

SOUTHERN ANSWER PLOT[®] AGRONOMY

FIELD DAY *hosted by*
GREENPOINT AG & WINFIELD UNITED

Key Takeaways for Our Stop: Modern Corn Genetics

***For more information about the details shared here or assistance with any of your growing needs, please contact your local retailer or the GreenPoint Ag/WinField United support team.**

- We need to influence corn yield components (number of harvestable ears per acre, kernels per ear and kernel weight).
- Harvestable Ears per acre - can be influenced by seeding rate. Need to understand hybrid response to population. Ears per acre can be influenced by starter fertilizer and plant growth regulators like Ascend in order to get more kernels out of the ground faster. This will lead to a more vigorous and robust plant stand.
- Kernel number per ear can be influenced by efficiently managing nitrogen (not necessarily more nitrogen but by making multiple applications closer to when corn will utilize it. Remembering that 30-40% of nitrogen is taken up after VT/R1. Kernel number per ear can also be influenced by plant health applications like fungicide and biostimulants like YieldOn. These products increase kernel retention (reduced kernel anortion).
- Lastly we focused on kernel weight. Kernel weight can be influenced by late season N (again 30-40% of our nitrogen is used post flowering when we can't put on more kernels). Also by those plant health applications (fungicides & biologicals/biostimulants) where we keep the plant alive longer and allow for grain fill later in the season. At VT/R1 in corn we have accumulated all the leaves and plant material but only 40% of the plants overall dry matter. This is why kernel weight is so important and likely our biggest opportunity to improve our annual rate of gain.

Notes

2025

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Key Takeaways for Our Stop: Personalized Seed Decisions

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- WinField and GreenPoint Ag do not just test hybrids in strip trials. We use a Characterization Model to dissect hybrid responses to Population, Nitrogen, and Fungicide. These key inputs can be managed differently according to a hybrid's response as well as matched up with a grower's management practices to be more efficient with input spend and thus produce more profitable bushels per acre.
- Winfield United works with ALL the genetic and trait providers in the market, so there isn't an acre we can't provide a solution for. We are not limited to one breeding program, which gives us the advantage of being unbiased and adaptable to a grower's local needs.
- Croplan and Armor seed products are tested for multiple years before they ever get commercialized and sold to a grower. Winfield United and Greenpoint Ag combined have hundreds of testing locations, so we get local data for a grower's local geography.

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Key Takeaways for Our Stop: Driving Soybean Yield

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- Soybeans have multiple fruiting sites and go through reproduction for a longer period of time versus corn.
- Yield on an acre of soybeans is a formula: plants per acre X nodes per plant X pods per node X seeds per pod X weight per seed/60# per bu.
- To maximize yield in soybeans, it is important to manage the crop in a way to promote those yield components from the lower canopy through the upper canopy. This requires timely applications of crop protection, plant nutrition and plant growth regulator products that coincide with when the plant is determining those yield components.
- To drive yield in soybeans, we need to hold, fill and protect more pods in the lower and upper canopies of the crop.

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Key Takeaways for Our Stop: Getting Off to the Best Start Possible!

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Our combined datasets from AnswerPlot, GreenPoint Ag trials, and retailer trials offer invaluable insights for farm product decisions. Here are some key points to ensure your farm gets off to the best start:

****Achieving success starts with plants per acre and consistent germination.****

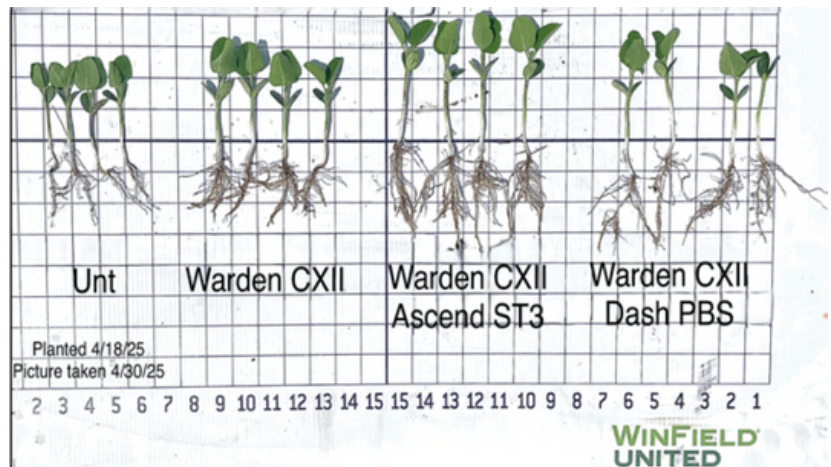
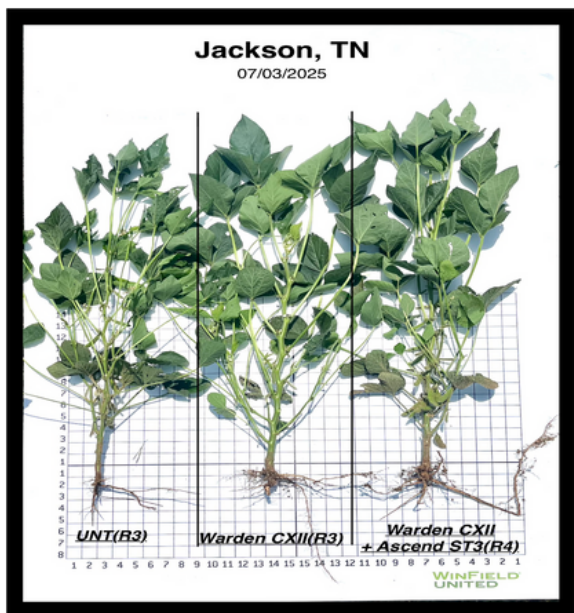
Ensure you have the optimal number of plants per acre and that germination is consistent for a robust start.

****Differentiating between Biologicals, Biostimulants, and PGRs is crucial.****

Knowing the difference between these products is essential for selecting the right ones for your farm's needs.

****Consult your local GreenPoint Ag/WinField United retailer for guidance.****

With many companies entering the market, expert advice can help navigate the options and make informed decisions.



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Key Takeaways for Our Stop: Done Right The First Time

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Sprayer Optimization, Application Practices & Resistance Management

- Clean Equipment: Rinse sprayers thoroughly—never leave chemicals overnight. Use a 3-step rinse and inspect for buildup in tanks, hoses, and nozzles.
- Nozzle Know-How:
 - Systemic herbicides: large droplets (TTI)
 - Contact/fungicides/insecticides: fine droplets (AIXR, TwinJet)
 - Match nozzle size to sprayer speed and GPA using tools or charts.
- Label = Law: Always follow label specs for nozzle type, GPA, pressure, and speed.
- Tank Mix Simplification: Avoid antagonism and resistance; streamline mixes where possible.
 - New this fall: Superlock—a high surfactant crop oil with Lock tech for improved droplet targeting.
- Stay Compliant: New ESA herbicide labels require precision—adjuvant choice can simplify the process.

Key Takeaways:

- Clean regularly, inspect often.
- Use the right nozzles and settings.
- Follow labels exactly.
- Simplify tank mixes with products like Superlock.
- Smart adjuvant use = better results + easier compliance.

Notes