

Southern Kansas Cotton Growers Update

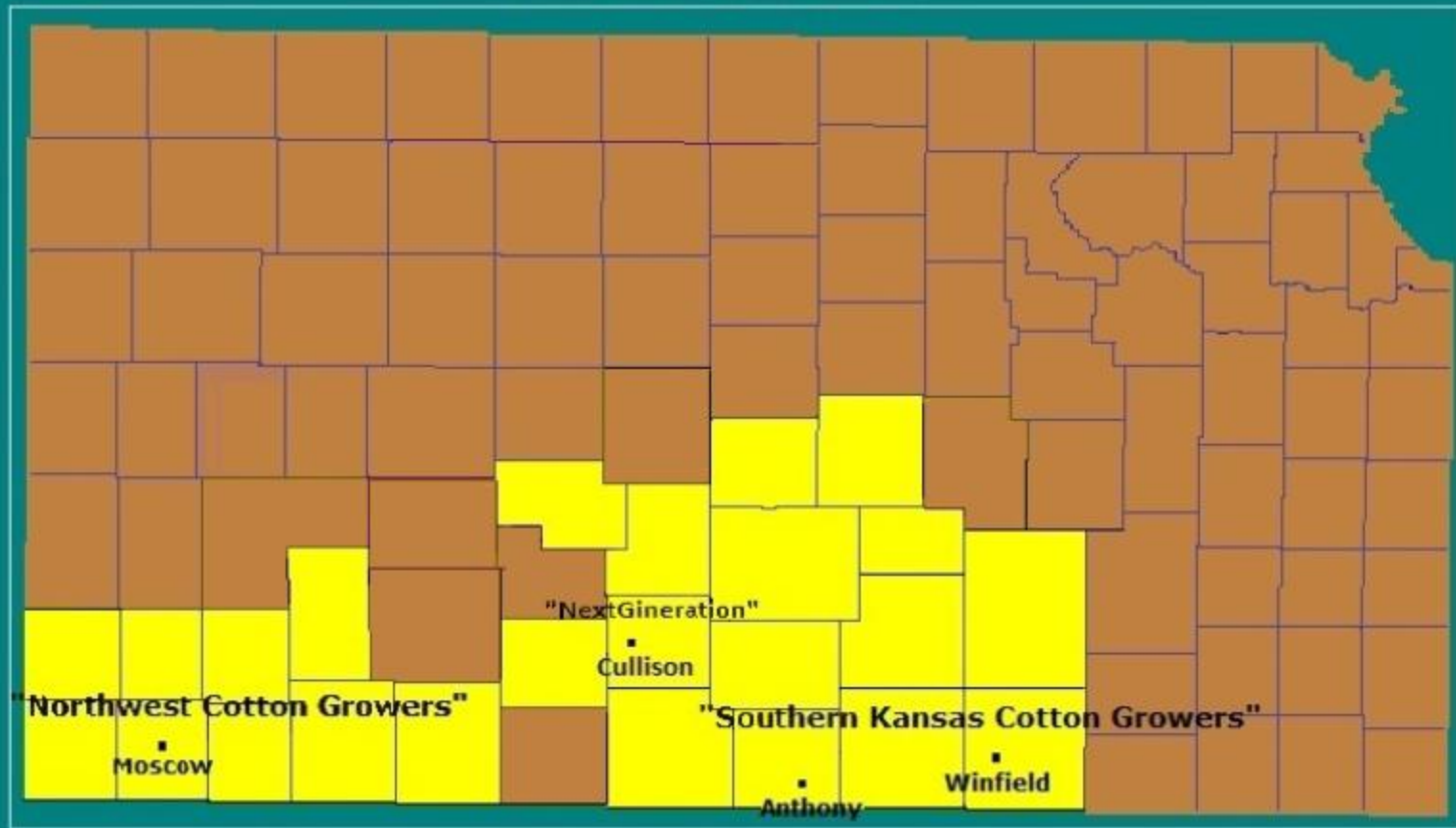
Rex Friesen, Ph.D.

**Southern Kansas Cotton Growers Co-Op, Inc.
Anthony, KS, and Winfield, KS**

Kansas Update

- **What's been going on in Kansas**
 - **Big Picture**
 - **2024 in context of historical performance**
 - **Key weather events in 2024**

KANSAS COUNTIES WITH CERTIFIED COTTON ACRES IN 2024



■ = Cotton Gin

Kansas Acreage and Production

● Planted Acres

2015 = 16,000

2016 = 32,000

2017 = 93,000

2018 = 165,000

2019 = 175,000

2020 = 195,000

2021 = 110,000

2022 = 165,000

2023 = 112,000

2024 = 128,000

● Production (bales)

2015 = 35,000

2016 = 71,000

2017 = 197,000

2018 = 333,150

2019 = 240,250

2020 = 300,000

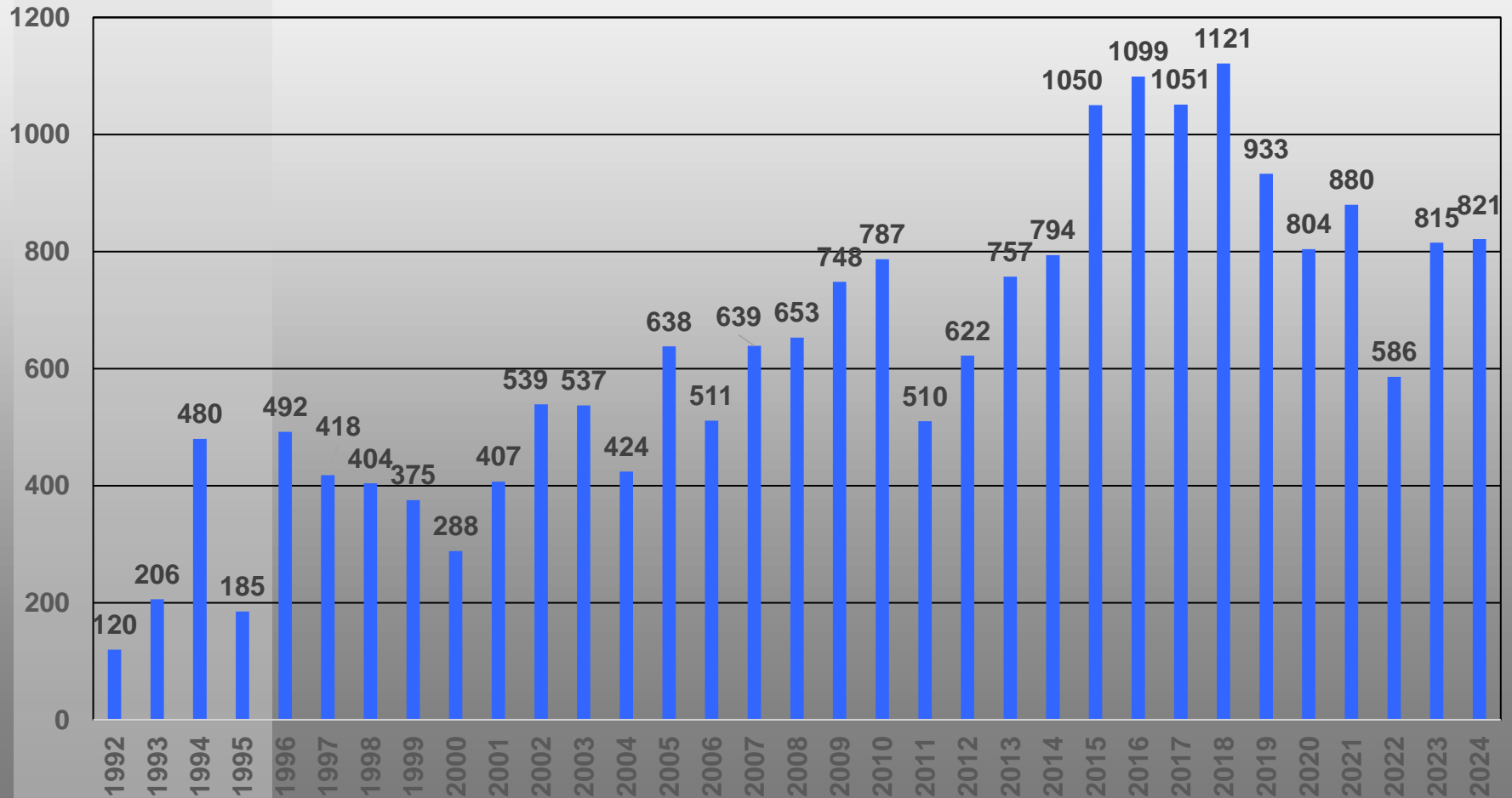
2021 = 187,000

2022 = 166,000

2023 = 168,000

2024 = ???

Average Kansas Cotton Yield (Lbs/Ac)



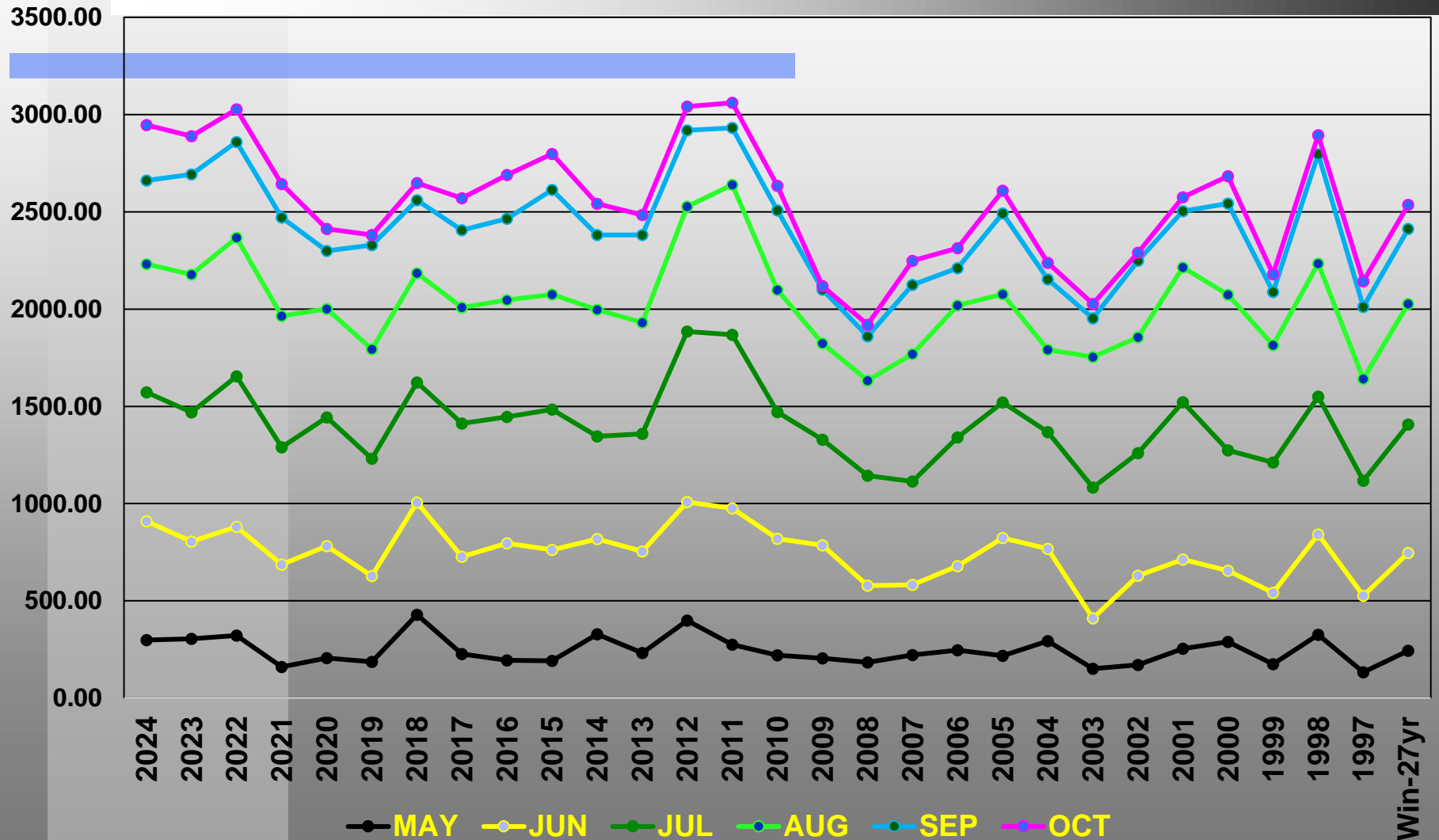
General Info: Varieties-Genetics

- **Maturity (early, early-mid)**
- **Insect (caterpillar) Protection (BG3/Widestrike 3); Thryvon....? “wrong” genetics (see *below*)**
- **Herbicide Tolerance:**
 - **Kansas almost 100% *PhytoGen Enlist varieties***
 - ***Favorite varieties: PHY 400, PHY 332***
 - ***Also being considered: PHY 205, PHY 215, PHY 250, PHY 411***

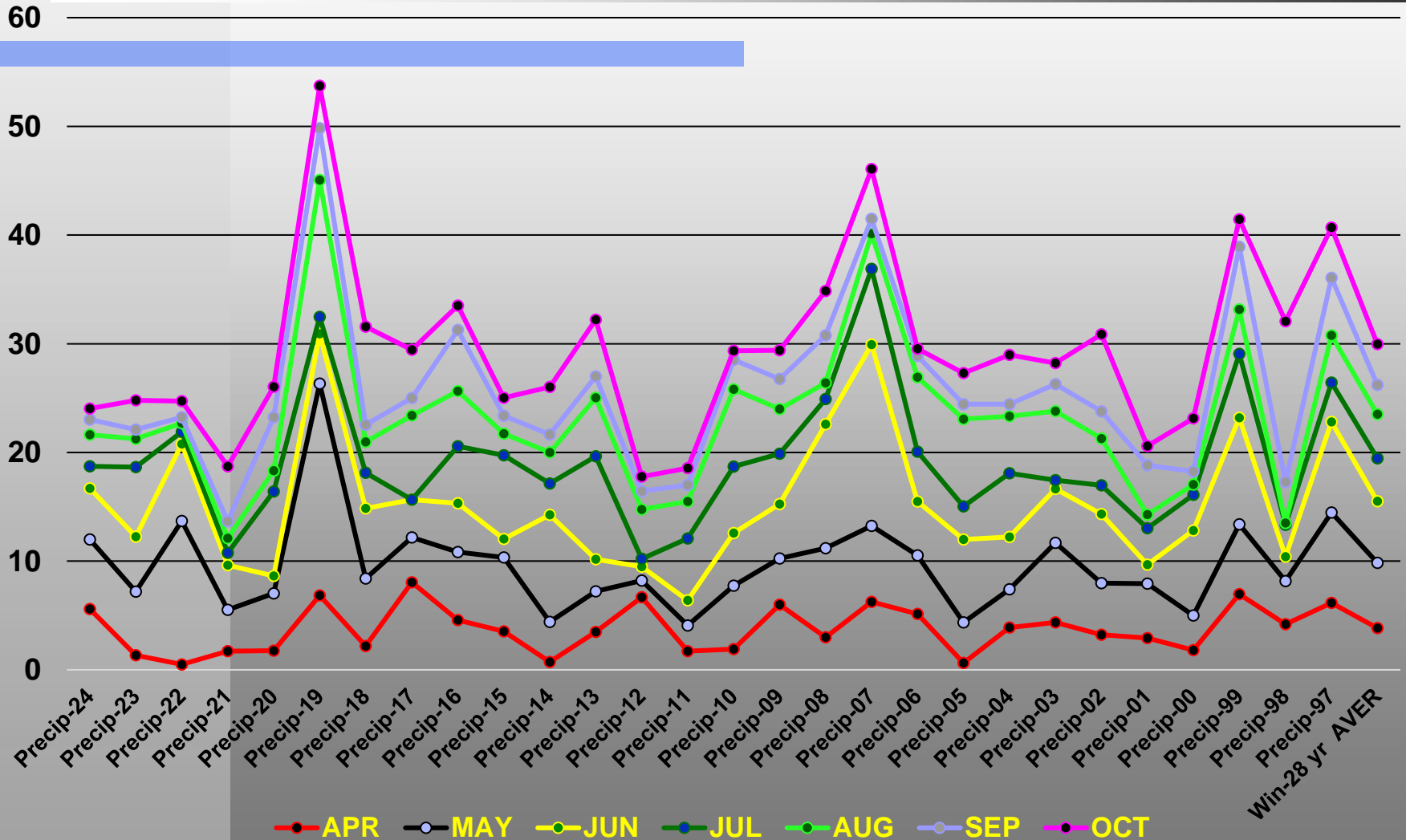
General Info.: Planting Dates / Timing of Planting

- **Traditional planting window:**
 - Mid-May thru 1st week in June, *as weather permits*
- **Newer planting trends:**
 - *late April thru June 10th (or so)*

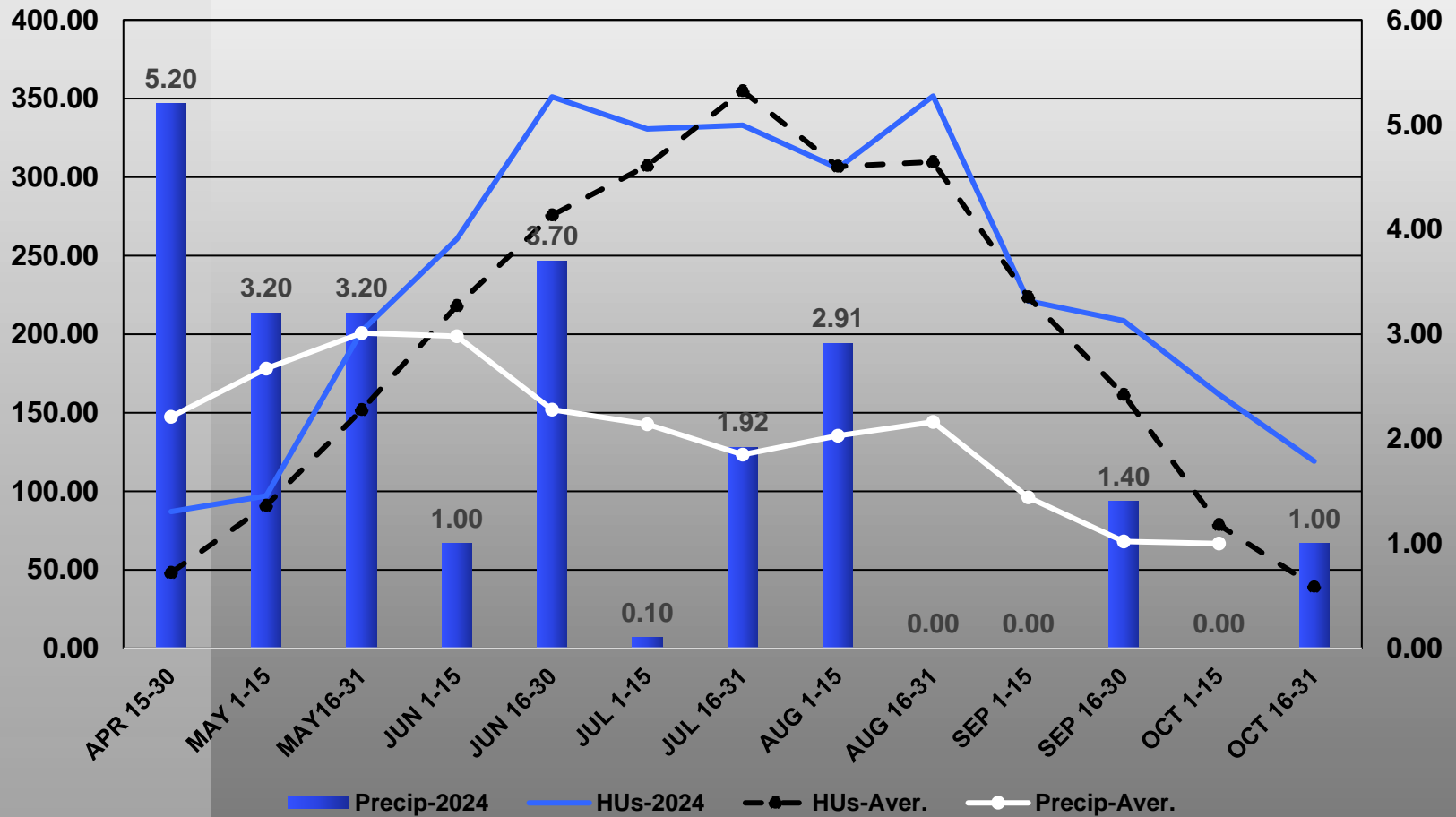
Cumulative Monthly HUs: May thru October; Winfield, KS (1997-2024)



Cumulative Monthly Precip.(Inches): April thru October; Winfield, KS (1997-2024)



HUs and Precip. (inches): 2024 vs Aver. Winfield, KS



Heat Units; Winfield, KS

- **Season totals:**

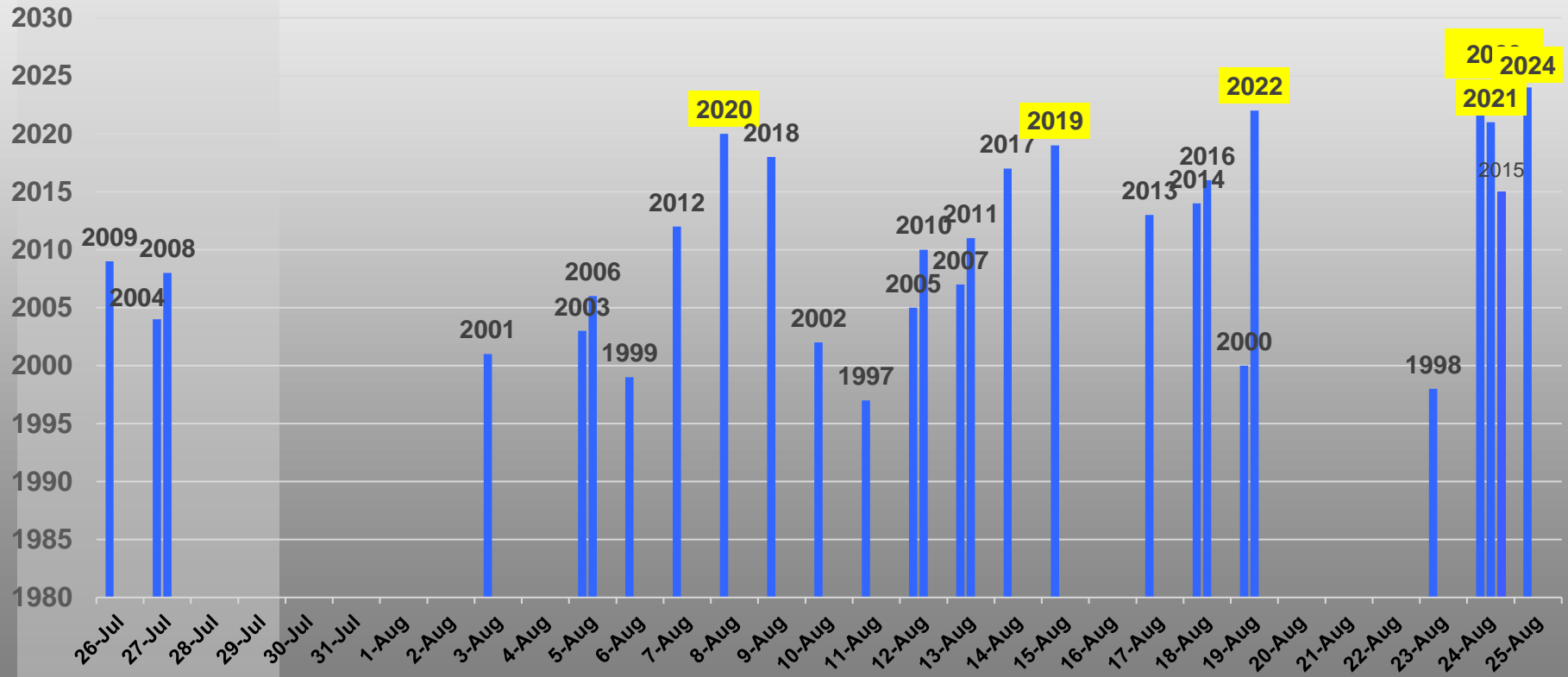
pl date 5/1 = 2936 (2024); 2520 (aver.)

pl date 5/15 = 2850 (2024); 2436 (aver.)

pl date 6/1 = 2638 (2024); 2278 (aver.)

- **850 HUs back from 1st freeze lands
us where on the calendar**

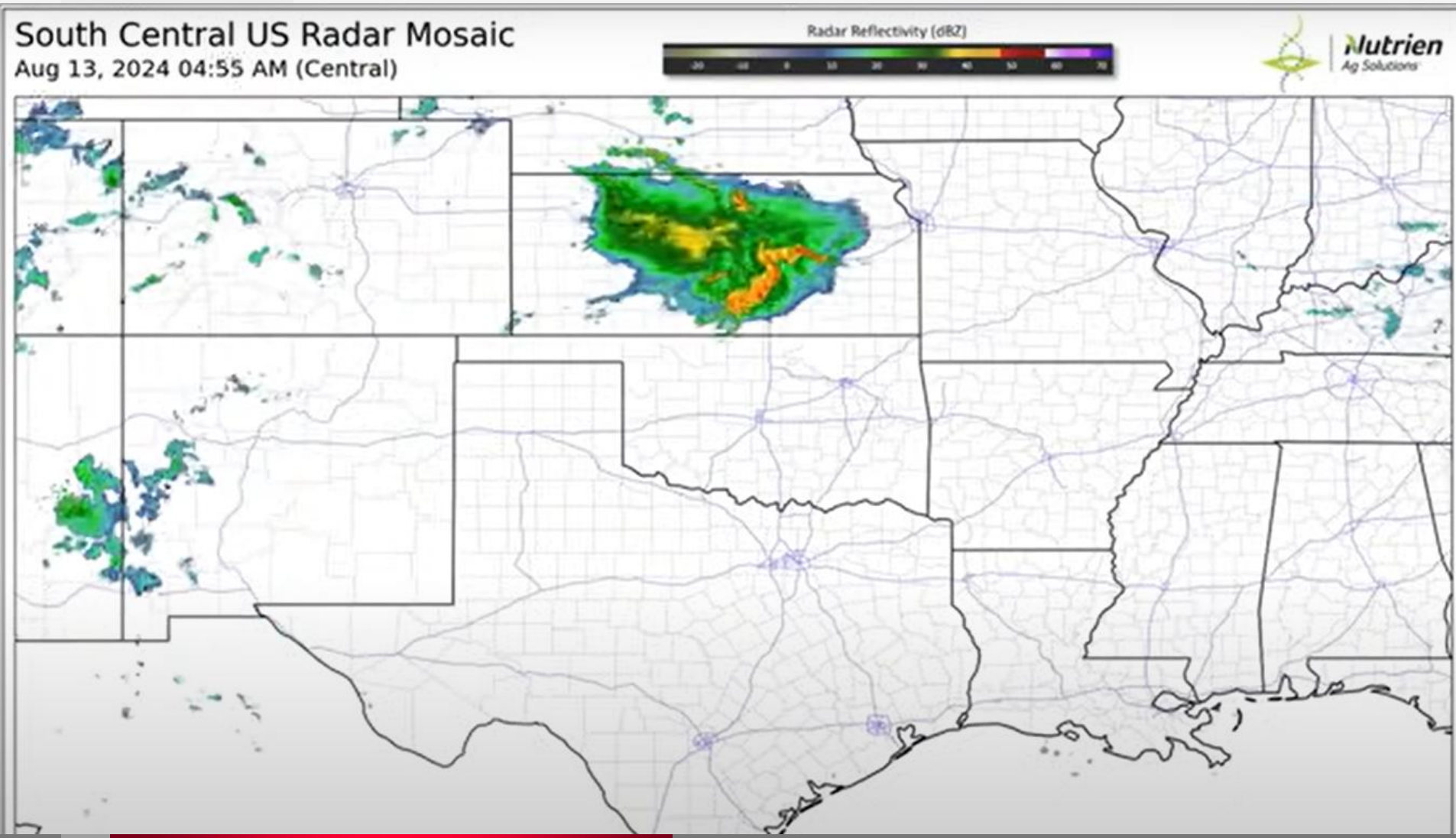
DATE = Season Total HUs minus 850



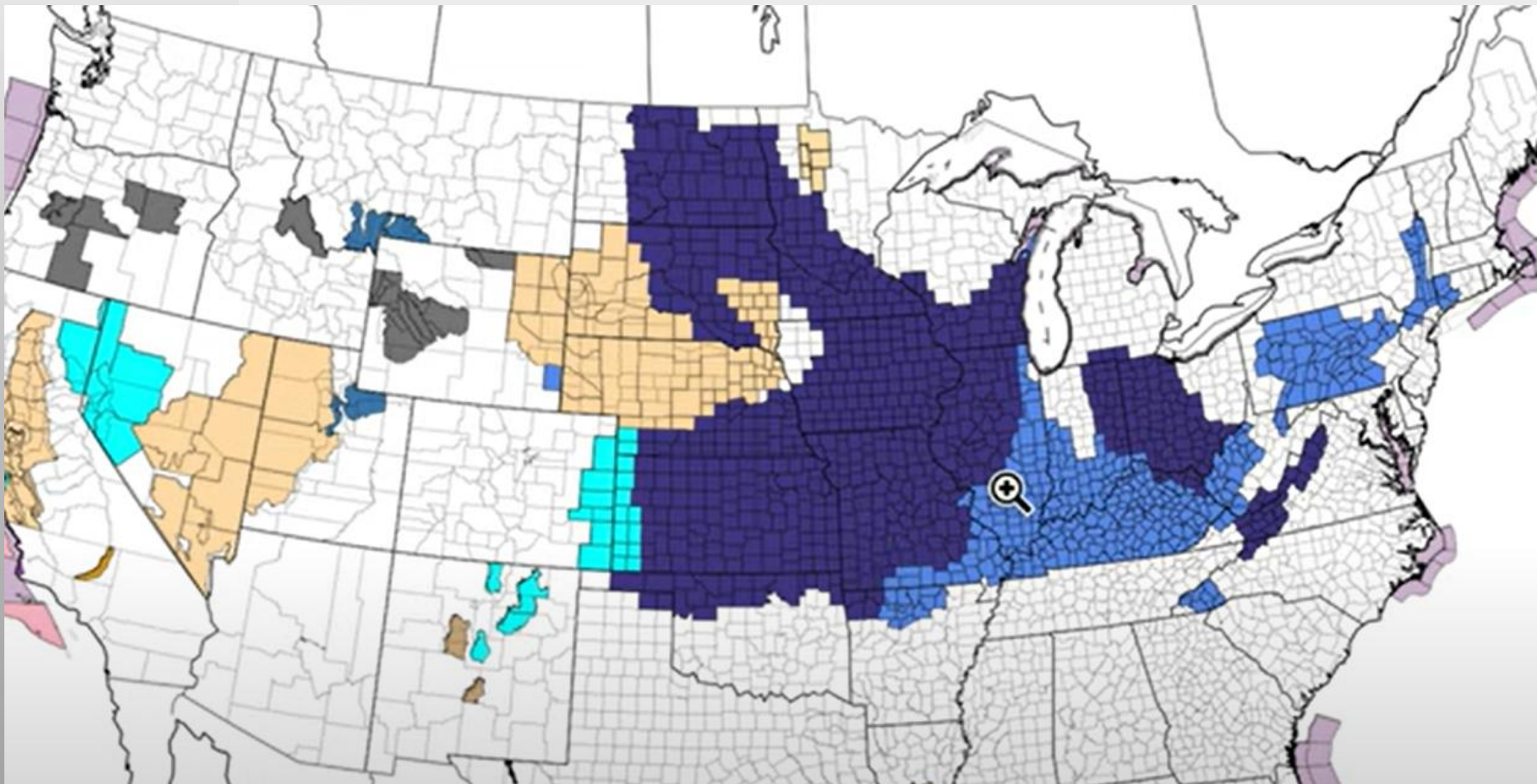
3 Significant Weather Events in 2024 affecting Production, Harvest, and Quality

- **“Million Dollar” rain on 8/12,13**
- **Early Freeze on 10/16 (severe in some areas, insignificant in others)**
- **Big Rain 11/2-4, and more to follow in November (very wet month)**

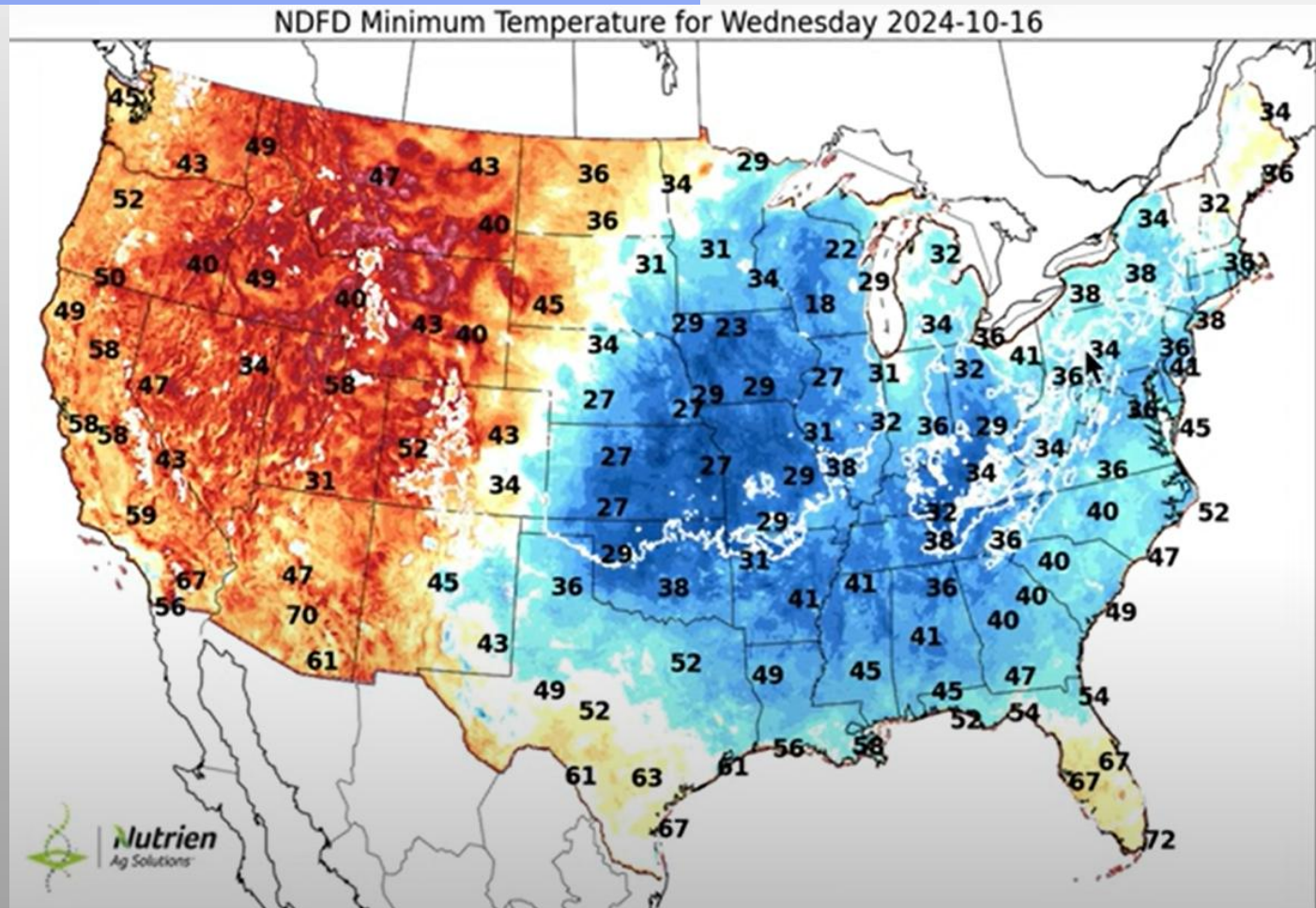
Our “Million Dollar” Rain*, 8/13, 2024



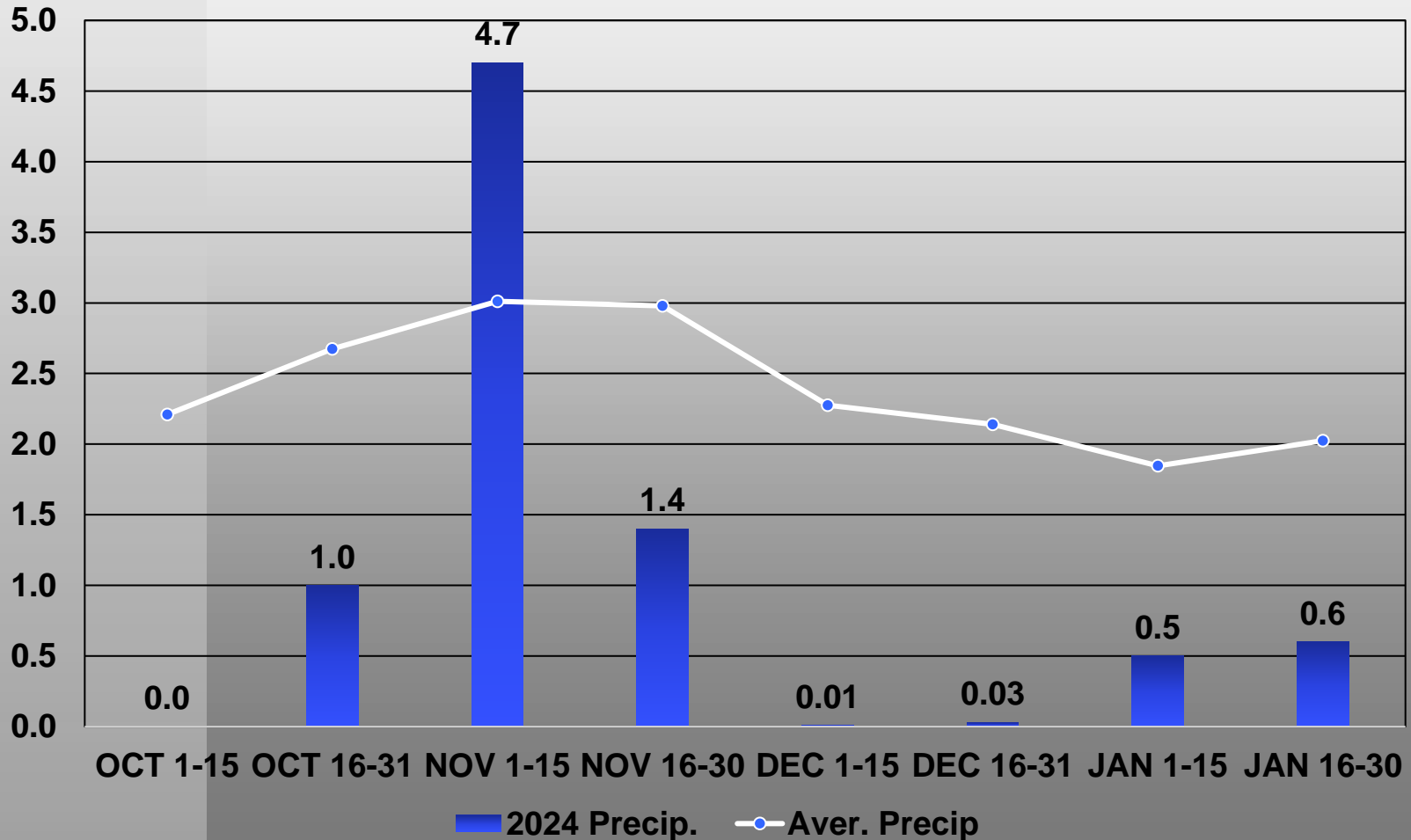
Freeze Warning for Oct. 16, 2024



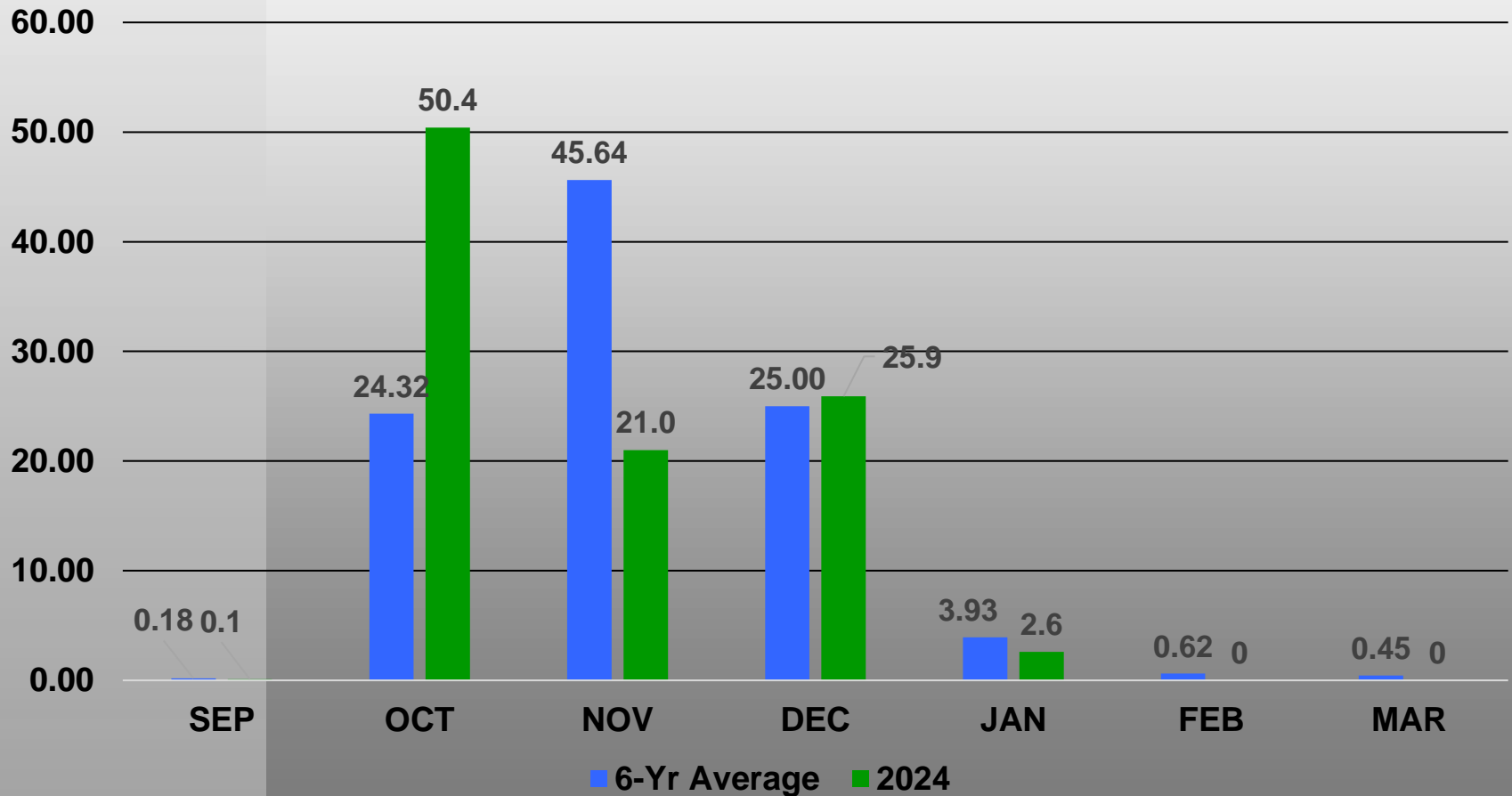
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Precipitation during Harvest: 2024 vs Average; Winfield, KS



Percentage of Total Finished Bales by Call-in Date (Month)



Effect of November Rain on Lint Quality, (Loan Rates)

| Call-in Date | Loan Rate | Color-1 | Color-2 | Leaf |
|--------------|-----------|---------|---------|------|
| Before 11/3 | \$0.5429* | 2.2 | 1.3 | 3.0 |
| After 11/3 | \$0.4533* | 4.4 | 2.1 | 4.3 |

Summary

- **Yields ranged from very good to poor due to highly variable rains statewide; average yield* overall was approximately 820 lbs/ac.**
- **In spite of a long periods of “hot and dry” in 2024, a “Million Dollar” rain in August kept most “in the game”, capped off with a rain in late September to finish out the crop**
- **An early freeze, on Oct. 16, with little-to-no warning, hurt yield and quality in some areas, especially in late maturity fields (esp. irrigated)**
- **A warm, dry fall allowed a record October harvest**
- **Significant rainfall in early November delayed harvest and reduced subsequent lint quality by approximately \$0.09/lb, on average**
- **A dry December allowed us to catch up on harvest**

2025?

- Price futures “depressing” for about everything
- Performance of beans (our primary competitor for acres) the last several years has been poor to very poor
- Cotton performance “decent” to quite good, those same years
- Cotton best drought crop
- Gut feeling: 2025 acres “same” to “up”
(I'm thinking “Up”)

Any Questions?

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email at rex.friesen@cotton.coop

