

Updated Supply, Demand and Price Prospects for Corn and Soybeans

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Presentation Materials

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Figure 1. December 1 Corn Stocks

Average Trade Estimate =
11,511 mill. Bu.

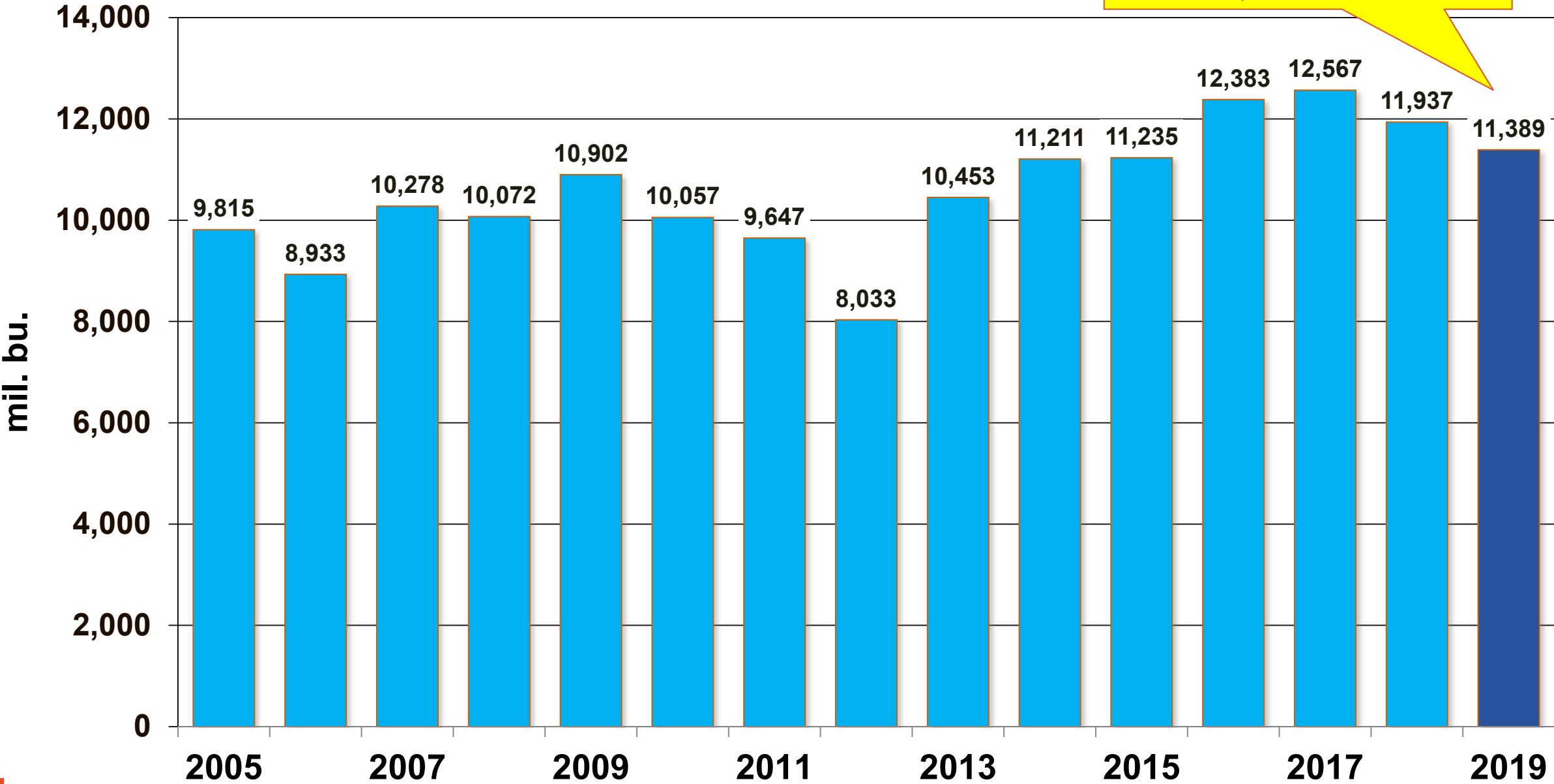


Figure 2. December 1 Corn Grain Stock Report Surprises

Market Surprise for NASS 1st Quarter Implied Usage Estimates for U.S. Corn, 1983-84 through 2019-20 Marketing Years

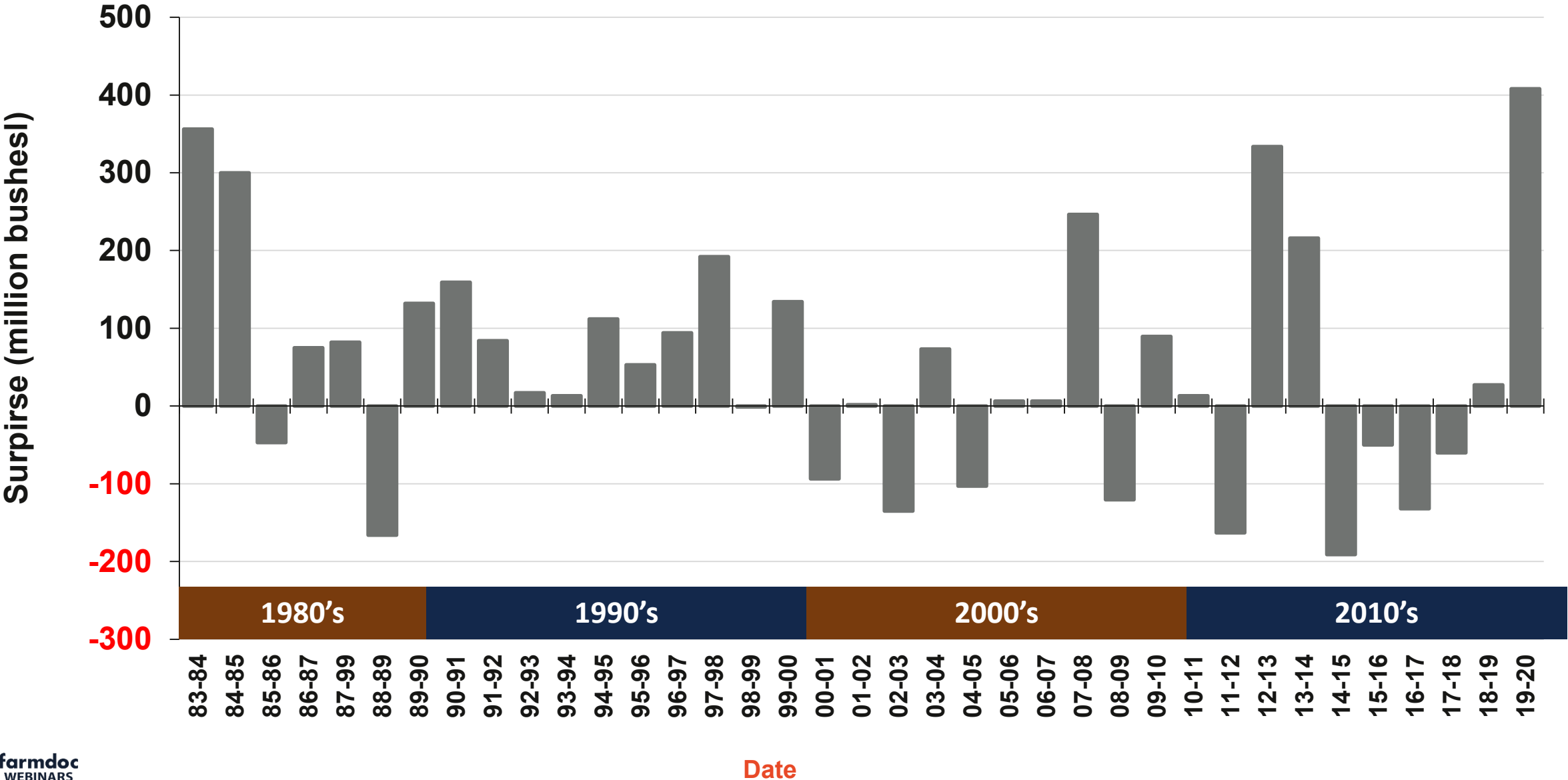
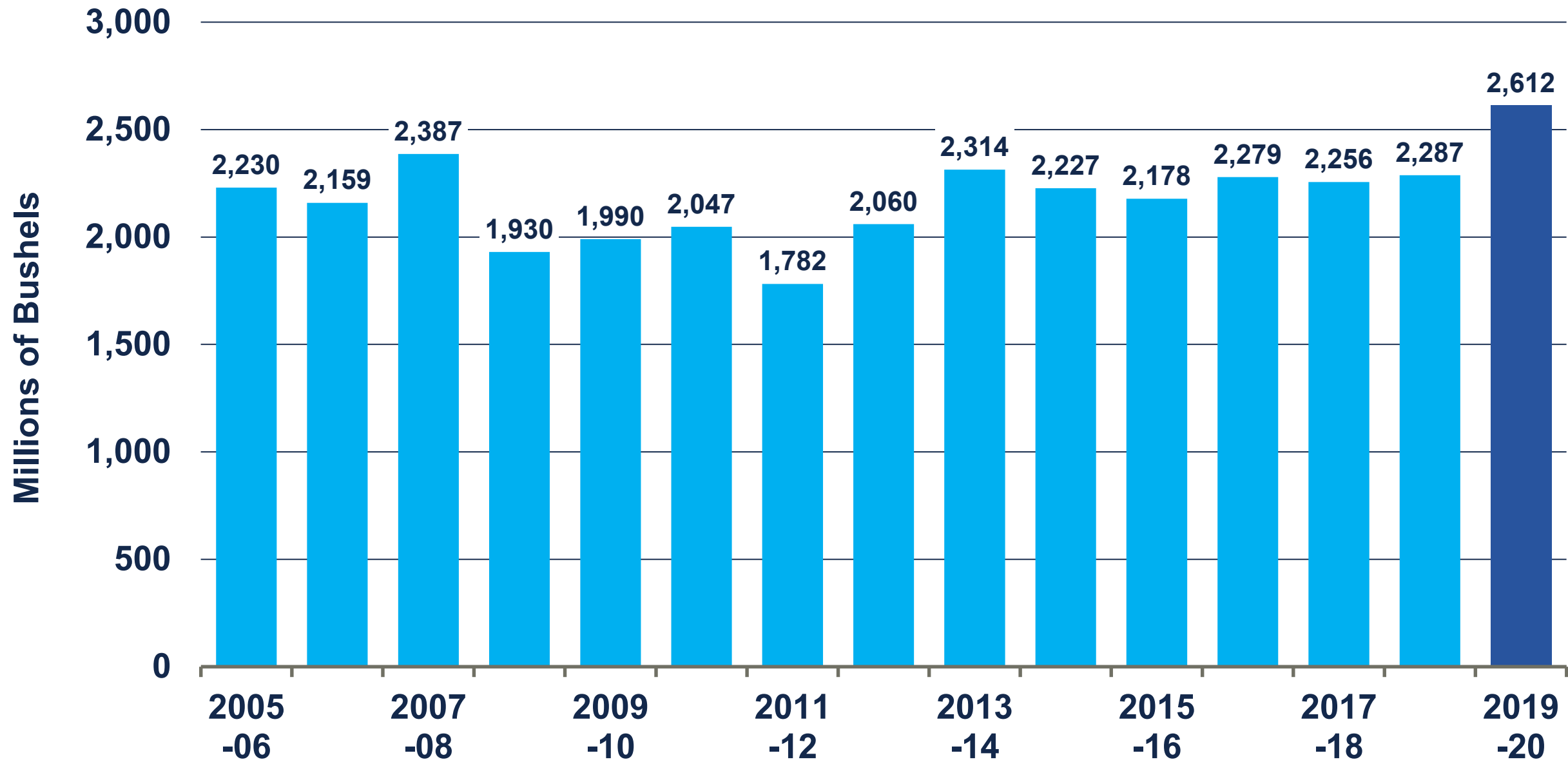


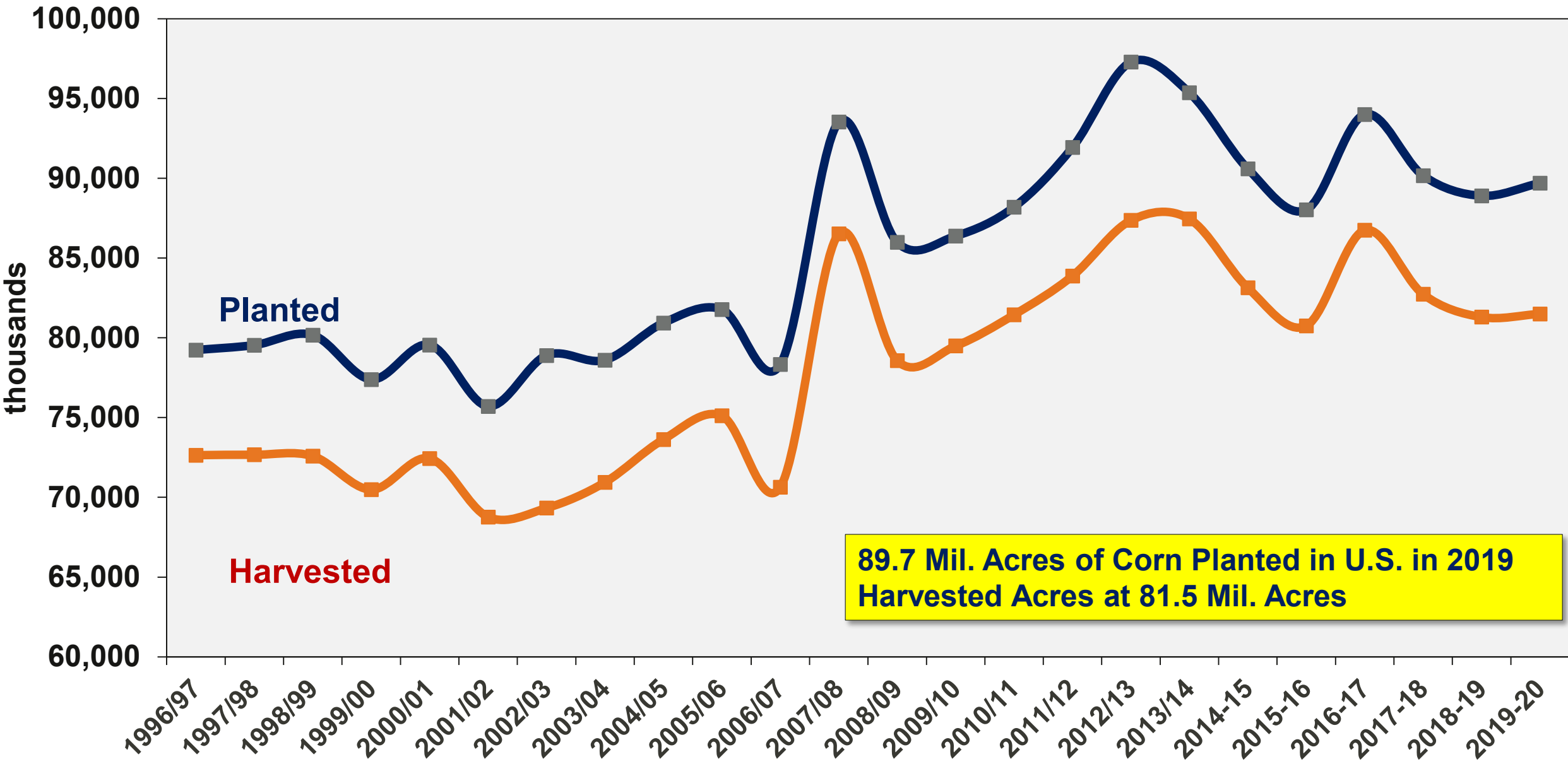
Figure 3. **First Quarter Feed and Residual Use of Corn**



**Figure 4: Projections for 2019/20 Marketing Year
Feed and Residual Use of Corn**

Rate of First Quarter Disappearance	Implied 19/20 MY Feed and Residual Use
37% <i>Observed During 1996/97-2005/06</i>	7,059
39% <i>Observed During 2006/07-2009/10</i>	6,697
45% <i>Observed During 2010/11-2013/14</i>	5,804
43% <i>Observed During 2014/15-2018/19</i>	6,074
USDA 19/20 Projection	5,525 mbu

Figure 5: Planted and Harvested Acreage of Corn



**89.7 Mil. Acres of Corn Planted in U.S. in 2019
Harvested Acres at 81.5 Mil. Acres**

Figure 6: U.S. Average Corn Yield

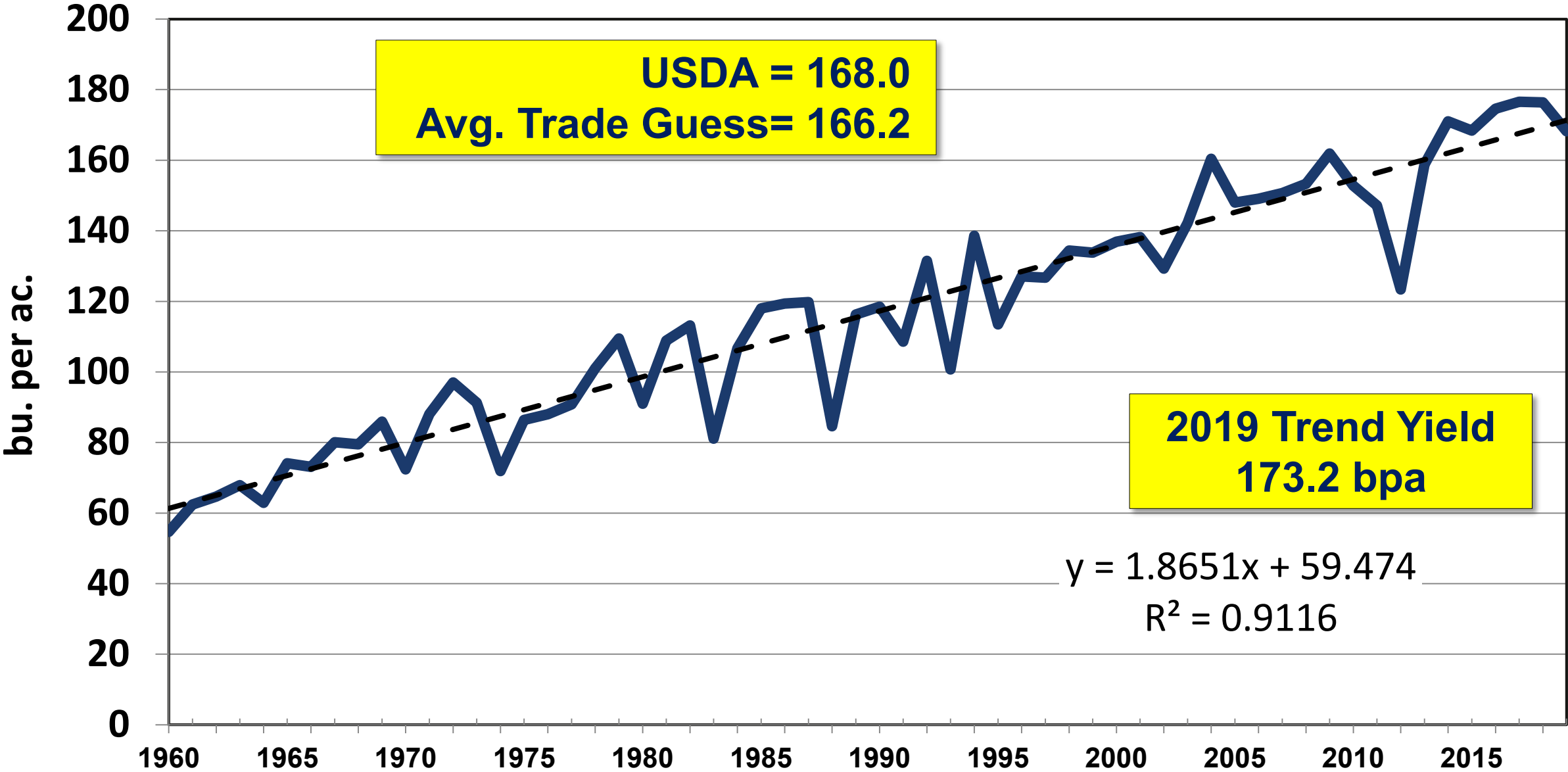


Figure 7: Trend Deviations for U.S. Average Corn Yield

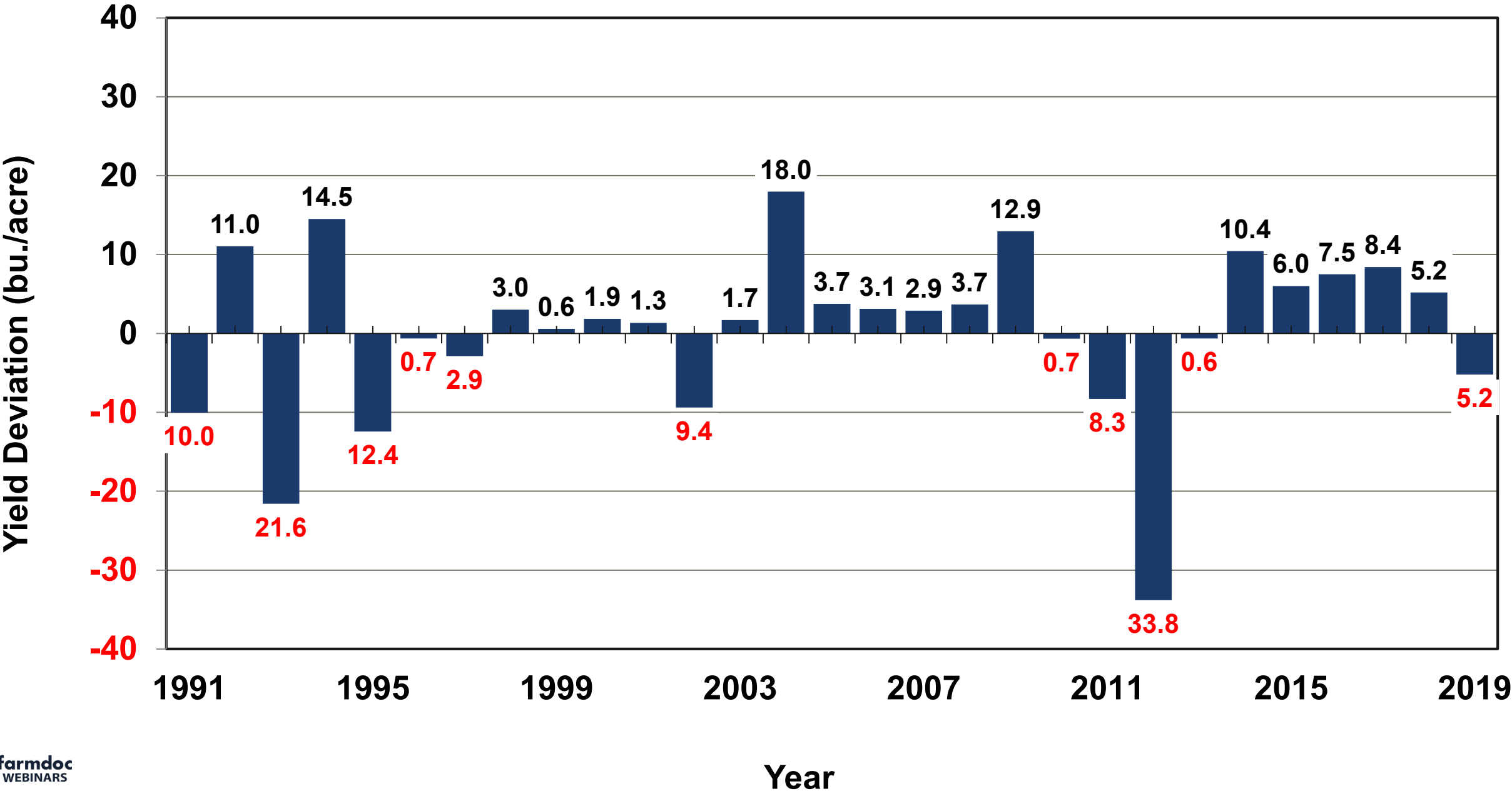


Figure 8. Corn Yield by State
Bushels and Change from Previous Year

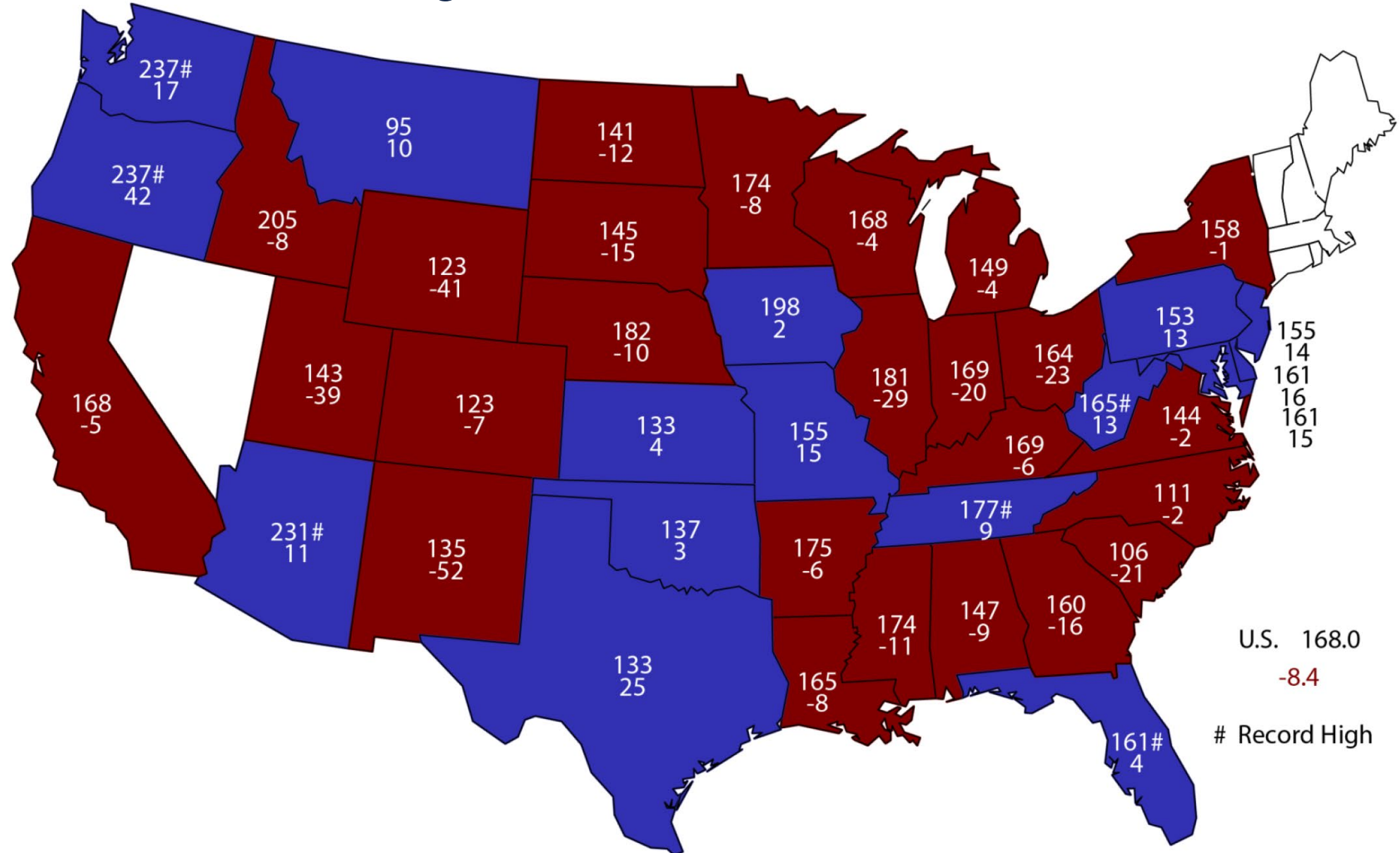


Figure 9. January U.S. Corn Yield Estimate Minus Nov. Forecast

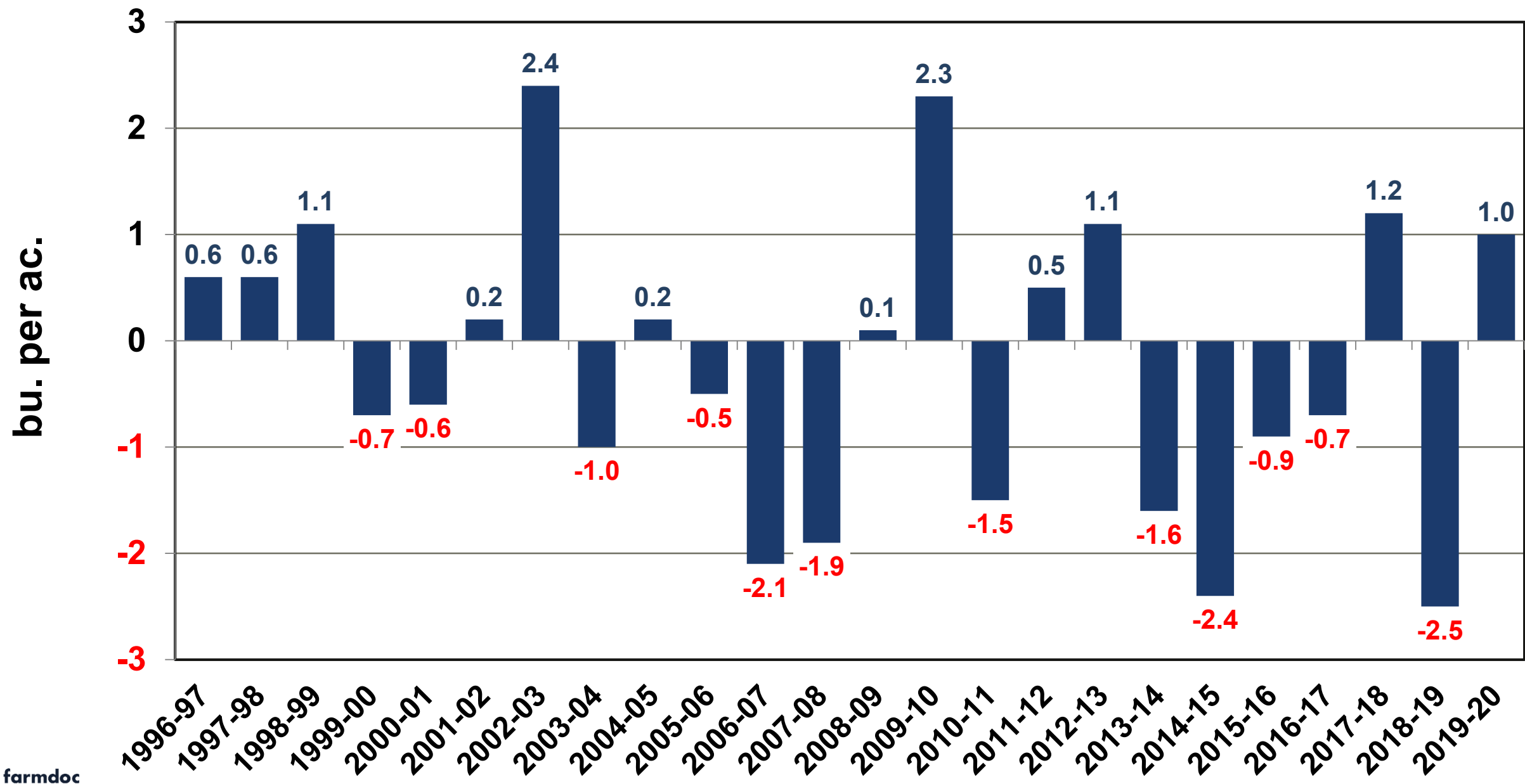


Figure 10. U.S. Corn Production

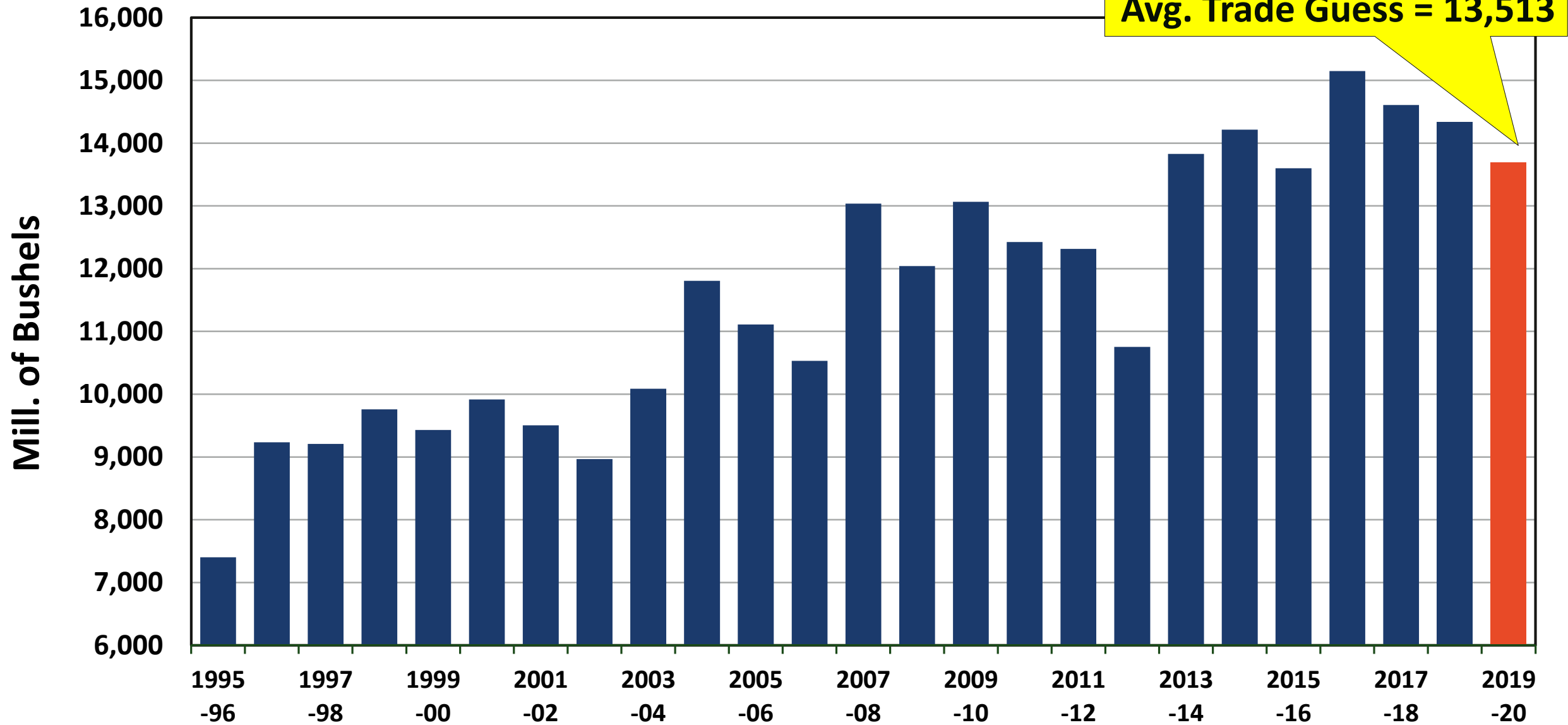


Figure 11. USDA January Corn Production Minus November Forecast

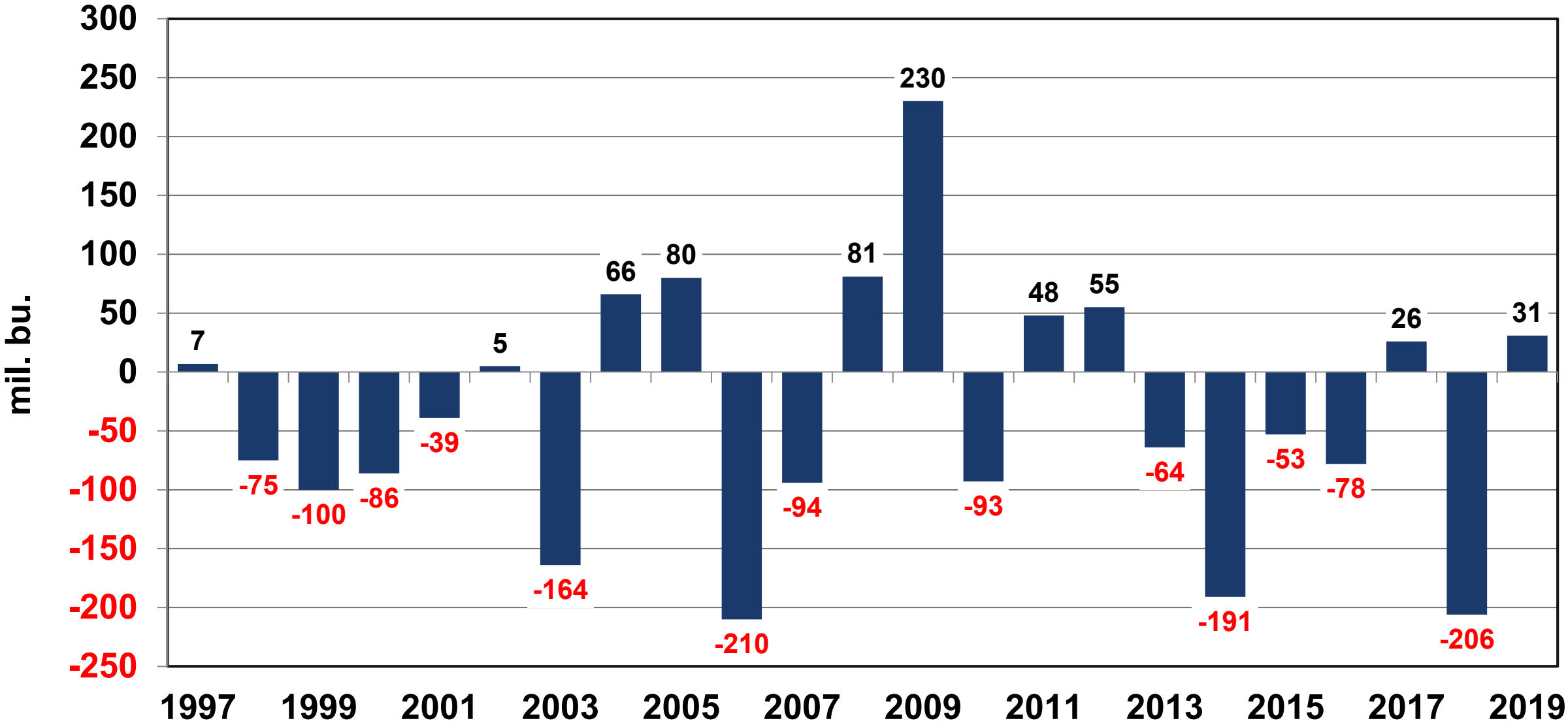


Figure 12. U.S. Agricultural Exports to China: Previous 3 Years

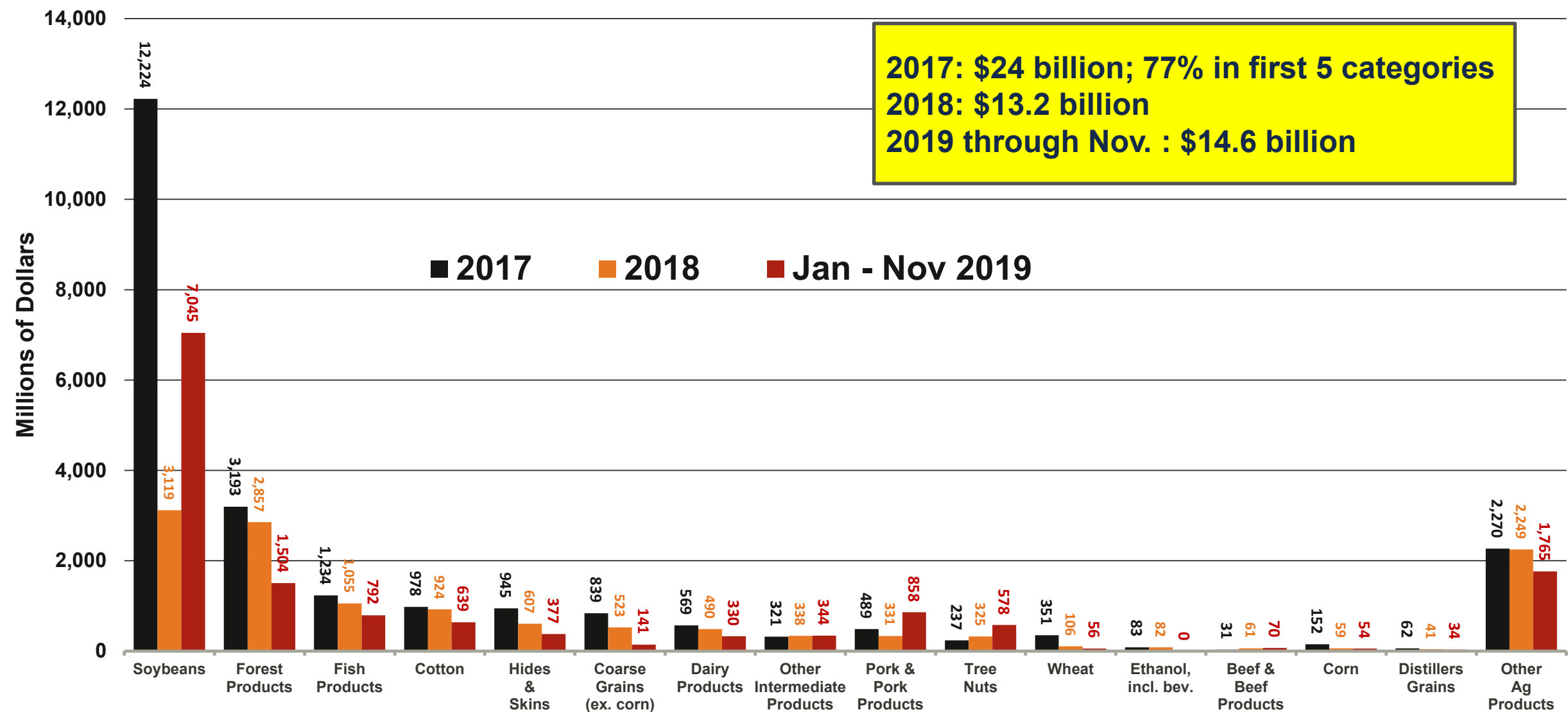


Figure 13: Corn Balance Sheet

	2019-20 USDA Forecast	2019-20 Forecast	2020-21 Forecast
Supply:			
Planted Acreage (mill. Ac.)	89.7	89.7	92.1
Harvested Acreage (mill. Ac.)	81.5	81.0	84.7
Yield (Bu. / Ac.)	168.0	167.0	177.4
Total Production(mill. Bu.)	13,692	13,527	15,025
Beginning Stocks(mill. Bu.)	2,221	2,221	1,542
Imports (mill. Bu.)	50	50	50
Total Supply (mill. Bu.)	15,962	15,798	16,617
Consumption:			
Feed and Residual (mill. Bu.)	5,525	5,525	5,500
Food, Seed, and Industrial (mill. Bu.)	6,770	6,805	6,800
Ethanol (mill. Bu.)	5,375	5,410	5,400
Exports (mill. Bu.)	1,775	1,845	2,050
Total Consumption (mill. Bu.)	14,070	14,175	14,350
Ending Stocks (mill. Bu.)	1,892	1,623	2,267
Stocks-to-Use	13.4%	11.4%	15.8%
Average Price (\$/bu.)	\$3.85	\$4.00	\$3.55

Figure 14. December 1 Soybean Stocks

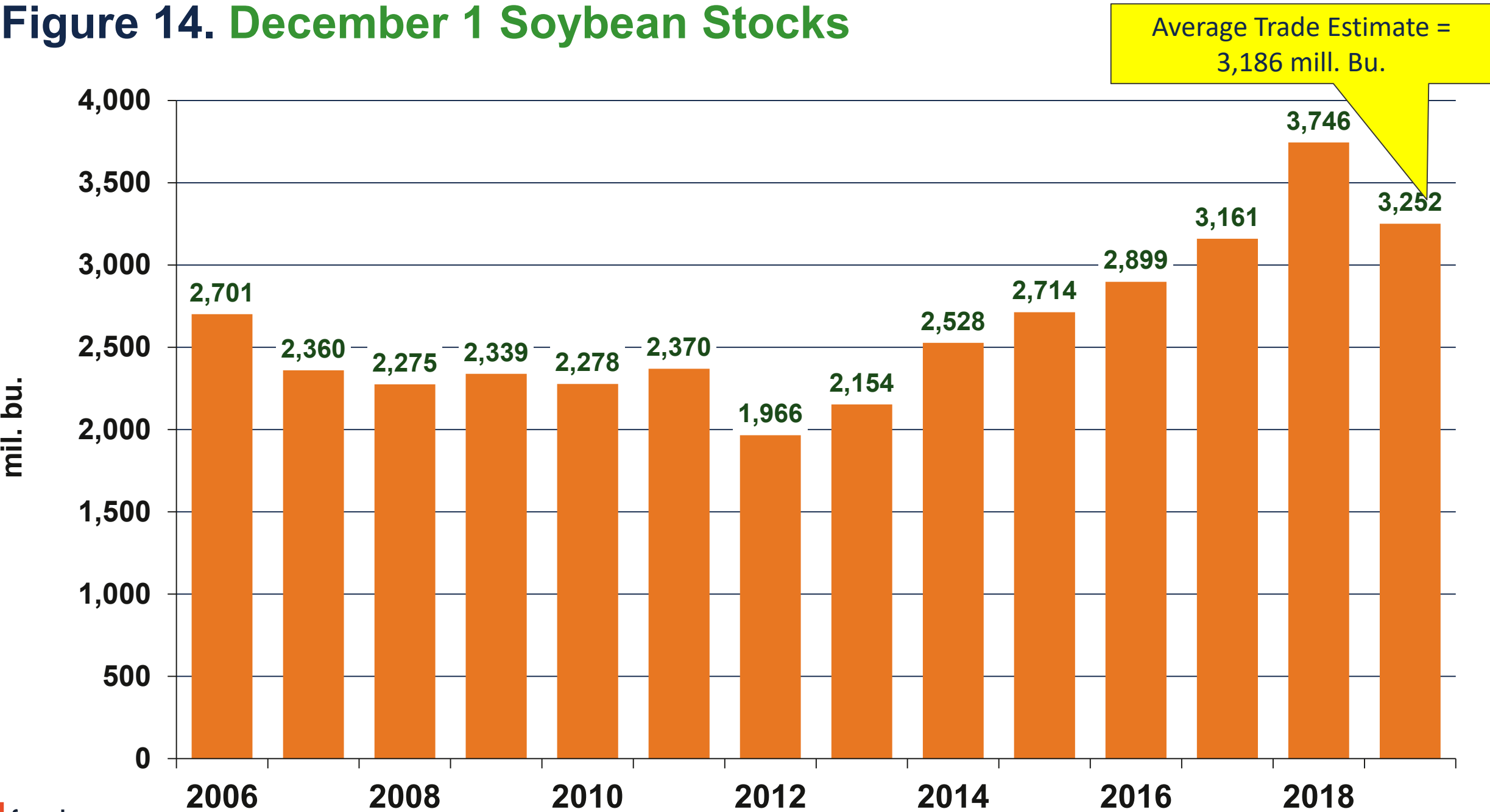


Figure 15. December 1 Soybean Stocks Surprises
Market Surprise for NASS 1st Quarter Implied Usage Estimates for U.S. Soybeans
1983-84 through 2019-20 Marketing Years

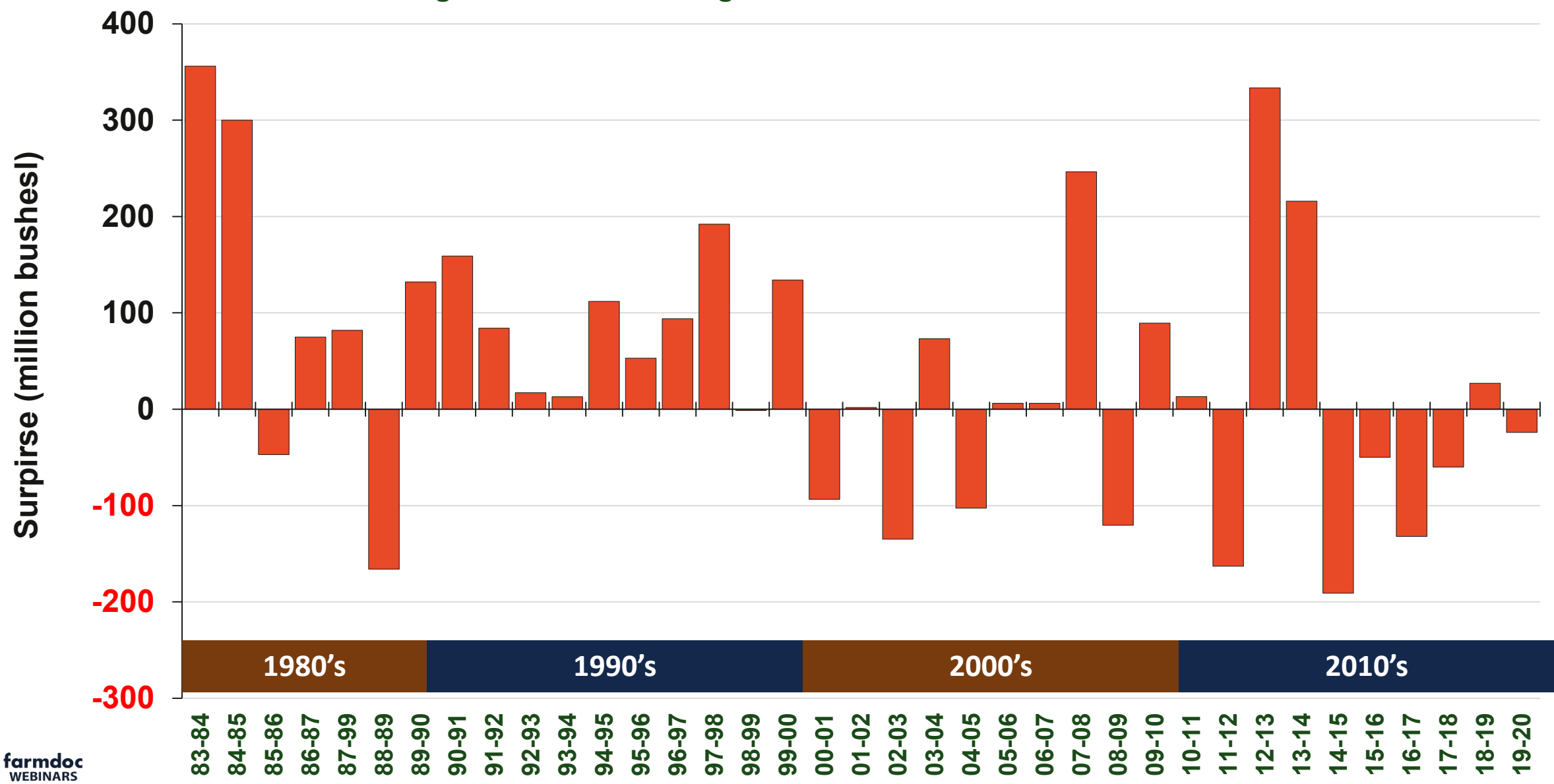
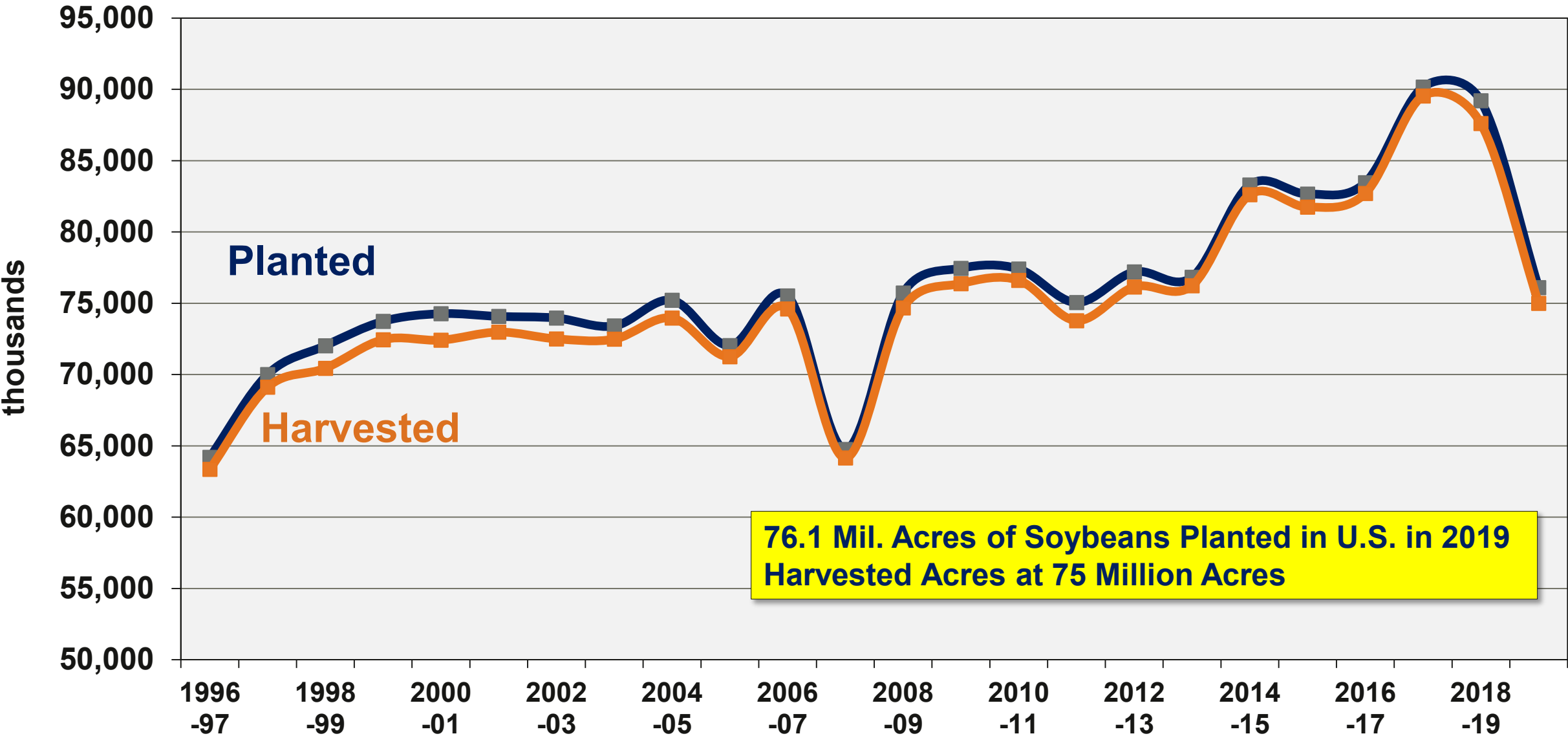


Figure 16: Planted and Harvested Acreage of Soybeans



76.1 Mil. Acres of Soybeans Planted in U.S. in 2019
Harvested Acres at 75 Million Acres

Figure 17: U.S. Average Soybean Yield

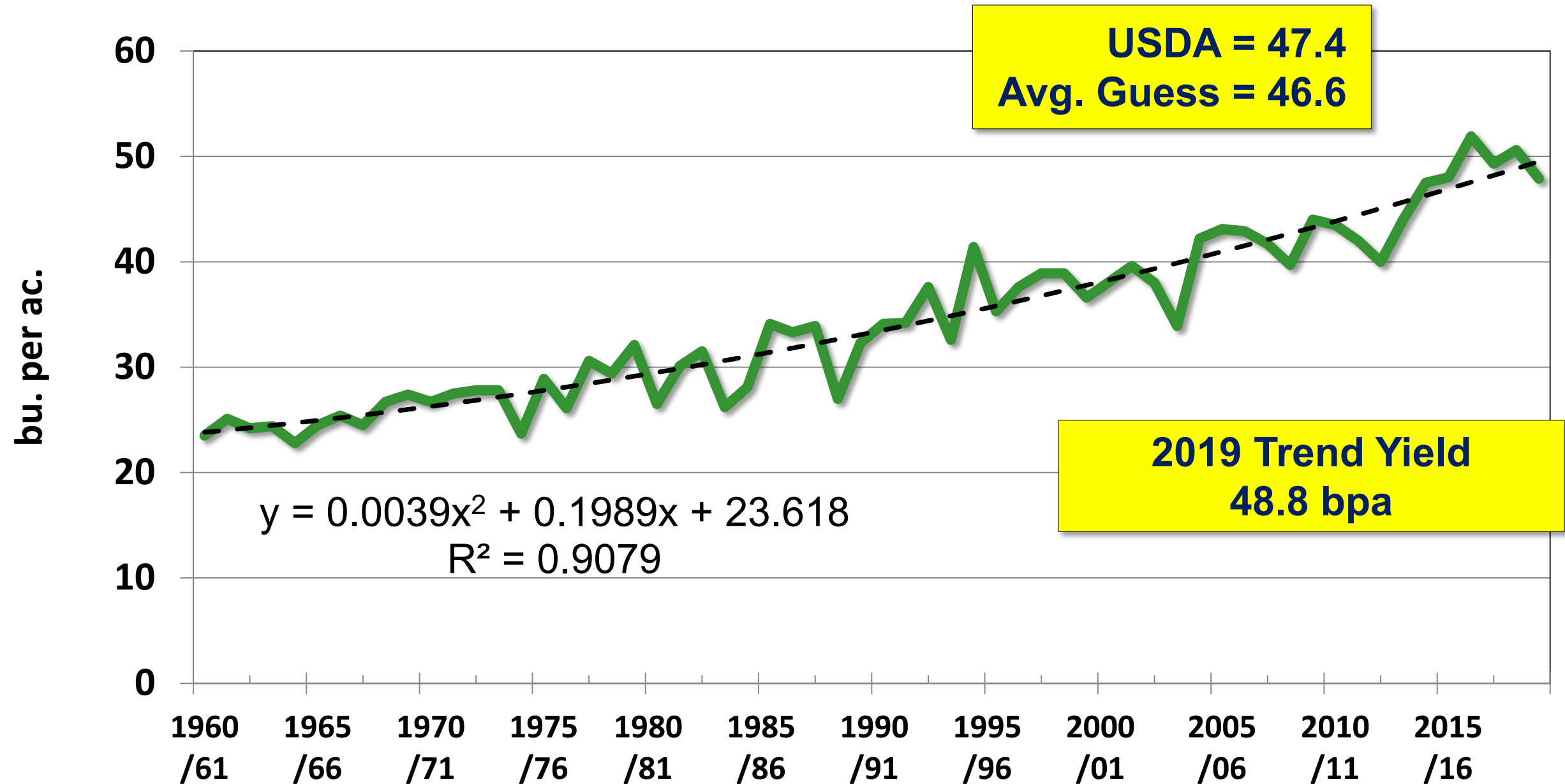


Figure 18. Trend Deviations for U.S. Average Soybean Yield

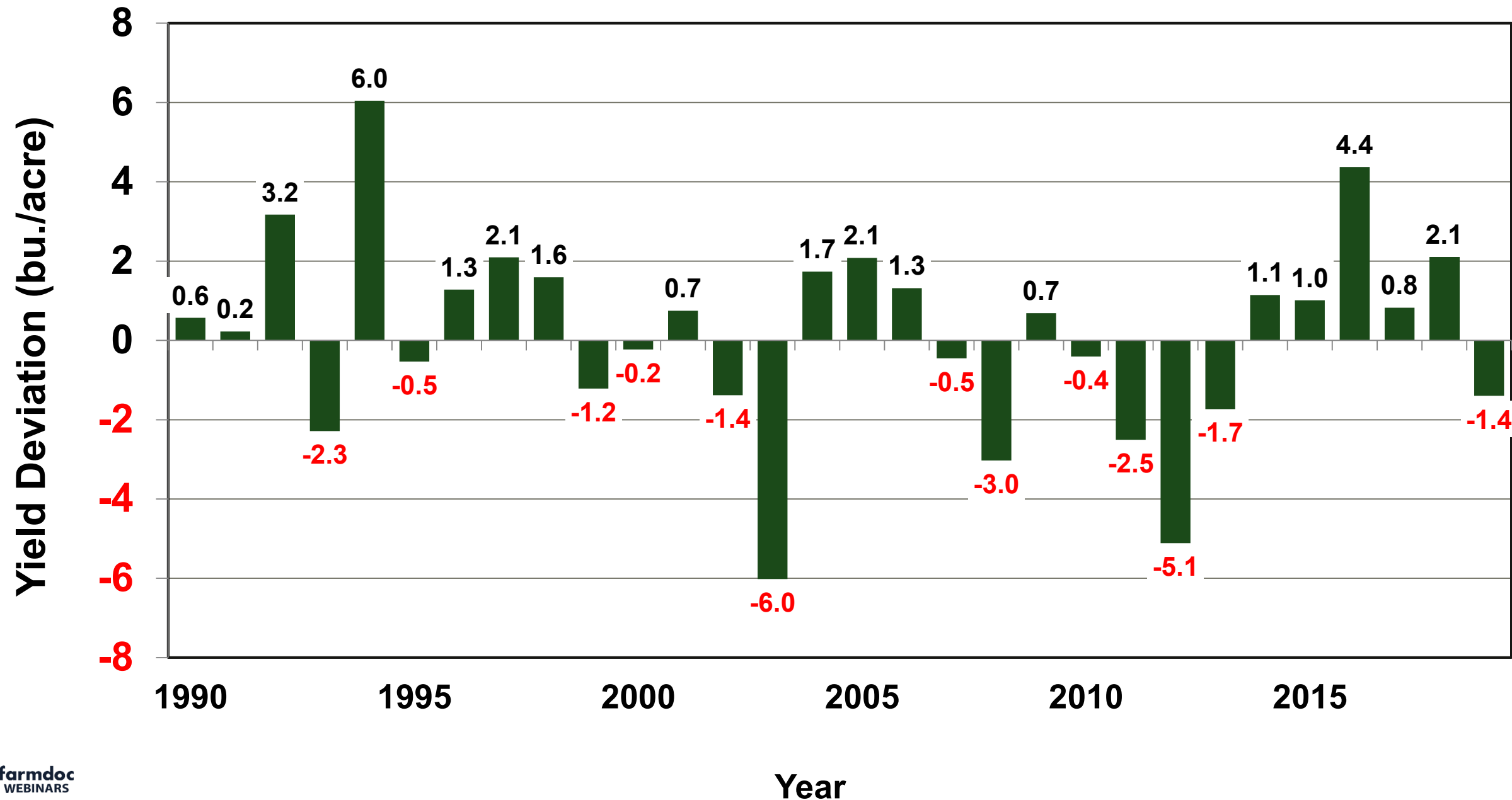


Figure 19: Soybean Yield by State
Bushels and Change from Previous Year

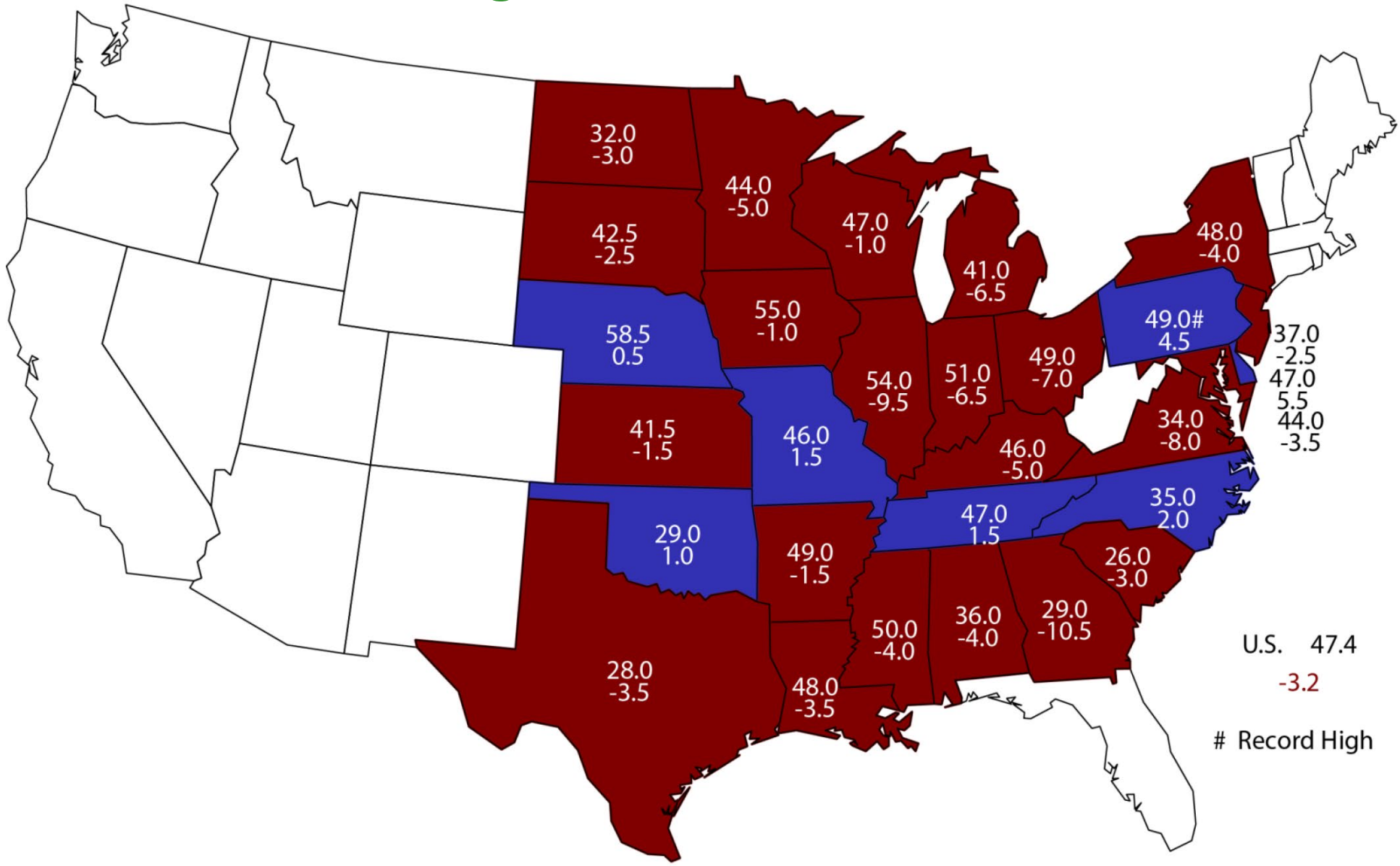


Figure 20: January U.S. Soybean Yield Estimate Minus November Forecast

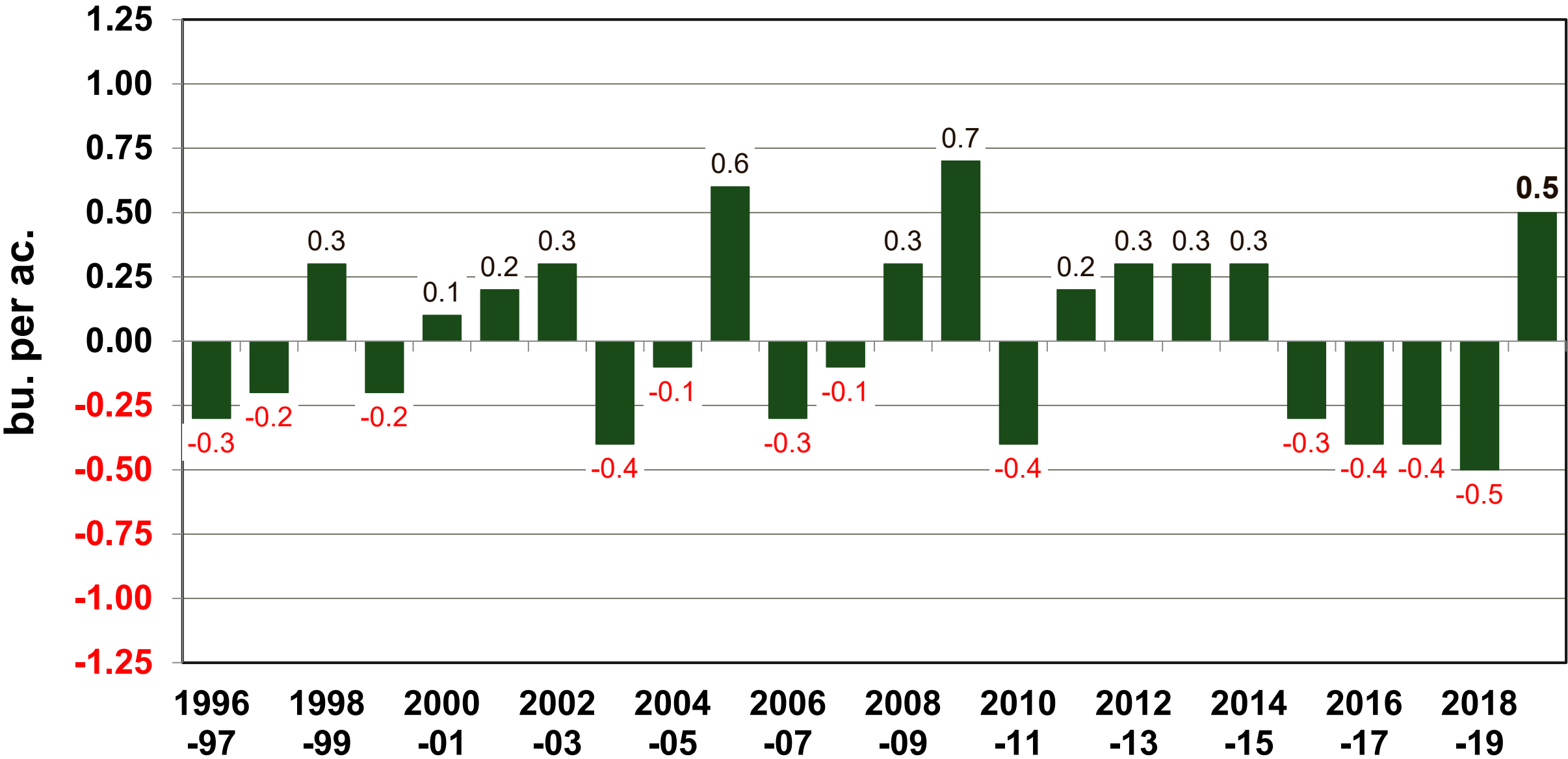


Figure 21. U.S. Soybean Production

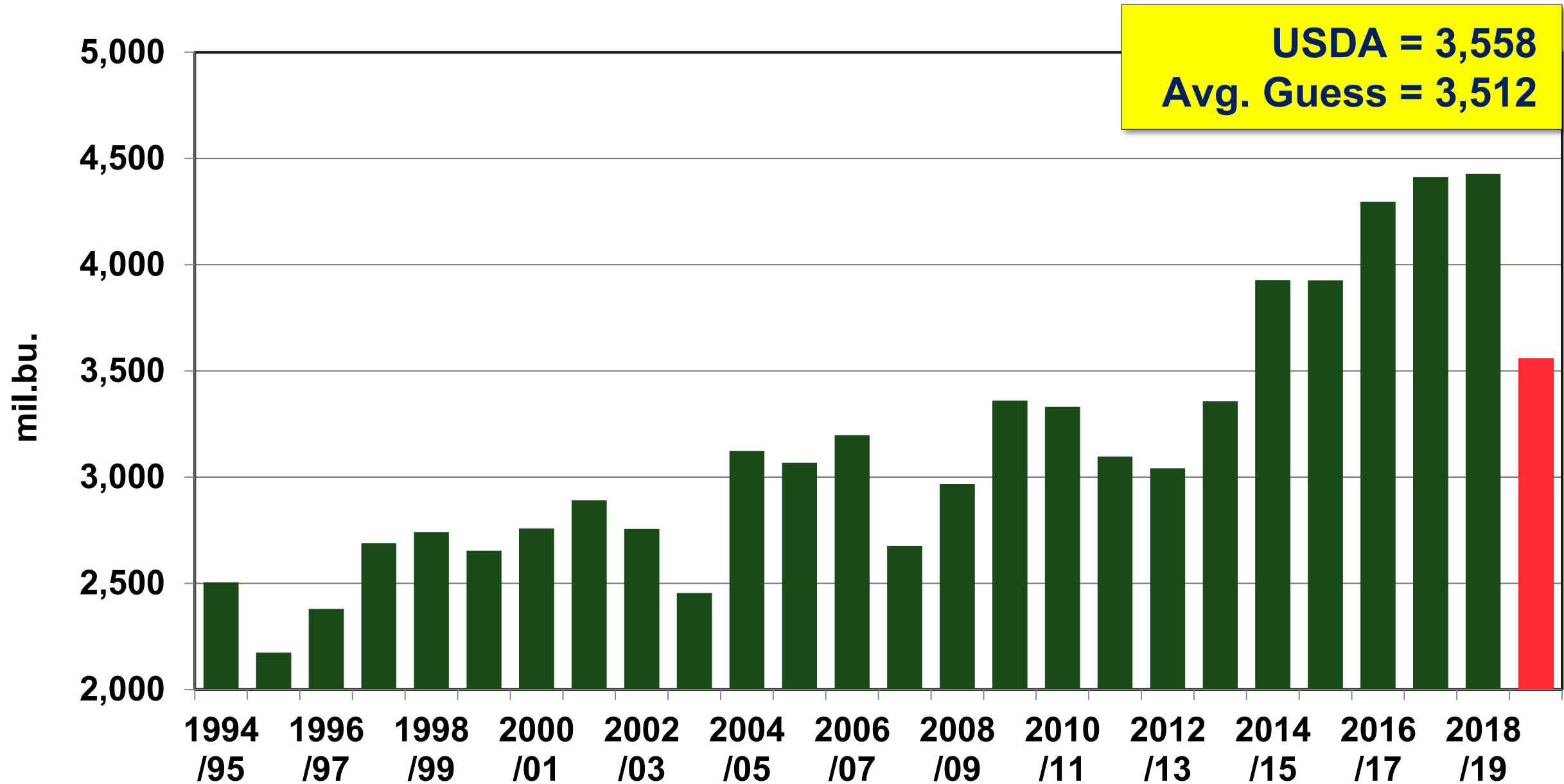


Figure 22. USDA January Soybean Production Minus November Forecast

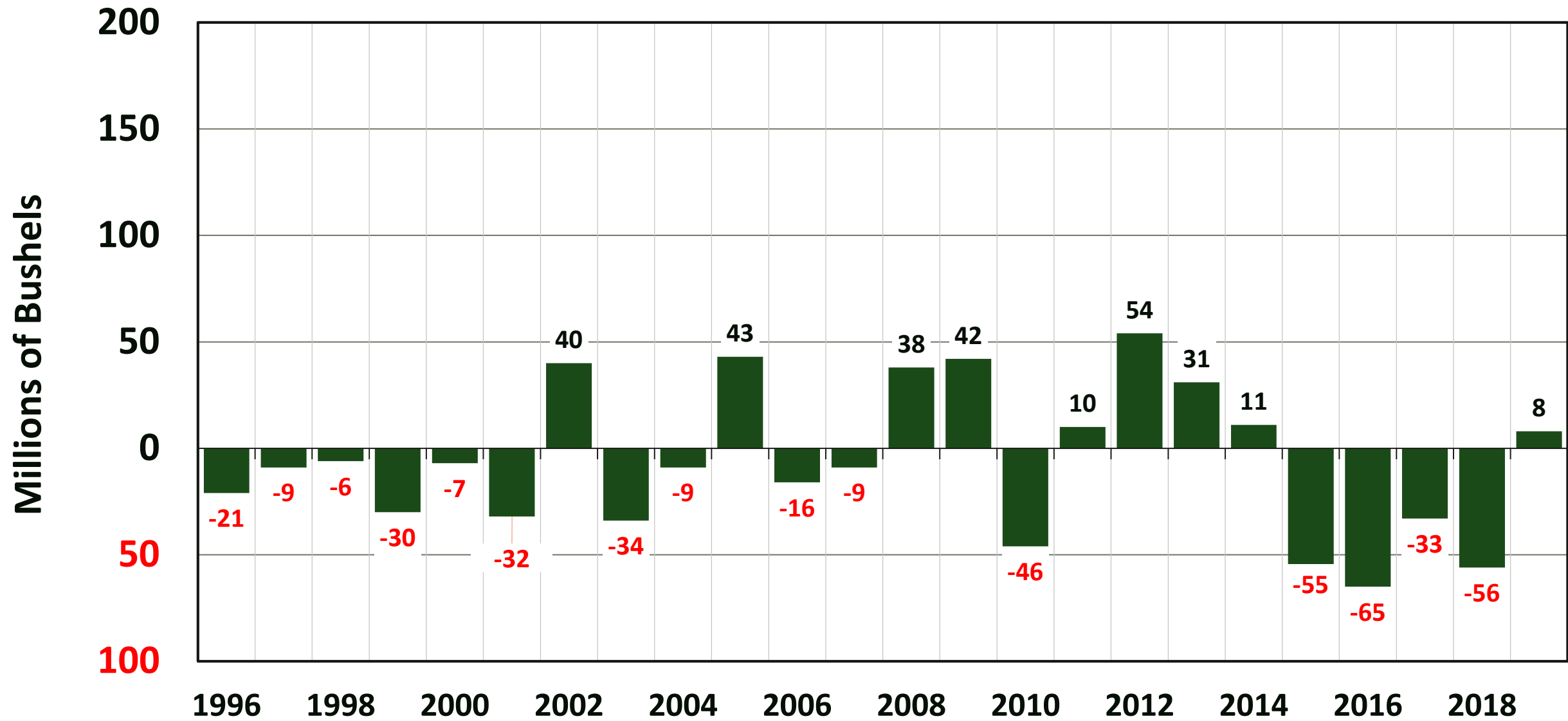


Figure 23: Soybean Balance Sheet

	2019-20 USDA Forecast	2019-20 Forecast	2020-21 Forecast
Supply:			
Planted Acreage (mil.)	76.1	76.1	85.4
Harvested Acreage (mil.)	75.0	75.0	84.6
Yield (bu./ac.)	47.4	47.4	50.3
Production (mil. bu.)	3,558	3,558	4,255
Beginning stocks (mil. bu.)	909	909	439
Imports (mil. bu.)	15	15	20
Total Supply (mil. bu.)	4,482	4,482	4,714
Consumption:			
Crush (mil. bu.)	2,105	2,105	2,115
Export (mil. bu.)	1,775	1,810	1,800
Seed (mil. bu.)	128	128	134
Total Consumption (mil. bu.)	4,008	4,043	4,049
Ending stocks (mil. bu.)	475	439	609
Stocks-to-use	11.8%	10.8%	15.0%
Average farm price (\$/bu.)	\$9.00	\$9.10	\$8.60

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