intelinair

Key Highlights

Stress Mitigation with AGMRI

The grower used AGMRI's tools to mitigate crop stress in his corn and soybean fields. Dry conditions prompted his exploration of stress mitigation products.

AGMRI's Role in Decision Making

AGMRI provided crucial insights for this grower's decision-making and predicted a potential yield increase using the Yield Forecast tool.

Future Plans and AGMRI Value

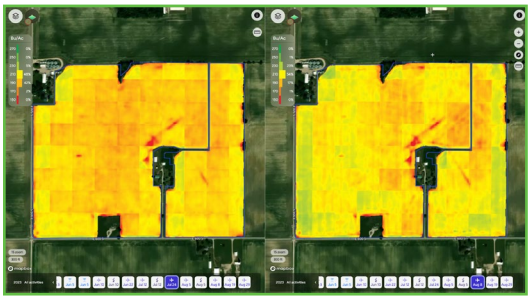
The grower plans to replicate the trial and conduct year-over-year comparisons. This case highlights AGMRI's effectiveness in crop management and stress mitigation, especially in challenging climates.

Crop Stress Mitigation

Enhancing Crop Stress Mitigation Using AGMRI's Yield Forecast Tool

Background:

A central Indiana grower has been using AGMRI for three consecutive years across all his acres. His farm primarily consists of corn and soybeans, and this season faced severe dry conditions. With the desire to explore stress mitigation products, he turned to AGMRI for in-season insights. The majority of his farm consists of Fincastle soil, which is prone to stress during dry periods.



June 10 - Sept 1

Challenge:

The main challenge this grower faced was the need to mitigate stress in his crops due to the persistent dry climate in his area. The choice to apply stress mitigation products was based on the anticipation of stress, as there was not a specific issue at the time. The grower's concern was finding the right products for his acres, amidst a market flooded with options. He risked the potential significant yield loss.

Solution:

AGMRI played a crucial role in addressing this grower's challenge. He was using AGMRI to follow crop health, rate of growth, log in field characteristics via the scouting tool, and perform yield comparisons at the end of season. The product in this trial offered flexibility in application methods so to suit his needs, the grower opted to apply the stress mitigator with his fungicide pass. He decided to apply the stress mitigation product in combination with fungicide around July 20. By analyzing multiple map layers, the most valuable one being the Yield Forecast tool, he tracked the field's performance for initial changes. The Yield Forecast feature provided clear evidence of yield differences within and outside the applied areas around July 24 and again around August 8. As a result, he predicted a positive yield increase in the application zone.

Results:

Based on AGMRI's Yield Forecast map, the grower observed a potential yield increase of over 10 bushels in the applied zones. Encouraged by these findings, he plans to continue using AGMRI and intends to replicate the trial in the following season. His future plans include conducting year-over-year comparisons to assess the product's ROI. Based on his experiences last season the grower is now an advocate for late-season stress mitigation products, firmly believing in their effectiveness with the support of AGMRI.