



Nitrogen Management
Systems with
N-Watch



GOLD STAR FS, INC.



4R4U Nutrient Stewardship is a new innovative approach for fertilizer best management practices, which has been widely adopted throughout the Midwest. This approach is essential to the sustainability of the agricultural system.

The concept behind this practice is simple – **apply the right source of nutrient, at the right rate, at the right time and in the right place** – the implementation is knowledge-intensive, site-specific and science based.

Right Source - Match fertilizer type to crop needs.

Right Rate - Match amount of fertilizer to crop needs.

Right Time - Make nutrients available when crops need them.

Right Place - Keeps nutrients where crops can use them.

The need of putting more nitrogen on is not always the best practice. Instead, focus on spreading it out in several applications over the season, so the plant can use it more

In order to implement this practice in a sustainable way, there are a few key variables in place that help us reach our goal of sustainable agriculture. As you are faced with challenges to increase food production, we want to keep our focus on the ecological integrity of the food systems. With this being our focus, we are seeing better crop performance, improved soil health, decreased environmental pollution, and protection of wildlife.

Optimizing yield and profitability while reducing potential loss and environmental impact, varies based on several factors. Determining the correct nitrogen rate can positively affect your yield and profitability.

It's All About M.O.M.

- Minimize Environmental Impact
- Optimize Harvest Yield



In order for the use of fertilizer to be sustainable, it must enhance the performance of the plant system. How it interacts with other management practices such as drainage, tillage, cultivator selection, plant protection, weed control, etc. plays an important role in the performance of this practice.



Yield can be directly related to the quantity of nutrients the crop takes in until maturity. Your targeted yield can be attained by adequate nutrient management which varies field-by-field and season-to-season.

Our strategy is to utilize our expertise and gain growth and knowledge of your farming operation. Ways we focus on this is by bringing you the best nitrogen recommendations. In order to do so, we implement:

- Nitrogen Assessments
- Nitrogen Management Plans
- N Rate Studies
- N-Watch



N-Watch is a program that tracks nitrogen and helps you analyze how your investment in nitrogen is being used. Using a program equipped with field-specific data, our team is able to help you:

- Increase Profit
- Reduce Risk



Nitrogen Rates

Optimize Profitability

Optimize Yield

Evaluate Impact

Reduce Risk

Increase Profit

Sustainable Agriculture



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