

Key Highlights

Challenging Terrain & Nitrogen Deficiency

A grower managed a field with steep slopes and a severe nitrogen deficiency, especially in the no-till areas, posing a risk to crop yields.

Data-Driven Solutions

AGMRI data helped the grower make an informed decision to supplement their application with foliar and micronutrients, mitigating nitrogen deficiency and potential yield loss.

Remarkable Results

AGMRI's solution led to a yield estimate improvement within five days according to yield forecast data.

Nitrogen Management

Illinois Grower Averts Potential Yield Loss from Nitrogen Deficiency with AGMRI

Background:

In Western Illinois, a grower was faced with a challenging field with high elevation and steep slopes. The southern half of the field was designated as no-till and had experienced setbacks throughout the year.

Challenge:

The grower faced a significant challenge when an NVision Ag analysis through AGMRI revealed a nitrogen deficiency in the field. This deficiency was particularly severe on the no-till portion of the field and the slopes, raising concerns about the impact on overall crop productivity.

Solution:

To combat the nitrogen deficiency issue, the grower turned to AGMRI for a deeper dive into the analytics. Based on AGMRI's data, the grower made the decision to supplement the existing application with foliar and micronutrients. This proactive approach aimed to alleviate the severity of the nitrogen deficiency and mitigate potential yield loss.

Results:

The results were remarkable and provided a testament to the effectiveness of AGMRI's solution. Five days after the application on July 21, both NVision Ag and AGMRI's yield forecast exhibited an immediate improvement, projecting an increase of up to 8 bushels. The grower's decision to act upon AGMRI's data not only averted potential yield loss but also demonstrated the results of data-driven decision-making tools on the farm.

AGMRI helped the grower to make an informed decision that not only mitigated yield loss but also improved crop productivity. The data-driven approach also ensured optimal resource allocation.

The grower plans to continue utilizing AGMRI's insights to enhance crop management and optimize yields, underscoring the positive impact on productivity and potential return on investment (ROI).

