

Crop Marketing Update: Know Your Revenue Streams

August 17, 2022

Dr. S. Aaron Smith, Associate Professor and Extension Economist
Department of Agricultural and Resource Economics
University of Tennessee Institute of Agriculture

Email: aaron.smith@utk.edu

Web Page: <https://cropeconomics.tennessee.edu>

Trading Ranges

- December Cotton
 - 82.5 to 133.7 cents
- December Corn
 - \$5.62 to \$7.66
- November Soybeans
 - \$12.89 to \$15.84
- July 2023 Wheat
 - \$7.91 to \$11.58

Growing season
futures price
ranges.

Corn (ZCZ22) 621-6-4 (-1.03%) 621-4 x 16 621-6 x 84 08:39 CT[CBOT] DELAYED





Cotton #2 (CTZ22) 118.95+5.36 (+4.72%) 118.92 x 2 118.96 x 1 08:41 CT[ICE/US] DELAYED



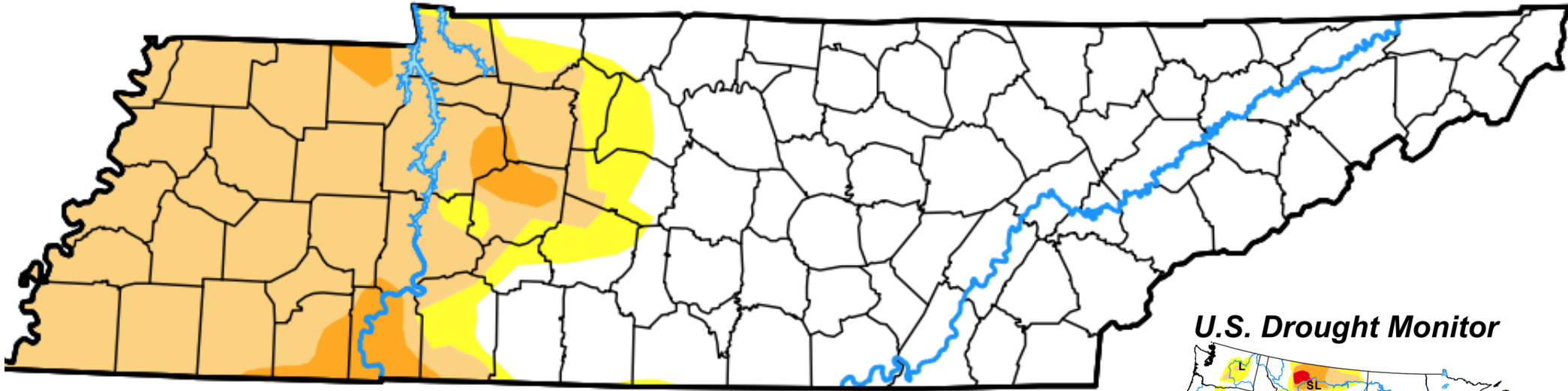
Wheat (ZWN23) 830-0-9-6 (-1.16%) 830-2 x 1 831-0 x 10 08:42 CT[CBOT] DELAYED



August WASDE Summary

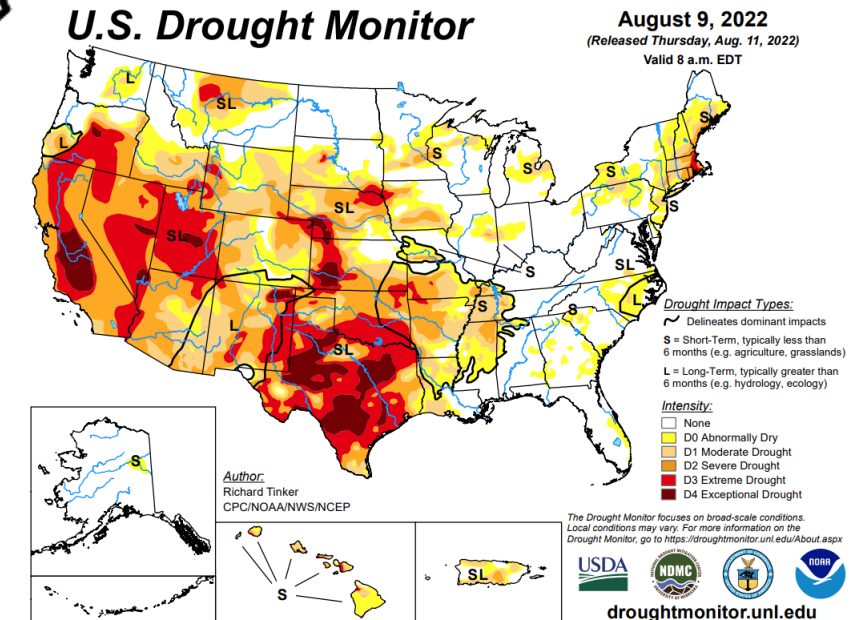
- National corn, soybean, upland cotton, and winter wheat yields were projected at 175.4 bu/acre, 51.9 bu/acre, 837 lbs/acre, and 47.9 bu/acre.
- National estimated planted (and harvested) acreage for corn, soybeans, and cotton were: 89.8 million acres (81.8 million); 88.0 million acres (87.2 million); and 12.48 million acres (7.13 million). Cotton abandonment is projected at 42.8%, well above previous projections.
- Tennessee yields: 130 bu/acre (corn), 44 bu/acre (soybean), 869 lbs/acre (cotton), and 71 bu/acre (wheat).
- Tennessee harvested acres: corn 920,000 acres; wheat 365,000; 1.77 million; and cotton 315,000.

U.S. Drought Monitor, August 9, 2022



In Tennessee:
3% is in severe drought
30% is in moderate drought
5% is abnormally dry

Drought is concentrated in the west.



Overview

- Cost of Production
- Production Estimates
- Crop Insurance
- Pre-Harvest Sales
- Gross Revenue Outcomes
- Current Position
- Other Considerations



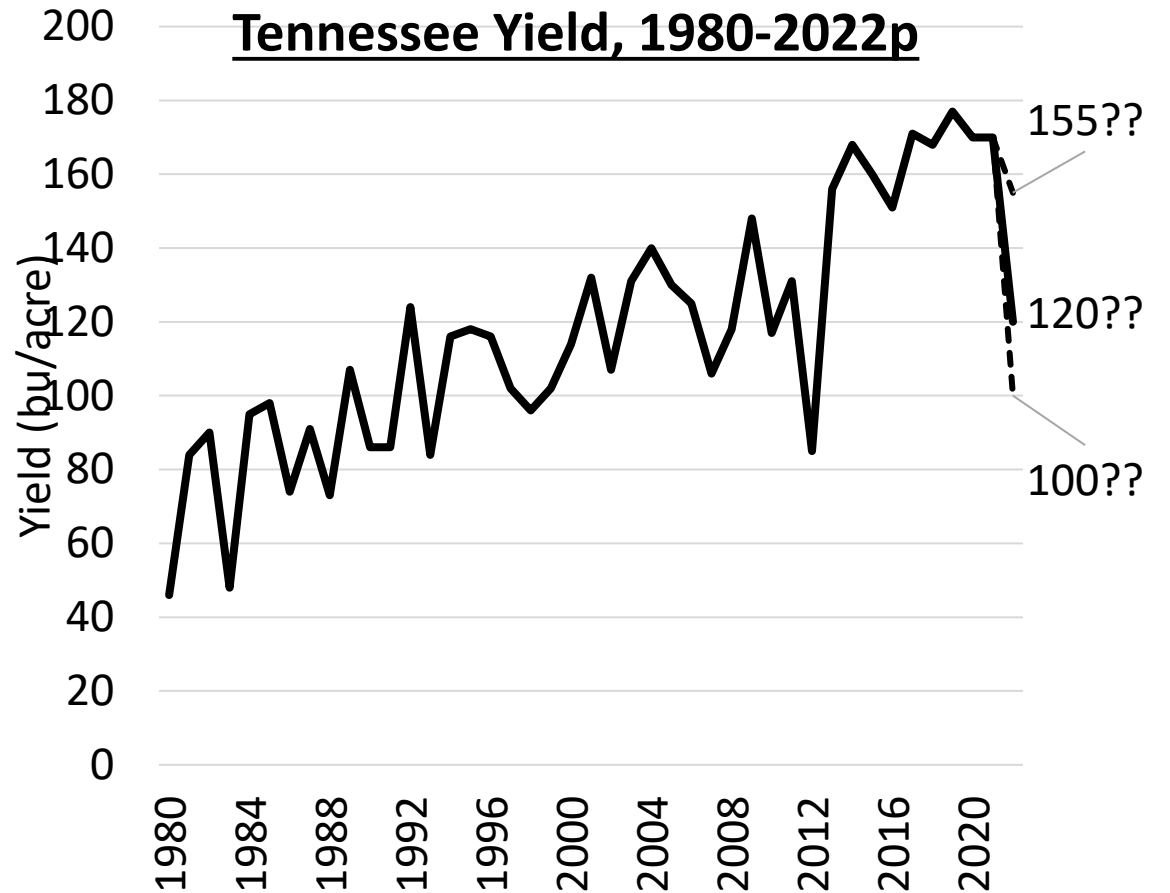
Update Your Cost of Production

- Budgeted investment in the 2022 corn crop varied tremendously.
 - How much of the inputs were applied and what are the costs incurred to date?
 - What are the projected remaining costs to bring the crop to market?

Variable Expenses	<u>\$/acre</u>
Seed	115.00
Fertilizer & Lime	300.00
Chemical	65.00
Crop Scout or Consultant	15.00
Repair & Maintenance	43.00
Fuel, Oil & Filter	40.00
Operator Labor	15.00
Crop Insurance	25.00
Operating Interest	25.00
Total Variable Expenses	643.00
Fixed Expenses	<u>\$/acre</u>
Capital Recovery	125.00
General Overhead	25.00
Cash Rent	104.00
Management Labor	25.00
Total Fixed Expenses	279.00
Total Expenses	922.00

What are my current production estimates?

- Production estimates will be all over the map ranging from complete write offs to minimal yield losses.
 - Projecting a yield range will allow producers to estimate potential gross revenue.



What is the base level of protection that is provided by your crop insurance policy?

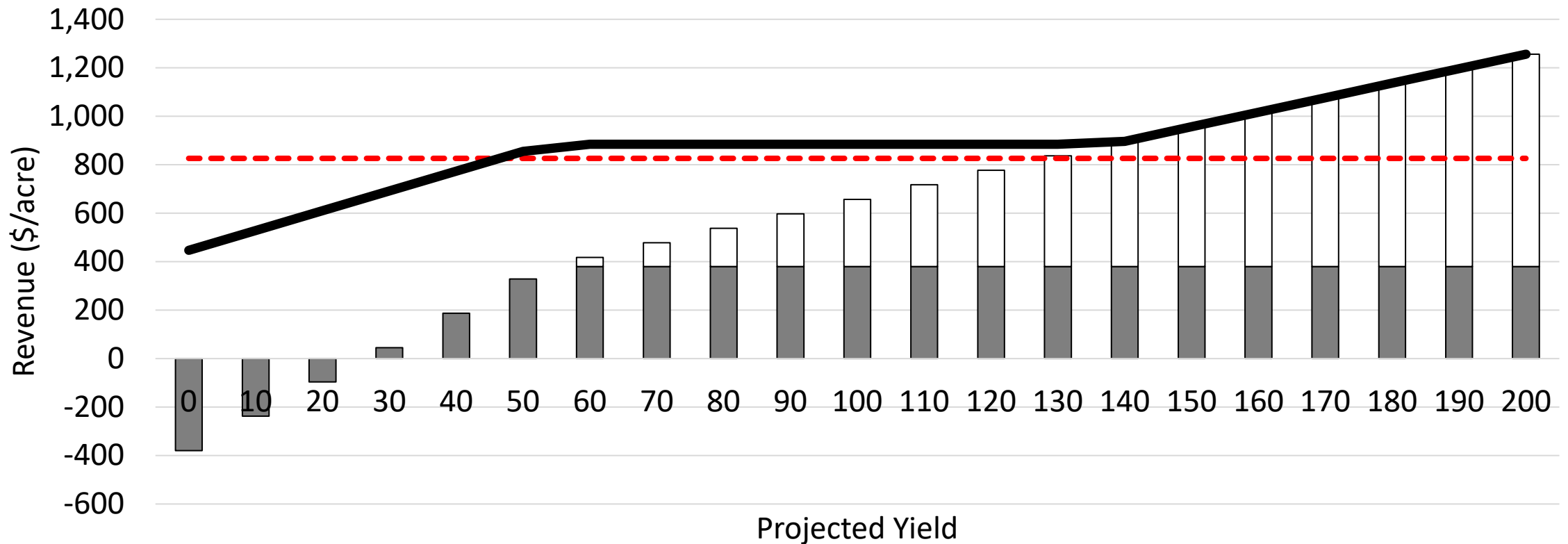
- Communication with your crop insurance agent during a drought is essential.
- Know each insured unit's revenue guarantee.
 - For example, for corn, \$5.90 (projected price) x 175 (APH) x 80% provides a revenue guarantee of \$826/acre.
- Calculate your “Trigger Yield”.
 - The yield where indemnity payments would commence.
 - December futures contract \$5.99 ($\$826 / \$5.99 = 138$ bu/acre).
- Harvest price?
- Base level crop insurance protection should be considered when evaluating current and future market-based transactions.

Pre-Harvest Sales

- How much production is currently priced?
- How was it priced?
 - Cash forward contracts, options etc.
- Are there quality concerns?
 - Mycotoxins
- Does forward priced production exceeds projected production?



Gross Revenue Estimates



■ Priced □ Unpriced - - - Crop Insurance Revenue Guarantee — Gross Revenue

Crop Insurance: Projected Price = \$5.90; APH = 175 bu; Buy-Up 80%; Revenue Guarantee \$826/acre; Trigger Yield 138 bu.
Market: Current Harvest Futures Price = \$5.99; Priced 53.6 bu; Average Price Contracted \$7.08.

Current Position

Current Market Estimates

Acres	280	Acres
Current Harvest Futures Price	\$5.99	\$/bu
Basis	\$0.35	\$/bu
Projected Yield	100	bu/acre
Cost of Production	\$922.00	\$/acre
Crop Insurance Expected Actual Revenue	\$599.00	\$/acre

Crop Insurance (Each Insured Unit)

APH	175	bu/acre
Projected Price	\$5.90	\$/bu
Buy-up	80%	%
Revenue Guarantee	\$826.00	\$/acre

<u>Sales</u>	Bushels	Price
1-Mar-22	5,000	\$6.50
31-May-22	5,000	\$7.25
15-Jun-22	5,000	\$7.50
Total Sales	15,000	
Average Price		\$7.08

Pricing Position

Estimated Production	28,000	bu
Priced	15,000	bu
Unpriced	13,000	bu

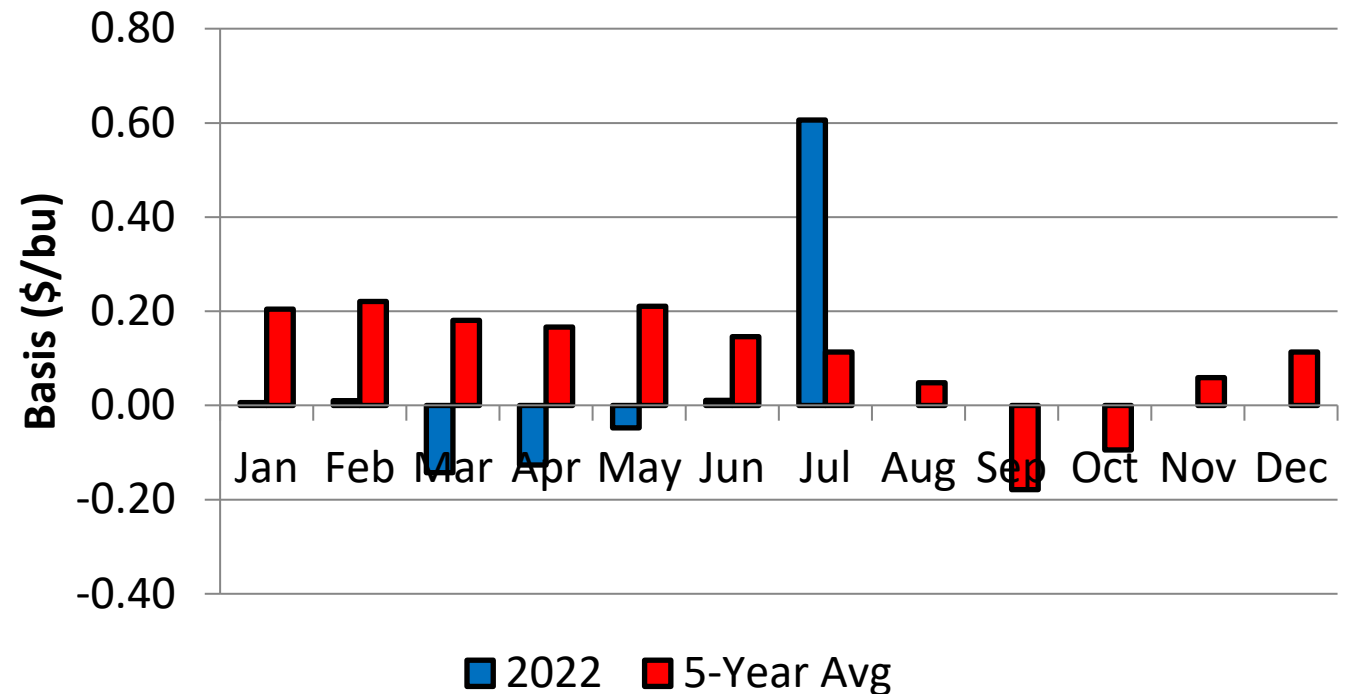
Projected Revenue

Indemnity Payment	\$227.00	\$/acre
Pre-Harvest Sales	\$379.46	\$/acre
Harvest /Post Harvest Sales	\$294.36	\$/acre
Gross Revenue	\$900.82	\$/acre
Net returns	-\$21.18	\$/acre
Net returns	-\$5,930.00	\$

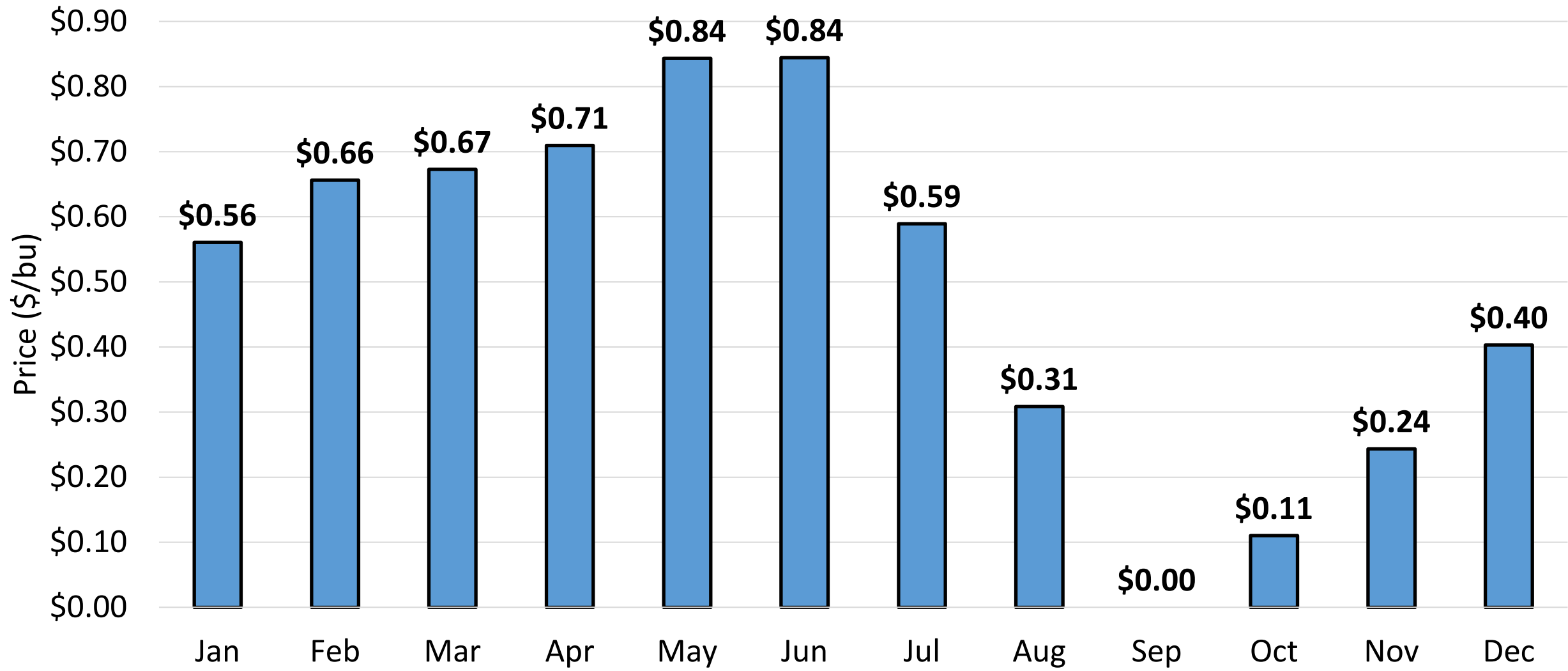
Other Considerations

- Forage / Feed
- Quality / Dockage
- Options Strategies
- Storage and Basis

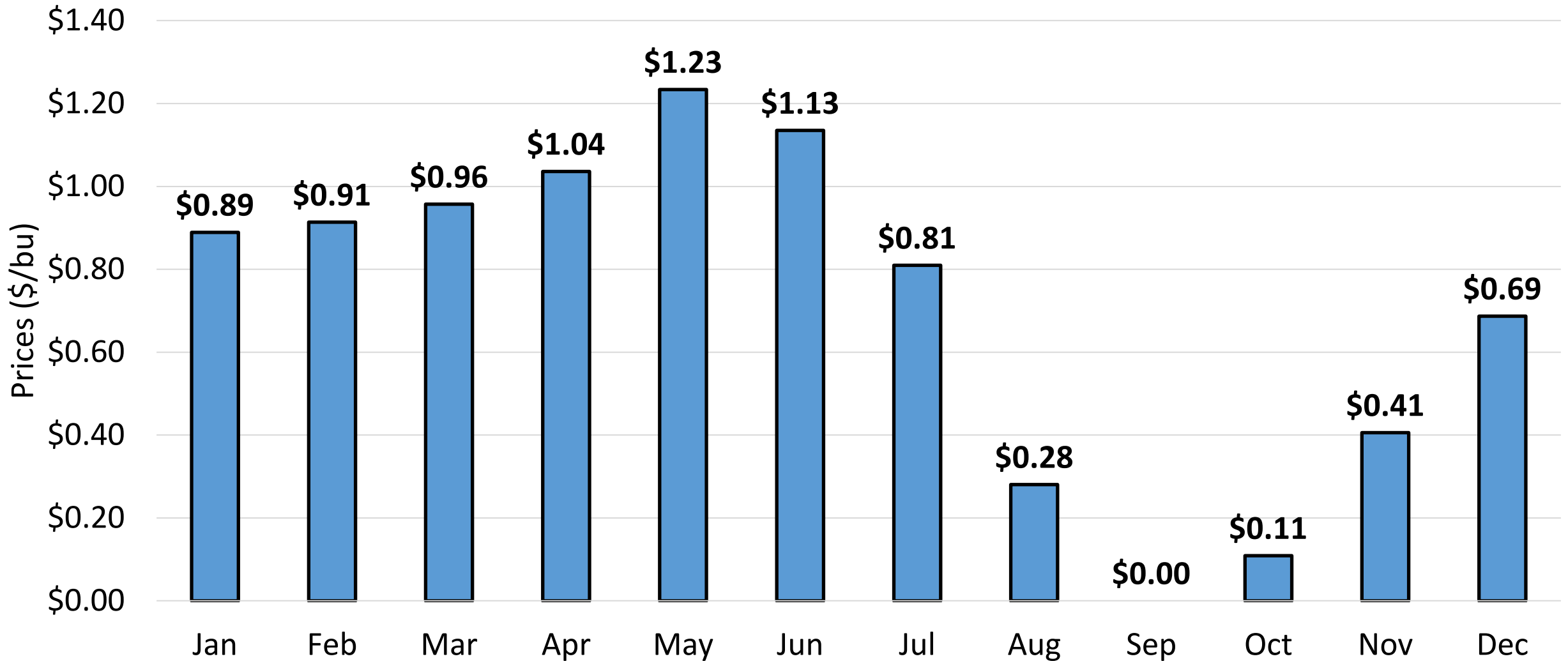
Northwest Tennessee Average Monthly Corn Basis (Elevators and Barge Points), 5-Year Average and 2022



Tennessee Corn Average Cash Price Improvement from September by Month, 2013/14 to 2020/21 Marketing Years



Tennessee Soybean Average Cash Price Improvement from September by Month, 2013/14 to 2020/21 Marketing Years



Thank You!

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SUPPORTING MATERIALS