

MS Peanut Production in 2023 and Moving Forward



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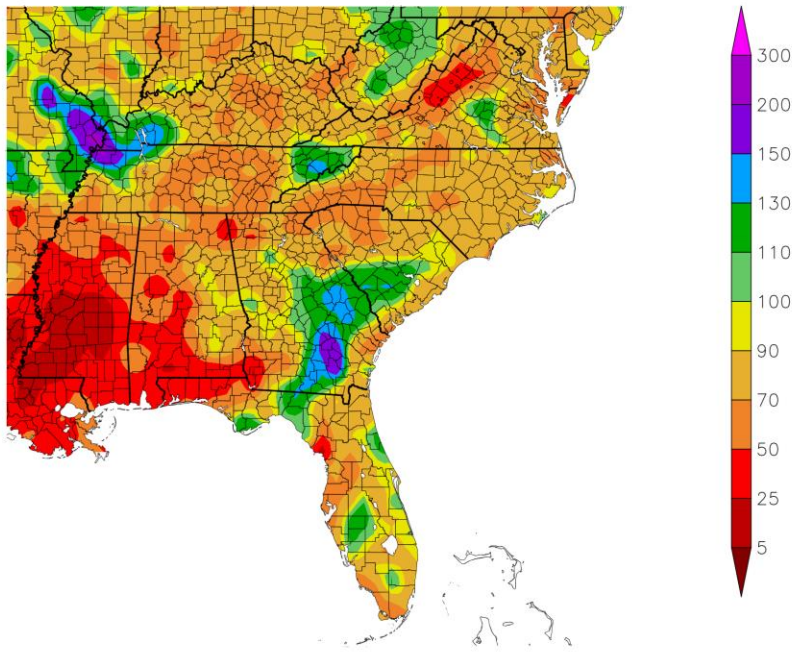
Impacts of 2023 Drought in South MS

- Worst drought areas were dug early to salvage crop
- Increased southern blight disease
- Low yields substantially lowering U.S. production
- Overall reduce peanut quality
 - Low grades
 - Increased immature pods
 - Increased Segregation 3 peanuts



2023 Drought Conditions

Percent of Normal Precipitation (%)
8/1/2023 – 10/31/2023



Departure from Normal Temperature (F)
8/1/2023 – 10/31/2023

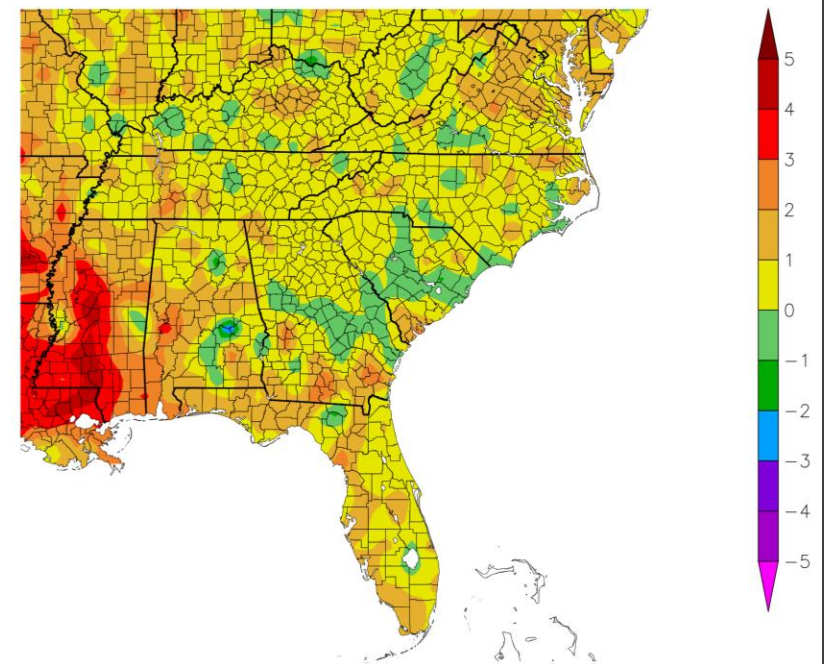
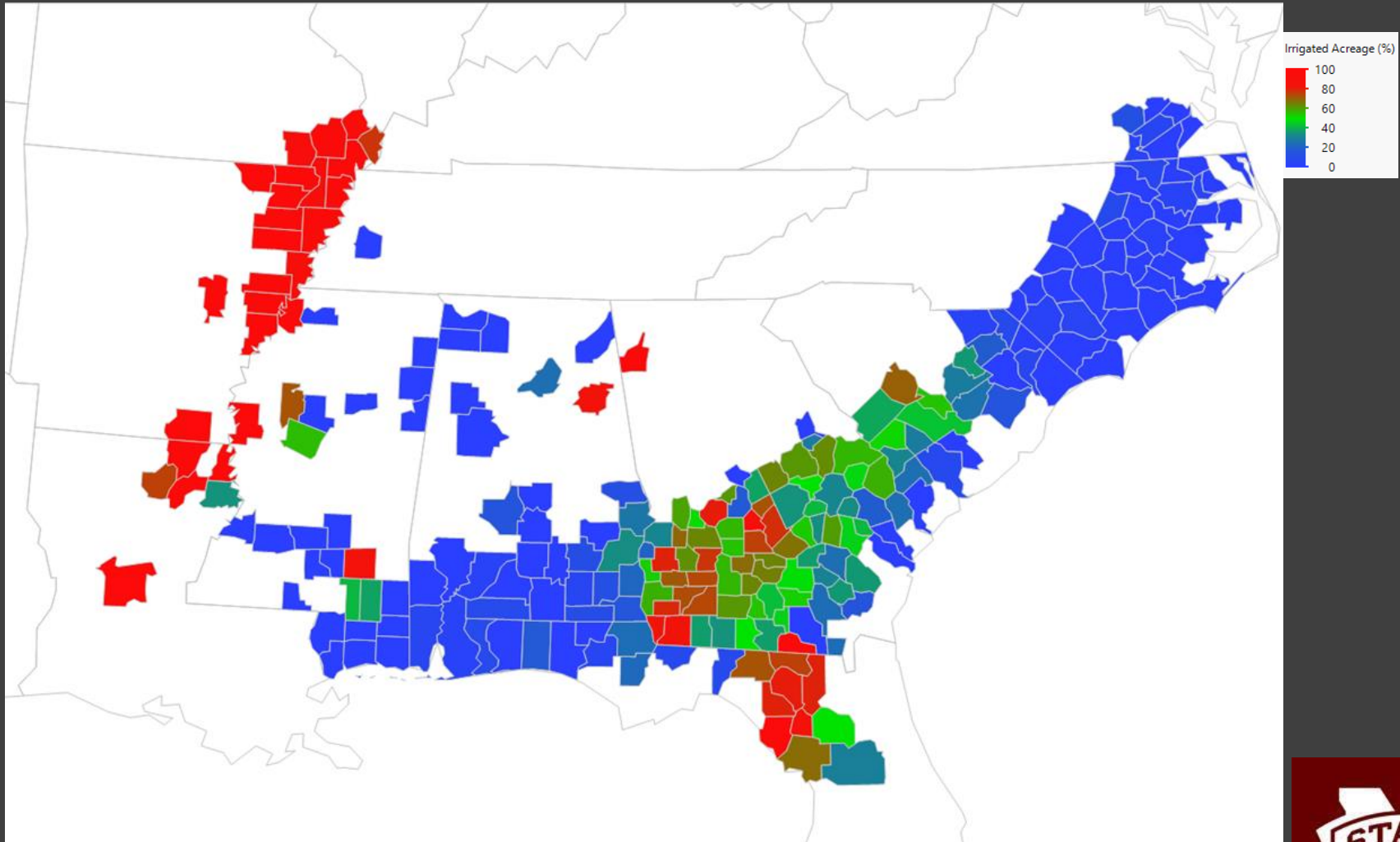


Figure credit: NOAA Climate Centers

Irrigated Peanut Acreage



Peanut Production and Price

- Average U.S. yield likely decreased by at least 15% in 2023
- Peanut farmer stock equivalent decreased 25% from prior year as of October
- Shelled quality of peanut is uncertain



Seed Quality in 2024???

- Drought affected areas had lower maturity and grade in 2023
- Potential to influence seed germination and vigor



Potential for Seed Borne Disease



Aspergillus flavus



Aspergillus crown rot (*Aspergillus niger*)



Planting Management Considerations

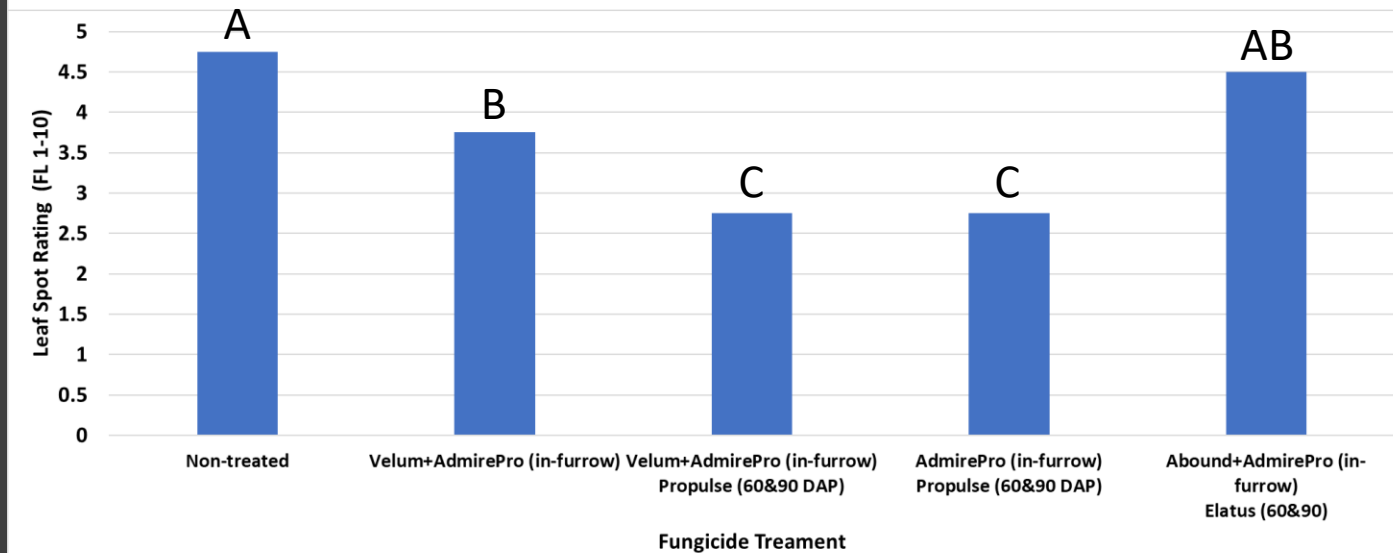
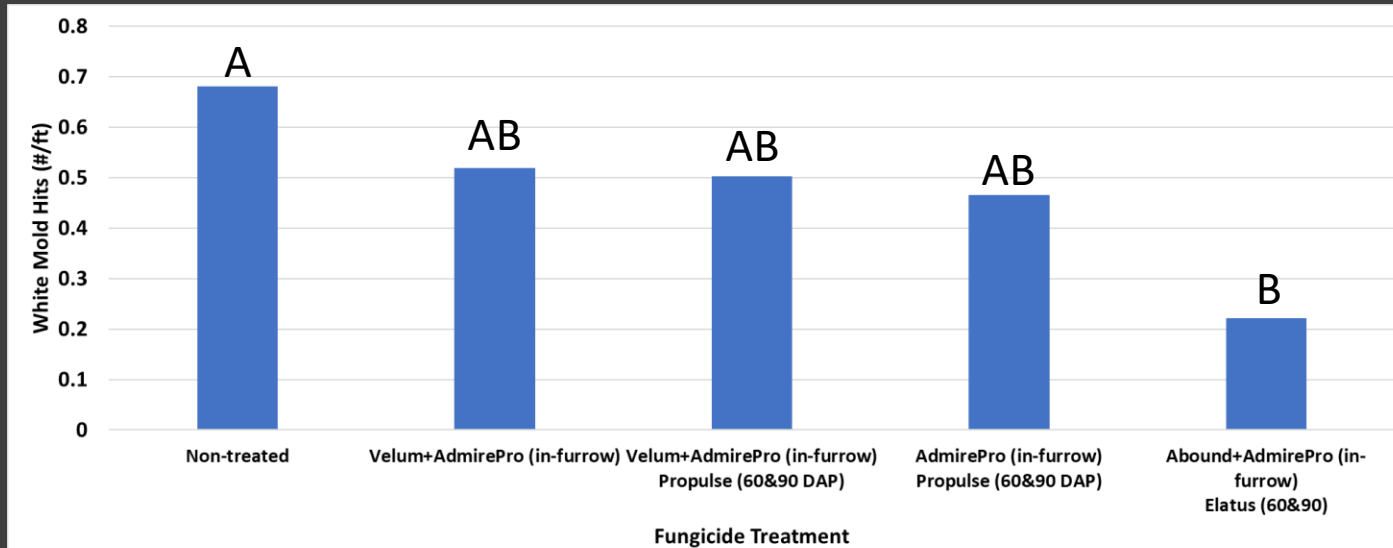
- Pay attention to percent germination
- Adjust seeding rates accordingly
- Especially if conditions are marginal
- Target a warming trend when temperatures will quickly rise above 70°

In-Furrow Fungicide Option:

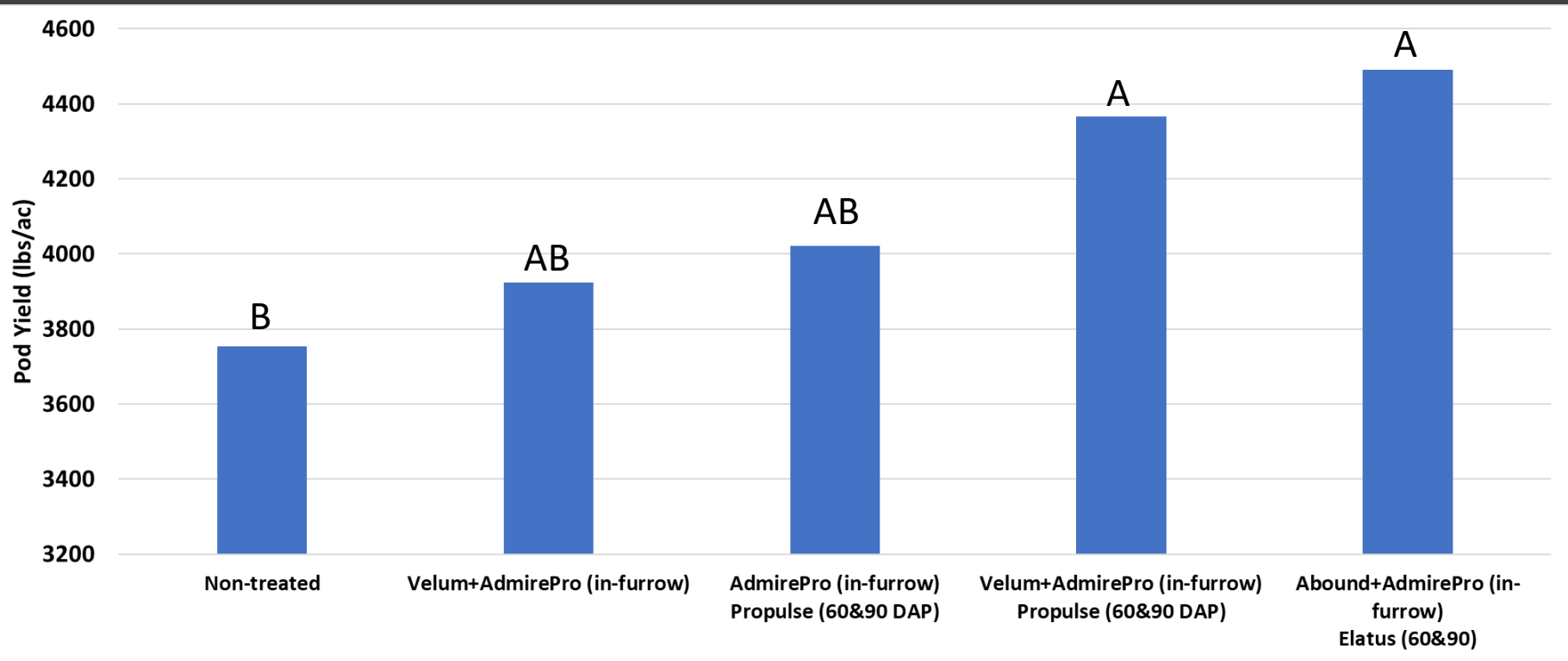
- Abound-Aspergillus crown rot, early season southern blight
- Velum-Aspergillus crown rot, early season southern blight
- Proline-Aspergillus crown rot, early season southern blight
- Uniform- Aspergillus crown rot, early season southern blight, Pythium damping off



In-Furrow and Foliar Disease Control



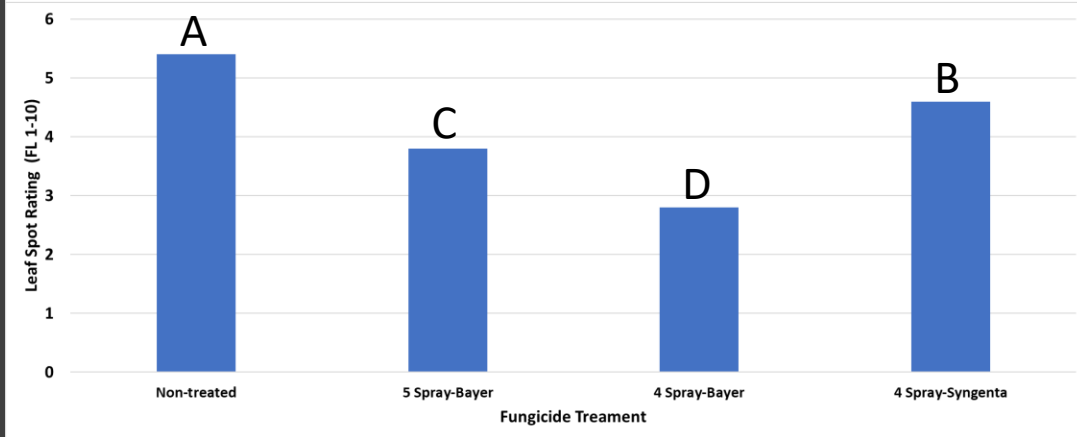
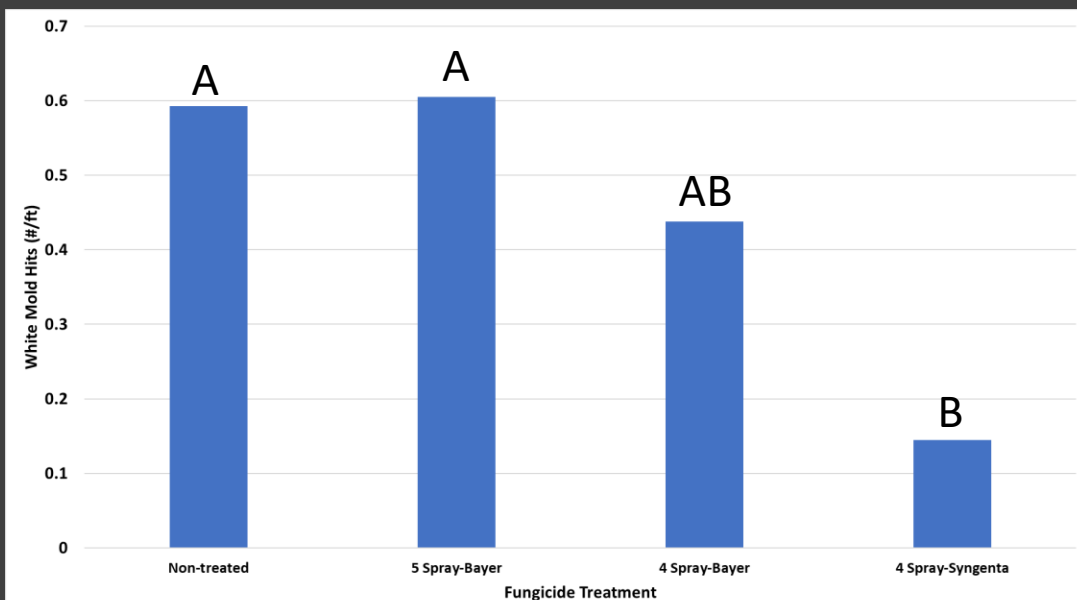
Disease Control Influence on Pod Yield



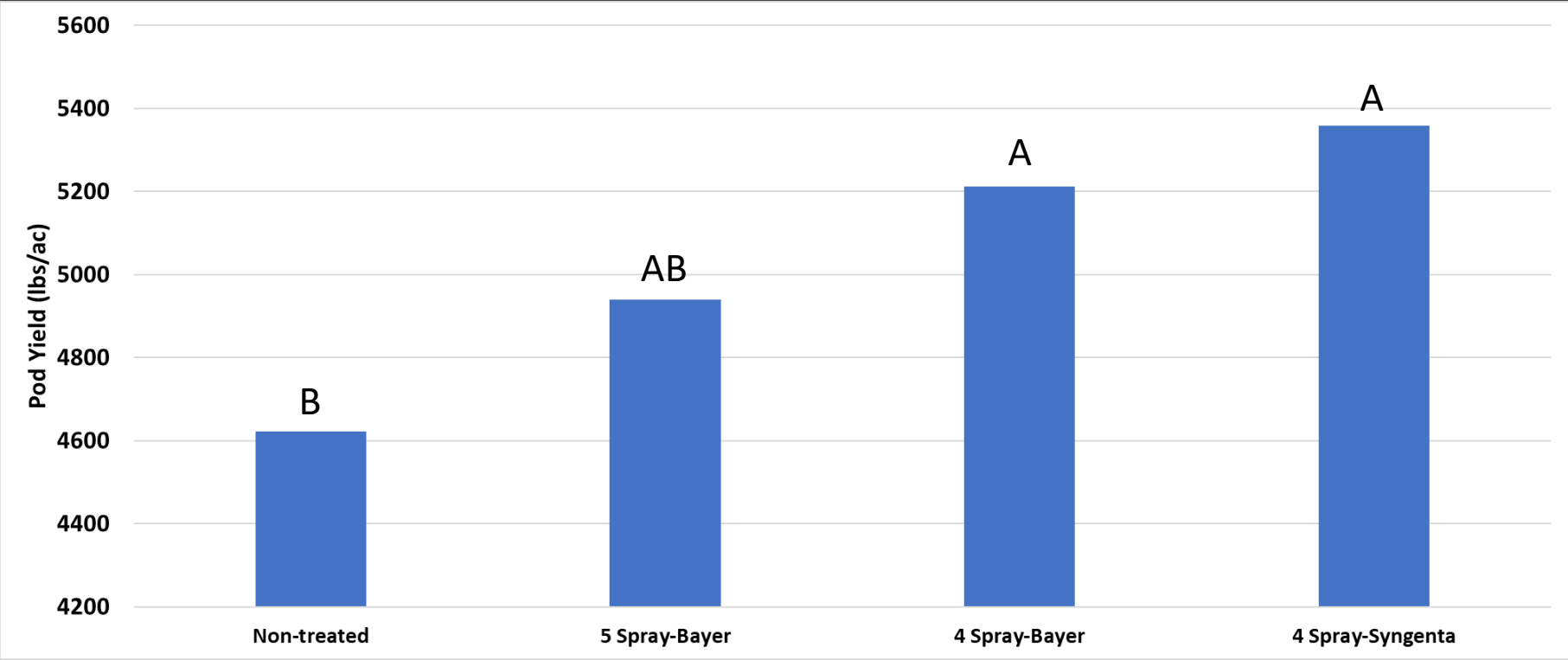
Will I have increased Southern blight pressure in fields that had high incidence in 2023??



Effect of Chemistry and Number of Applications



Effect of Chemistry and Number of Applications



Considerations for Controlling Disease in 2024

- Avoiding continuous peanut fields that had substantial disease pressure in 2023 is ideal
- Application timing prior to outbreak and precipitation to incorporate is critical
- Having both in-furrow and foliar disease control program
- Best fungicides for Southern blight control are Excalia, Elatus, and Convoy
- May need to tighten spray interval during Southern blight window (60 to 120 DAP)
- Best control options for leaf spot are Provost Silver, Miravis, Bravo+Alto
- Consider planting variety that has high tolerance to Southern blight:

Georgia-12Y

FloRun T61

AU-NPL-17



Peanutrx.org



Peanut Farm Bill Update

Peanut Farm Bill policy request:

- Increase reference price (currently \$535 per ton)
- Base acre re-allocation
 - Voluntary acreage swap
 - Base acres for new farmers



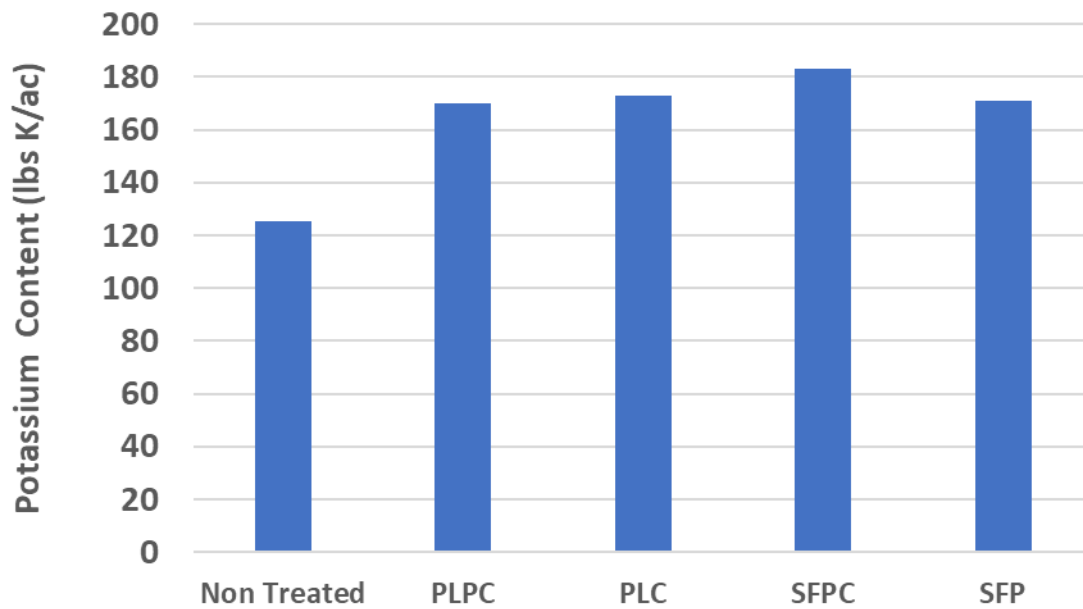
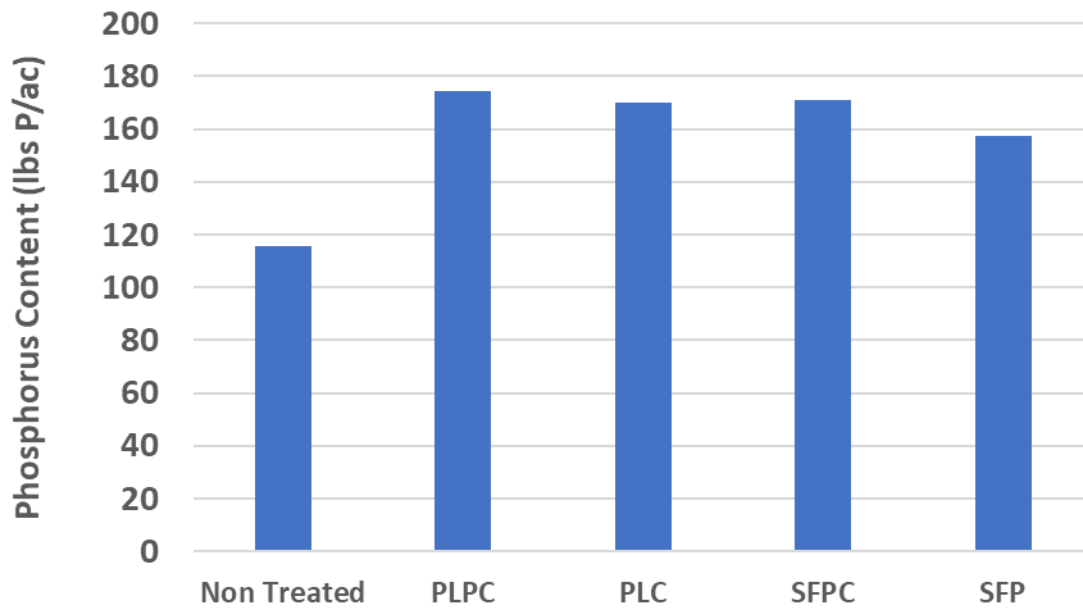
Questions

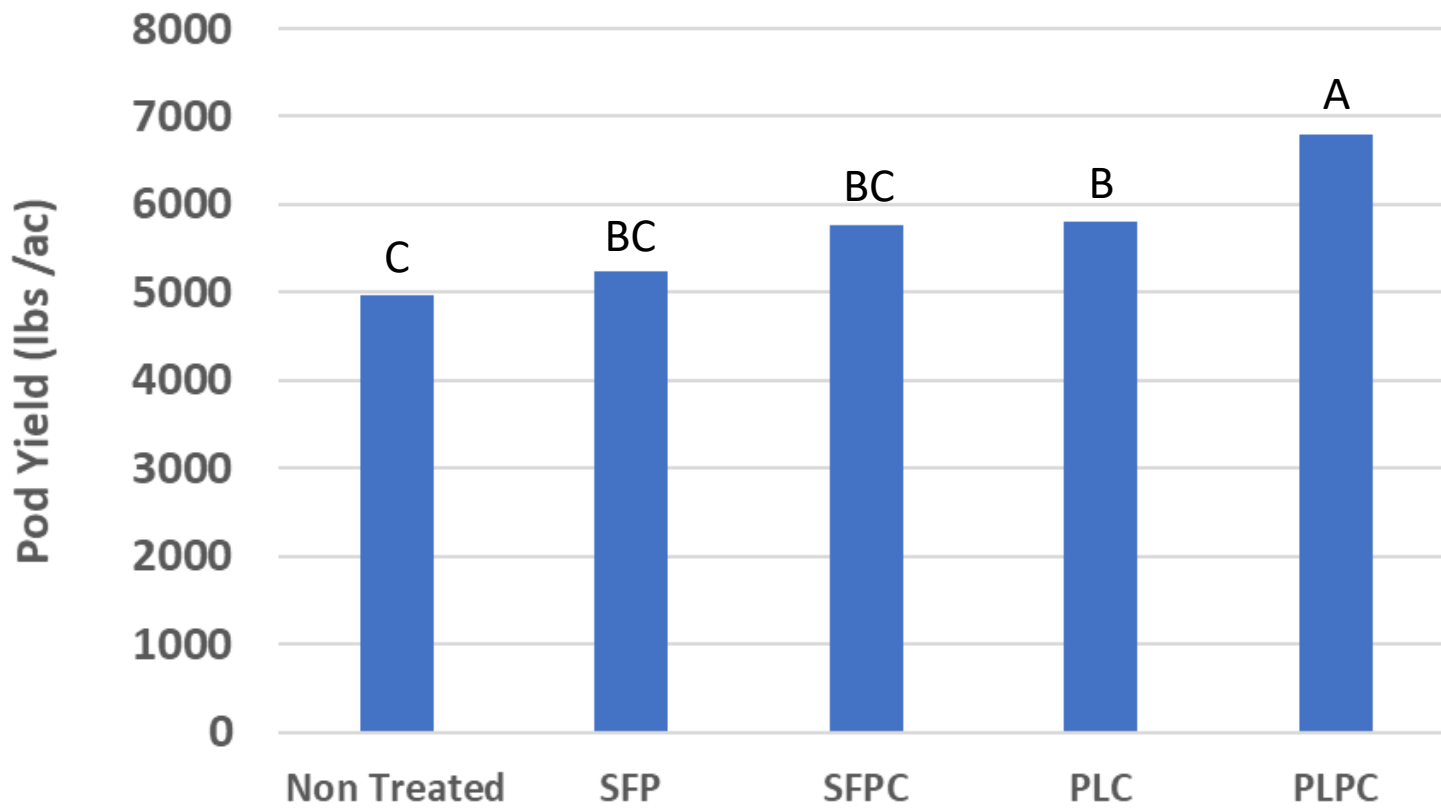
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