounts • Able to incorporate data from optional in-field Growsmart weather station • Current season observed and historical normal conditions
VRI ADVISOR		<ul style="list-style-type: none"> • Auto-generated, continuously updated field-specific sector VRI plans (available for all fields) 	<ul style="list-style-type: none"> • Auto-generated, continuously updated field-specific full Precision VRI plans (requires Growsmart Precision VRI hardware with individual sprinkler control)

¹ Retrieved from USDA SSURGO database. Only available in the U.S.

Talk to your local Zimmatic® dealer or visit FieldNETAdvisor.com to see which crops are currently available and if FieldNET Advisor is available in your region.



THE LINDSAY ADVANTAGE

DURABLE • RUGGED • EASY TO USE • INTEGRATED TECHNOLOGIES • BROADEST LINE OF SOLUTIONS












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 **Lean, Clean and Green.** Lindsay Corporation is committed to developing environmental awareness and implementing sustainable practices to reduce the use of and protect energy, water, and all other resources.



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