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Advantage Acre's® Nitrogen Tool

Judson Moore, Digital Ag Field Specialist - LG Seeds

Have you ever wondered if you are applying enough nitrogen to your corn? Have you been applying nitrogen the same way for many years as hybrid genetics have changed? Have large precipitation events made you apply more nitrogen to your crop? Does leaching and denitrification keep you awake at night? With Advantage Acre's® Nitrogen Tool, we can help answer and solve these questions and concerns.

Advantage Acre's Nitrogen Tool leverages the Purdue University Irris Nitrogen modeling tool along with WeatherTrends 360® weather data and functional soil mapping to create highly detailed modeling of soil nitrogen and the impact it can have on your crop production practices.

The Purdue University Irris Nitrogen modeling tool estimates water needs for crops and soil availability and loss of nitrogen. The tool was developed to help assist crop producers with irrigation needs.

WeatherTrends360® is an advanced weather forecasting tool, using precision mathematics and statistics to predict accurate long-term forecasts. It uses 150 years of data, seven million lines of computer codes and quintillions of calculations daily to filter through 24 climate cycles and various weather scenarios. With 84% accuracy 11 months in advance, this data provides a clearer picture of long-term weather events.

Functional Soil Mapping is more technologically driven, using statistical models and data science to mimic the relationship between soil and properties and field topography. With an understanding of the connection between the two, field characteristics can map predictive patterns that help you to better understand where agronomic practices can be applied to achieve the most benefit.

With these three tools working together they can help evaluate nitrogen lost through denitrification, leaching or volatilization. They can help determine what the soil will provide and what will need to be added to achieve your hybrids yield goal.

Advantage Acre's Nitrogen Tool can benefit you greatly. First start by adding in your field records and you are on your way to see what your crop needs for nitrogen. Talk to your local LG Seeds Sales Account Manager to see what the nitrogen tool can do for you. A how-to document is provided below to help work through the tool.

https://support.advantageacre.com/hc/ens/article_attachments/360056494612/Using_Nitrogen_Tool.pdf

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