

Grains and Soybean Price Outlook and a bit of Livestock Outlook

Michigan Agricultural Credit Conference

Kellogg Center - MSU



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October 26, 2018

Monthly Corn Futures

ZC - Corn - Monthly Continuation OHLC Chart



Dec 18 Corn Futures





October 2018 Crop Production

Crop	Unit	October 2018	% Change From Previous Estimate	% Change From Previous Season
Planted Area				
Corn	Mil Ac	89.1	+<0.1	-1.1
Soybeans	Mil Ac	89.1	-0.5	-1.1
Sorghum	Mil Ac	5.79	-4.1	+3.0
Sunflowers	Mil Ac	1.30	-10.9	-7.2
Canola	Mil Ac	1.99	-3.1	-4.2
Dry Edible Beans	Mil Ac	2.08	+1.2	-0.7
Sugarbeets	Mil Ac	1.12	-0.2	-0.8



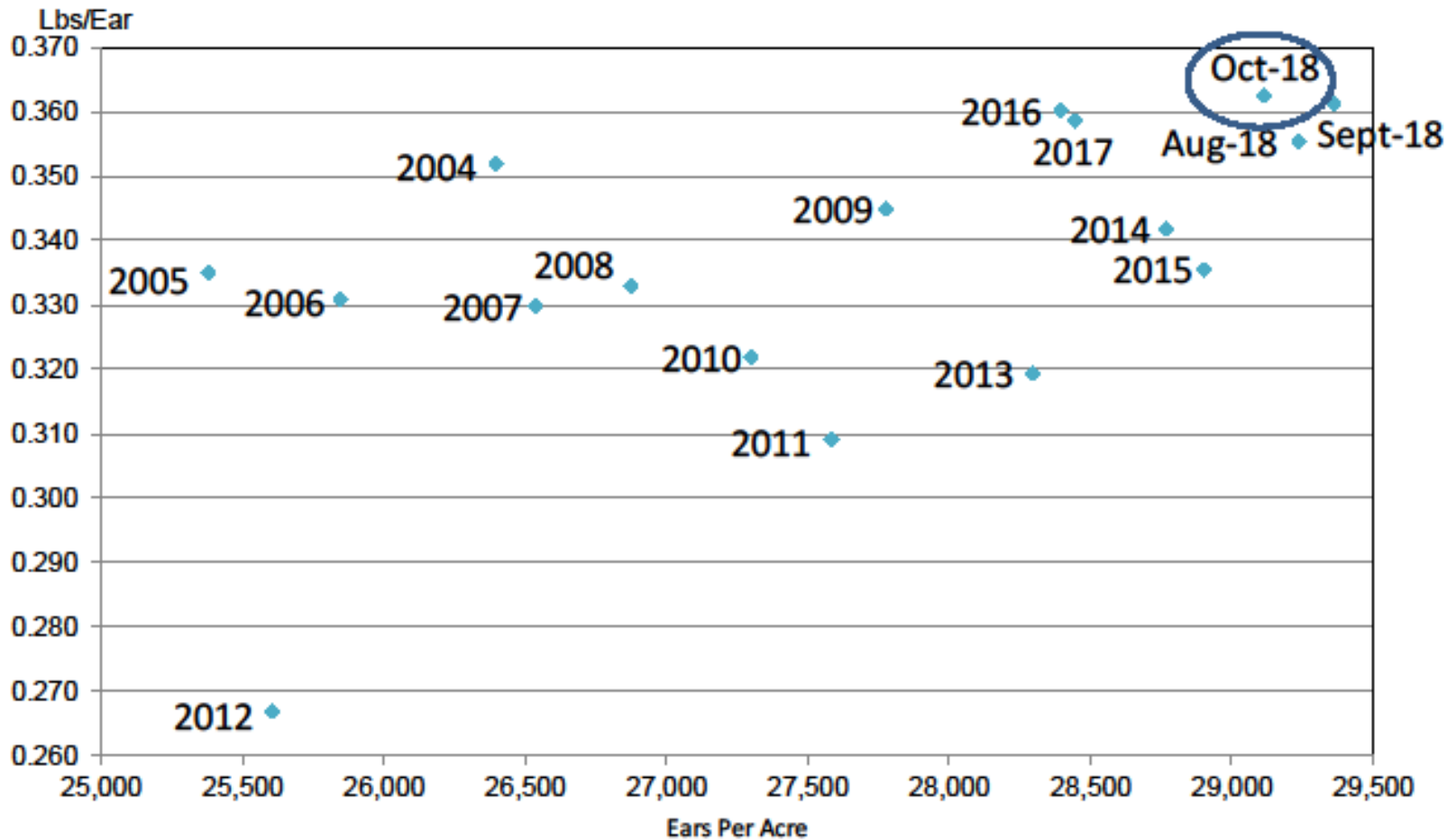
October 2018 Crop Production

Crop	Unit	October 2018	% Change From Previous Forecast	% Change From Previous Season
Com				
Harvested	Mil Ac	81.8	-<0.1	-1.1
Yield	Bu/Ac	180.7	-0.3	+2.3
Production	Bil Bu	14.8	-0.3	+1.2



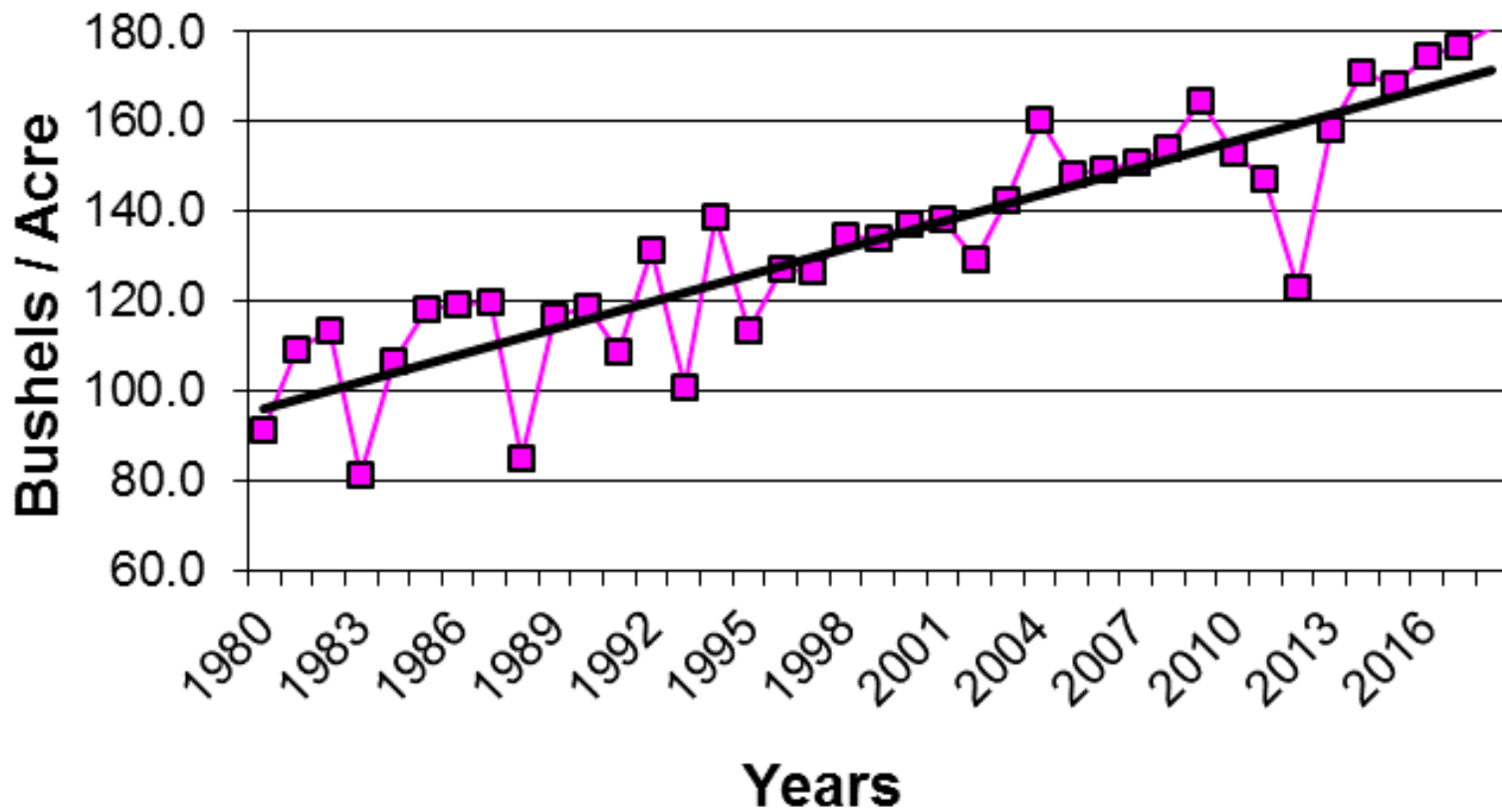
Corn Objective Yield Region

Ears Per Acre vs. Implied Ear Weight



Implied Ear Weight = (Published Yield * 56) / Ears

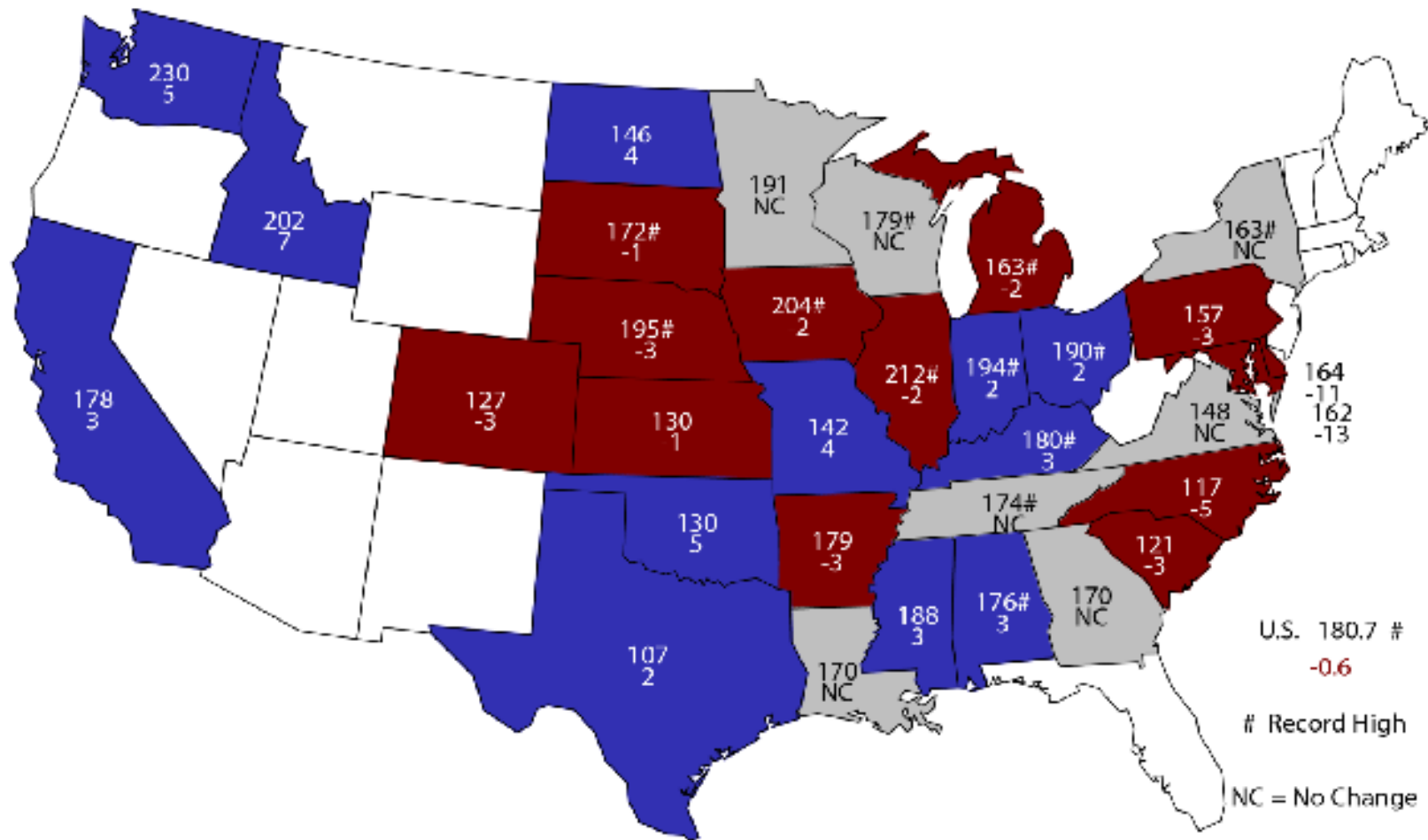
Corn Yields 1980-2018





October 1, 2018 Corn Yield

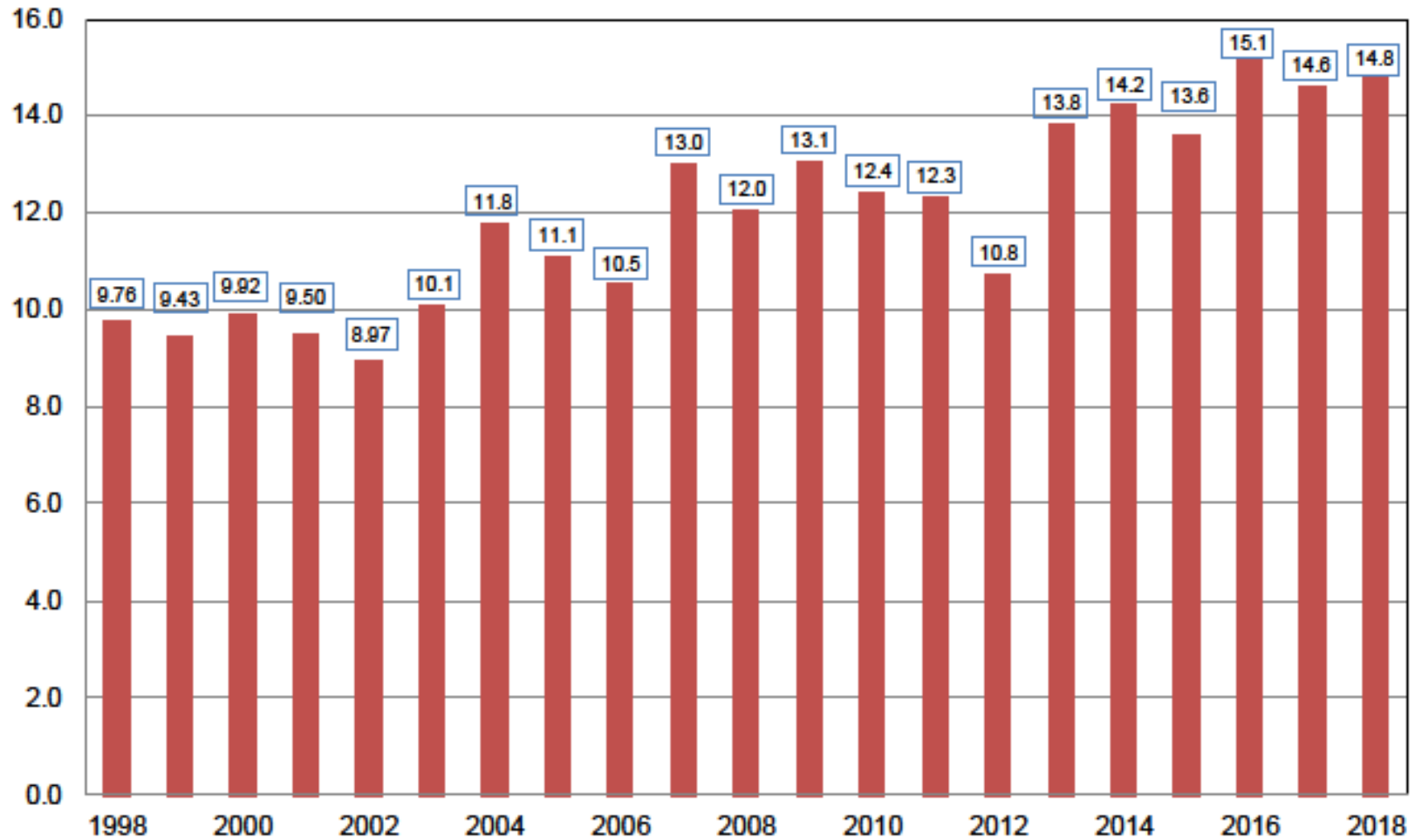
Bushels and Change From Previous Forecast





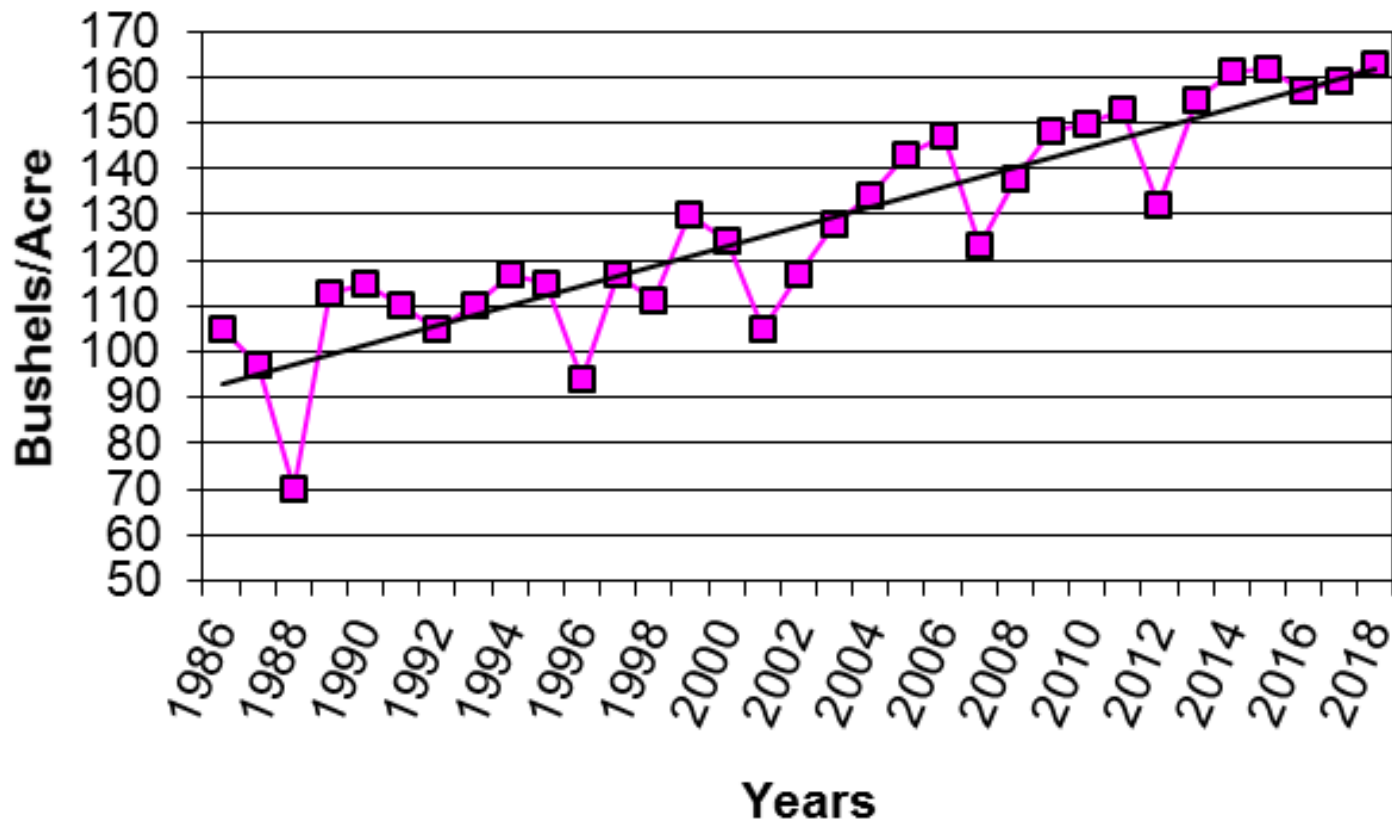
Corn for Grain Production United States

Billion Bushels



10/11/2018	Michigan Supply/Use Balance Sheet for Corn															
Very Rough																
														Est.	Proj.	Hilker
Corn Marketing Year	2004/05	2005/06	2006/07	2007/08	2008/09	2009/10	2010/11	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17	2017/18	2018/19	
Corn Grain Production			<u>Thousand Acres</u>													
Planted Acres	2200	2250	2200	2650	2400	2350	2400	2500	2700	2600	2550	2350	2400	2250	2300	
Harvested Acres	1920	2010	1950	2340	2140	2090	2100	2190	2380	2230	2210	2070	2040	1890	1900	
Yield bushels/acre	134.0	143.0	147.0	123.0	138.0	148.0	150.0	153.0	132.0	155.0	161.0	162.0	157.0	159.0	163.0	
			<u>Million Bushels</u>													
Beginning stocks	29.2	38.9	46.0	24.4	32.9	37.8	26.1	25.4	24.9	13.9	35.6	28.0	39.2	48.9	45.5	
Production	257.3	287.4	286.7	287.8	295.3	309.3	315.0	335.1	314.2	345.7	355.8	335.3	320.3	300.5	309.7	
Imports	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Total Supply	286.5	326.3	332.7	312.2	328.2	347.1	341.1	360.5	339.0	359.6	391.4	363.3	359.5	349.4	355.2	
Corn Use																
Livestock Feed	78.0	78.0	73.0	70.0	71.0	70.0	70.0	70.0	65.0	71.0	72.0	73.0	74.0	75.0	76.0	
Ethanol	16.0	19.5	67.9	99.0	89.0	101.0	105.0	110.0	115.0	118.0	120.0	122.0	124.0	145.0	150.0	
Canada for Ethanol	0.0	5.0	8.0	15.0	17.0	18.0	18.0	18.0	15.0	15.0	17.0	15.0	15.0	15.0	15.0	
Other Exports to Canda	10.0	10.0	5.0	8.0	10.0	10.0	10.0	10.0	10.0	8.0	10.0	10.0	8.0	8.0	8.0	
Exports, Michigan, to U.S.	138.6	162.8	149.6	82.4	98.4	117.0	107.7	122.6	115.1	106.7	139.4	99.1	84.6	56.0	55.2	
Other Uses and Residual	5.0	5.0	4.8	4.9	5.0	5.0	5.0	5.0	5.0	5.3	5.0	5.0	5.0	5.0	5.0	
Total Disapperance	247.6	280.3	308.3	279.3	290.4	321.0	315.7	335.6	325.1	324.0	363.4	324.1	310.6	304.0	309.2	
Ending Stocks	38.9	46.0	24.4	32.9	37.8	26.1	25.4	24.9	13.9	35.6	28.0	39.2	48.9	45.5	46.0	
Source: Jim Hilker and USDA																

Michigan Corn Yields 1986-2018



■ Corn Yields

— Linear (Corn Yields)

U.S. Corn Supply and Demand

Item	2017/2018		2018/2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2017/2018
Planted area (million acres)	90.2	–	89.1	**	-1.0
Harvested area (million acres)	82.7	–	81.8	**	-0.9
Yield (bushels per acre)	176.6	–	180.7	-0.6	4.1
<i>----- Million bushels -----</i>					
Beginning stocks	2,293	–	2,140	138	-153
Production	14,604	–	14,778	-49	174
Imports	36	-4	50	--	14
Total supply	16,934	-4	16,968	89	34
Feed and residual	5,302	-148	5,550	-25	248
Food, seed, and industrial	7,054	-6	7,130	--	76
Ethanol	5,601	1	5,650	--	49
Domestic use	12,355	-155	12,680	-25	325
Exports	2,438	13	2,475	75	37
Total use	14,793	-142	15,155	50	362
Ending stocks	2,140	138	1,813	39	-327
<i>----- Percent -----</i>					
Stocks to use ratio	14.5	1.1	12.0	0.2	-2.5
<i>----- Dollars per bushel -----</i>					
Average market price	3.36	-0.04	3.00/4.00	--	0.14

-- No change. ** Rounds to zero.

TABLE 1

SUPPLY/DEMAND BALANCE SHEET FOR CORN

	2002-	2003-	2004-	2005-	2006-	2007-	2008-	2009-	2010-	2011-	2012-	2013-	2014-	2015-	2016-	2017-	2018-	2019-	
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Est.	Proj.
(million acres)																			
Acres Planted	78.9	78.6	80.9	81.8	78.3	93.5	86.0	86.4	88.2	91.9	97.3	95.4	90.6	88.0	94.0	90.2	89.1		
Acres Harvested	69.3	70.9	73.6	75.1	70.6	86.5	78.6	79.5	81.4	84.0	87.4	87.5	83.1	80.8	86.7	82.7	81.8		
Yield/Bushels	129.3	142.2	160.4	148	149.1	150.7	153.9	164.7	152.8	147.2	123.1	158.1	171.0	168.4	174.6	176.6	180.7		
(million bushels)																			
Beginning Stocks	1596	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140		
Production	8967	10089	11807	11114	10531	13038	12092	13092	12447	12360	10755	13829	14216	13602	15148	14604	14778		
Imports	14	14	11	9	12	20	14	8	28	29	160	36	32	68	57	36	50		
Total Supply	10578	11190	12776	13237	12510	14362	13729	14774	14182	13517	11904	14686	15479	15401	16942	16934	16968		
Use:																			
Feed & Residual	5563	5798	6158	6155	5591	5913	5182	5125	4795	4557	4315	5040	5280	5114	5470	5302	5550		
Food, Seed & Ind	2340	2537	2686	2981	3490	4387	5025	5961	6426	6428	6038	6493	6601	6648	6885	7054	7130		
Ethanol for fuel	996	1168	1323	1603	2119	3049	3709	4591	5019	5000	4641	5124	5200	5224	5432	5601	5650		
Total Domestic	7903	8335	8844	9136	9081	10300	10207	11086	11221	10985	10353	11534	11881	11763	12355	12356	12680		
Exports	1588	1897	1818	2134	2125	2437	1849	1980	1834	1543	730	1920	1867	1901	2293	2438	2475		
Total Use	9491	10232	10662	11270	11206	12737	12056	13066	13055	12528	11083	13454	13748	13664	14649	14793	15155		
Ending Stocks	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140	1813		
Ending Stocks, %of Use	11.5	9.4	19.8	17.5	11.6	12.8	13.9	13.1	8.6	7.9	7.4	9.2	12.6	12.7	15.7	14.5	12.0		
U.S. Loan Rate	\$1.98	\$1.98	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95		
U.S. Season Ave Farm Price, \$/Bu.	\$2.32	\$2.42	\$2.06	\$2.00	\$3.04	\$4.20	\$4.06	\$3.55	\$5.18	\$6.22	\$6.89	\$4.46	\$3.70	\$3.61	\$3.36	\$3.36	\$3.50		

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

U.S. Meat Production and Prices

Item	2018		2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2018
Production	----- <i>Billion Pounds</i> -----				
Beef	26.94	-0.15	27.91	0.19	0.97
Pork	26.42	-0.25	27.81	-0.06	1.39
Broilers	42.57	-0.05	43.37	-0.05	0.80
Turkey	5.90	-0.03	5.99	--	0.09
Total Meat	102.61	-0.48	105.85	0.08	3.24
Prices	----- <i>Dollars per cwt</i> -----				
Steers	116.29	0.58	117.75	--	1.46
Hogs	45.23	2.10	41.25	1.00	-3.98
	----- <i>Cents per pound</i> -----				
Broilers	97.1	**	95.8	--	-1.4
Turkey	81.1	**	84.5	--	3.4

-- No change. ** Rounds to zero.

U.S. Meat Trade

Million Pounds

Item	2018		2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2018
<i>----- Exports -----</i>					
Beef	3,164	--	3,245	--	81
Pork	5,989	--	6,200	85	211
Broilers	6,869	--	7,045	--	176
Turkey	595	-35	585	-55	-10
Mature chickens	92	**	116	--	24
Total Meat	16,716	-35	17,199	30	483
<i>----- Imports -----</i>					
Beef	3,027	-10	3,100	-40	73

-- No change. ** Rounds to zero.

U.S. Milk Supply and Demand

Item	2018		2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2018
----- <i>Billion pounds</i> -----					
Production	218.1	0.3	221.4	0.4	3.3
Fat Basis					
Imports	6.3	0.1	6.3	0.3	0.0
Commercial use	212.9	0.3	217.5	0.7	4.6
Exports	10.5	0.1	9.8	--	-0.6
Skim-solid Basis					
Imports	5.6	-0.1	5.5	-0.1	-0.1
Commercial use	178.6	-0.1	181.6	0.1	3.1
Exports	45.1	0.4	44.1	--	-1.1

-- No change.

**QUARTERLY COMMERCIAL CATTLE SLAUGHTER, BEEF PRODUCTION,
PER CAPITA BEEF DISAPPEARANCE AND CATTLE PRICES ^a**

10/25/18

1.111

Year Quarter	Comm'l Slaughter (1,000 Head)	% Chg. from Year Ago	Average Dressed Weight (Lbs.)	% Chg. from Year Ago	Comm'l Beef Production (Mil. Lbs.)	% Chg. from Year Ago	Per Capita Consumption (Retail Wt.)	% Chg. from Year Ago	Live 8lb. Steer Price 5-Mkt Avg (\$/Cwt.)	% Chg. from Year Ago	Feeder Steer Price Southern Plains ^d	
											7-800#	6-800#
2014												
I	7374	-5.2	796	0.3	5868	-5.0	13.1	-4.0	146.34	16.6	171.77	209.30
II	7837	-5.9	789	0.9	6184	-5.1	14.0	-3.7	147.82	18.3	193.16	227.67
III	7632	-8.3	810	1.9	6179	-6.5	13.7	-4.1	158.49	29.6	225.93	263.14
IV	7326	-8.8	822	2.8	6021	-6.3	13.4	-3.3	165.59	26.6	239.81	285.63
Year	30170	-7.1	804	1.5	24252	-5.7	54.2	-3.8	154.56	22.8	207.67	246.44
2015												
I	6969	-5.5	813	2.2	5665	-3.5	13.1	-0.2	162.43	11.0	215.87	276.14
II	7229	-7.8	810	2.7	5856	-5.3	13.6	-2.3	158.11	7.0	225.29	279.32
III	7291	-4.5	832	2.8	6068	-1.8	13.9	1.6	144.22	-9.0	214.38	246.04
IV	7263	-0.9	841	2.3	6109	1.5	13.3	-0.7	127.72	-22.9	177.29	203.51
Year	28752	-4.7	824	2.5	23698	-2.3	53.9	-0.4	148.12	-4.2	208.21	251.25
2016												
I	7184	3.1	826	1.7	5938	4.8	13.6	3.7	134.81	-17.0	160.06	195.73
II	7631	5.6	811	0.1	6187	5.7	13.9	2.1	127.68	-19.2	149.22	173.86
III	7845	7.6	825	-0.9	6472	6.6	14.0	0.9	113.22	-21.5	144.10	157.12
IV	7919	9.0	837	-0.5	6625	8.4	14.0	5.0	107.69	-15.7	129.07	138.44
Year	30578	6.4	825	0.1	25221	6.4	55.5	2.9	120.85	-18.4	145.61	166.29
2017												
I	7714	7.4	817	-1.1	6303	6.2	14.0	3.3	122.96	-8.8	132.88	157.38
II	8076	5.8	793	-2.2	6407	3.5	14.2	2.1	132.76	4.0	149.30	170.49
III	8254	5.2	816	-1.1	6736	4.1	14.4	2.5	112.47	-0.7	153.36	165.47
IV	8145	2.9	828	-1.1	6742	1.8	14.3	2.1	117.88	9.5	157.13	170.66
Year	32189	5.3	814	-1.4	26187	3.8	56.9	2.5	121.52	0.6	148.17	166.00
2018												
I	7877	2.1	821	0.5	6465	2.6	13.9	-0.7	125.60	2.1	148.73	180.01
II	8424	4.3	798	0.6	6724	4.9	14.4	1.6	116.72	-12.1	144.52	170.11
III ^b	8363	1.3	816	-0.1	6820	1.3	14.4	-0.1	110.83	-1.7	155.99	169.78
IV ^c	8394	3.1	828	0.0	6949	3.1	14.3	0.2	115-117	-1.6	155-158	167-170
Year	33058	2.7	815	0.2	26958	2.9	57.0	0.2	117-118	-3.3	151-152	171-173
2019												
I	7908	0.4	825	0.6	6527	1.0	14.1	1.0	119-122	-4.1	150-154	169-174
II	8508	1.0	807	1.2	6870	2.2	14.6	0.9	116-120	1.1	149-154	173-179
III	8538	2.1	825	1.1	7043	3.3	14.4	0.2	108-113	-0.3	147-153	170-173
IV	8448	0.6	832	0.6	7032	1.2	14.5	1.3	113-119	0.0	147-156	165-173
Year	33402	1.0	822	0.9	27471	1.9	57.6	0.9	114-118	-1.3	149-153	169-175
2020												
I	8074	2.1	829	0.5	6696	2.6	14.1	0.5	118-125	0.8	146-156	172-181
II	8519	0.1	812	0.6	6917	0.7	14.5	-0.2	116-124	1.7	148-159	175-185
III	8478	-0.7	830	0.6	7033	-0.1	14.4	0.0	110-119	3.6	148-160	173-185
IV	8417	-0.4	837	0.5	7042	0.1	14.4	-0.4	114-124	2.6	148-161	169-181
Year	33488	0.3	827	0.5	27688	0.8	57.4	-0.3	117-121	2.6	150-156	173-182

^a Totals may not add due to rounding.

^b Projected/Estimated quarter

^c Forecasted quarters

^d Average of Kansas and Oklahoma Weekly Combined reports

Sources: Livestock Slaughter - USDANASS; Steer Prices - USDAAMS Livestock Market News; Projections and Forecasts by LMC

**QUARTERLY COMMERCIAL HOG SLAUGHTER, PORK PRODUCTION,
PER CAPITA PORK DISAPPEARANCE AND NATIONAL BASE HOG PRICE**

10/25/18

7.100

Year Quarter	Comm'l Slaughter (1,000 Head)	% Chg. from Year Ago	Average Caroass Weight (Lbs.)	% Chg. from Year Ago	Comm'l Pork Production (Mil. Lbs.)	% Chg. from Year Ago	Per Capita Consumption (Retail Wt.)	% Chg. from Year Ago	Caroass Price National Wid Avg Base (\$/Cwt.)	% Chg. from Year Ago
2014										
I	27131	-2.6	213	2.7	5784	0.2	11.2	-2.2	91.44	12.8
II	25575	-4.4	215	4.4	5504	-0.2	10.8	-4.0	111.84	25.2
III	25558	-7.6	212	4.3	5424	-3.5	11.0	-3.6	110.03	15.5
IV	28612	-4.0	215	1.7	6131	-2.3	12.8	0.9	90.13	8.6
Year	106876	-4.6	214	3.3	22843	-1.5	45.8	-2.1	100.86	15.7
2015										
I	28724	5.9	215	0.8	6162	6.5	12.2	9.0	68.55	-25.0
II	27850	8.9	213	-1.1	5925	7.6	11.8	9.4	73.52	-34.3
III	28477	11.4	210	-1.3	5958	9.8	12.1	10.4	74.60	-32.2
IV	30375	6.2	213	-0.9	6457	5.3	13.5	5.7	61.91	-31.3
Year	115425	8.0	213	-0.6	24501	7.3	49.7	8.5	69.65	-30.9
2016										
I	29262	1.9	213	-0.9	6230	1.1	12.6	3.0	62.15	-9.3
II	28116	1.0	213	-0.2	5963	0.6	11.8	0.2	73.38	-0.2
III	29323	3.0	208	-0.6	6100	2.4	12.1	-0.0	68.31	-8.4
IV	31539	3.8	211	-0.6	6648	3.0	13.5	-0.2	53.15	-14.2
Year	118240	2.4	211	-0.6	24941	1.8	50.1	0.7	64.24	-7.8
2017										
I	30178	3.1	213	-0.2	6410	2.9	12.4	-1.8	67.79	9.1
II	29165	3.7	211	-0.9	6137	2.9	11.8	-0.3	71.13	-3.1
III	29967	2.2	209	0.2	6240	2.3	12.4	2.3	75.72	10.9
IV	32007	1.5	213	0.6	6796	2.2	13.5	-0.2	63.06	18.6
Year	121317	2.6	211	-0.1	25584	2.6	50.1	-0.0	69.42	8.1
2018										
I	31075	3.0	214	0.6	6645	3.7	12.5	1.4	67.81	0.0
II	29816	2.2	212	0.8	6325	3.1	12.2	2.9	67.85	-4.6
III a	30402	1.4	208	-0.5	6315	1.2	12.4	0.2	62.90	-16.9
IV b	33397	4.3	213	0.1	7108	4.6	13.6	1.0	58-60	-6.4
Year	124690	2.8	212	0.3	26393	3.2	50.8	1.4	64-65	-7.2
2019										
I	31437	1.2	215	0.3	6747	1.5	12.7	1.0	61-63	-8.6
II	30564	2.5	214	0.6	6530	3.2	12.1	-0.3	66-69	-0.5
III	31476	3.5	210	0.9	6599	4.5	12.5	0.4	63-67	3.3
IV	33948	1.6	214	0.3	7248	2.0	14.0	3.1	54-59	-4.2
Year	127425	2.2	213	0.5	27124	2.8	51.3	1.1	61-65	-2.3
2020										
I	31788	1.1	215	0.2	6839	1.4	12.9	1.7	58-64	-1.6
II	30524	-0.1	214	0.3	6540	0.2	12.3	1.6	66-73	3.0
III	31433	-0.1	210	0.3	6611	0.2	12.7	1.3	65-73	6.2
IV	33907	-0.1	214	0.4	7270	0.3	13.9	-1.2	54-63	3.5
Year	127652	0.2	214	0.3	27260	0.5	51.7	0.8	62-68	3.2

a/ Estimated quarter

Note: Totals may not add due to rounding.

b/ Forecasted quarters

Sources: Livestock Slaughter - USDA Publications; USDA Livestock Market News; Forecasts - LMIC Projections

TABLE 1

SUPPLY/DEMAND BALANCE SHEET FOR CORN

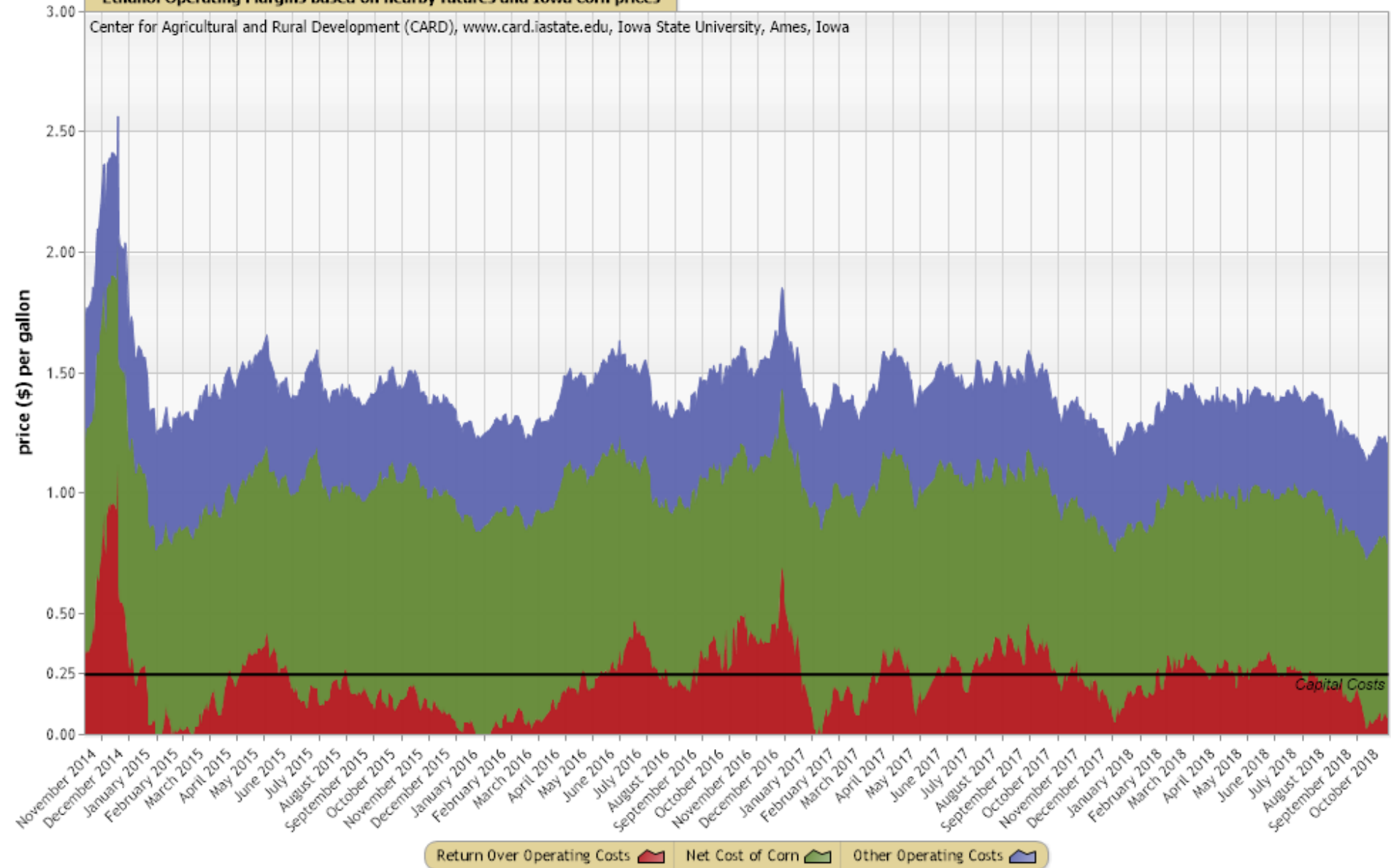
	2002- 2003	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	2017- 2018	2018- 2019
(million acres)																	
Acres Planted	78.9	78.6	80.9	81.8	78.3	93.5	86.0	86.4	88.2	91.9	97.3	95.4	90.6	88.0	94.0	90.2	89.1
Acres Harvested	69.3	70.9	73.6	75.1	70.6	86.5	78.6	79.5	81.4	84.0	87.4	87.5	83.1	80.8	86.7	82.7	81.8
Yield/Bushels	129.3	142.2	160.4	148	149.1	150.7	153.9	164.7	152.8	147.2	123.1	158.1	171.0	168.4	174.6	176.6	180.7
(million bushels)																	
Beginning Stocks	1596	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140
Production	8967	10089	11807	11114	10531	13038	12092	13092	12447	12360	10755	13829	14216	13602	15148	14604	14778
Imports	14	14	11	9	12	20	14	8	28	29	160	36	32	68	57	36	50
Total Supply	10578	11190	12776	13237	12510	14362	13729	14774	14182	13517	11904	14686	15479	15401	16942	16934	16968
Use:																	
Feed & Residual	5563	5798	6158	6155	5591	5913	5182	5125	4795	4557	4315	5040	5280	5114	5470	5302	5550
Food, Seed & Ind	2340	2537	2686	2981	3490	4387	5025	5961	6426	6428	6038	6493	6601	6648	6885	7054	7130
Ethanol for fuel	996	1168	1323	1603	2119	3049	3709	4591	5019	5000	4641	5124	5200	5224	5432	5601	5650
Total Domestic	7903	8335	8844	9136	9081	10300	10207	11086	11221	10985	10353	11534	11881	11763	12355	12356	12680
Exports	1588	1897	1818	2134	2125	2437	1849	1980	1834	1543	730	1920	1867	1901	2293	2438	2475
Total Use	9491	10232	10662	11270	11206	12737	12056	13066	13055	12528	11083	13454	13748	13664	14649	14793	15155
Ending Stocks	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140	1813
Ending Stocks, %of Use	11.5	9.4	19.8	17.5	11.6	12.8	13.9	13.1	8.6	7.9	7.4	9.2	12.6	12.7	15.7	14.5	12.0
U.S. Loan Rate	\$1.98	\$1.98	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95
U.S. Season Ave Farm Price, \$/Bu.	\$2.32	\$2.42	\$2.06	\$2.00	\$3.04	\$4.20	\$4.06	\$3.55	\$5.18	\$6.22	\$6.89	\$4.46	\$3.70	\$3.61	\$3.36	\$3.36	\$3.50

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

Historical Ethanol Operating Margins

Ethanol Operating Margins based on nearby futures and Iowa corn prices

Center for Agricultural and Rural Development (CARD), www.card.iastate.edu, Iowa State University, Ames, Iowa



Return Over Operating Costs (red) Net Cost of Corn (green) Other Operating Costs (blue)

Capital Costs

TABLE 1

SUPPLY/DEMAND BALANCE SHEET FOR CORN

	2002- 2003	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	2017- 2018	2018- 2019
(million acres)																	
Acres Planted	78.9	78.6	80.9	81.8	78.3	93.5	86.0	86.4	88.2	91.9	97.3	95.4	90.6	88.0	94.0	90.2	89.1
Acres Harvested	69.3	70.9	73.6	75.1	70.6	86.5	78.6	79.5	81.4	84.0	87.4	87.5	83.1	80.8	86.7	82.7	81.8
Yield/Bushels	129.3	142.2	160.4	148	149.1	150.7	153.9	164.7	152.8	147.2	123.1	158.1	171.0	168.4	174.6	176.6	180.7
(million bushels)																	
Beginning Stocks	1596	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140
Production	8967	10089	11807	11114	10531	13038	12092	13092	12447	12360	10755	13829	14216	13602	15148	14604	14778
Imports	14	14	11	9	12	20	14	8	28	29	160	36	32	68	57	36	50
Total Supply	10578	11190	12776	13237	12510	14362	13729	14774	14182	13517	11904	14686	15479	15401	16942	16934	16968
Use:																	
Feed & Residual	5563	5798	6158	6155	5591	5913	5182	5125	4795	4557	4315	5040	5280	5114	5470	5302	5550
Food, Seed & Ind	2340	2537	2686	2981	3490	4387	5025	5961	6426	6428	6038	6493	6601	6648	6885	7054	7130
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Total Domestic	7903	8335	8844	9136	9081	10300	10207	11086	11221	10985	10353	11534	11881	11763	12355	12356	12680
Exports	1588	1897	1818	2134	2125	2437	1849	1980	1834	1543	730	1920	1867	1901	2293	2438	2475
Total Use	9491	10232	10662	11270	11206	12737	12056	13066	13055	12528	11083	13454	13748	13664	14649	14793	15155
Ending Stocks	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140	1813
Ending Stocks, %of Use	11.5	9.4	19.8	17.5	11.6	12.8	13.9	13.1	8.6	7.9	7.4	9.2	12.6	12.7	15.7	14.5	12.0
U.S. Loan Rate	\$1.98	\$1.98	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95
U.S. Season Ave Farm Price, \$/Bu.	\$2.32	\$2.42	\$2.06	\$2.00	\$3.04	\$4.20	\$4.06	\$3.55	\$5.18	\$6.22	\$6.89	\$4.46	\$3.70	\$3.61	\$3.36	\$3.36	\$3.50

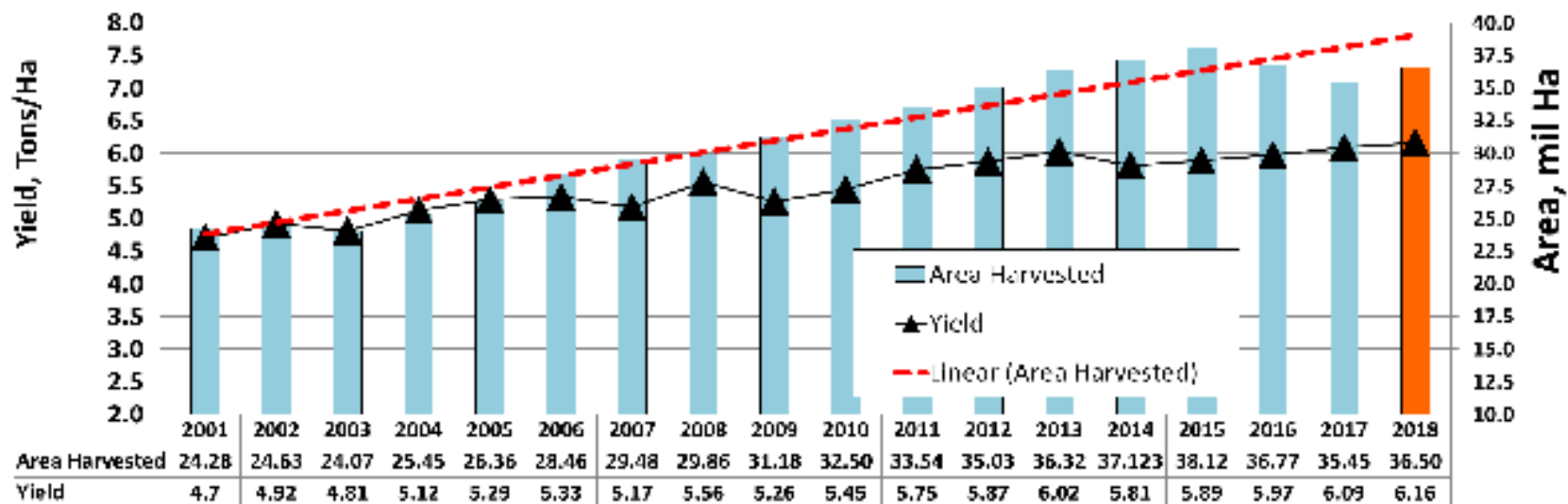
Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

World Corn Production

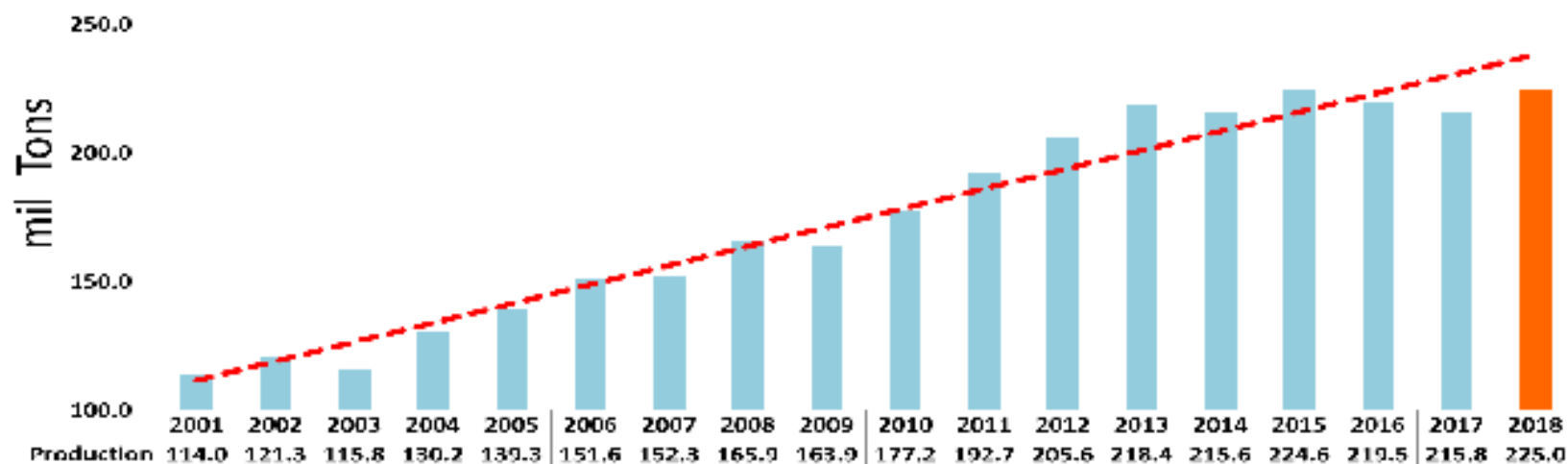
Country or Region	2017/2018 estimate	2018/2019 forecast	Change from September 10	Change from 2017/2018
----- Million Tons -----				
World	1,034.2	1,068.3	-0.7	34.1
United States	371.0	375.4	-1.2	4.4
Foreign	663.3	692.9	0.5	29.7
Argentina	32.0	41.0	--	9.0
Brazil	82.0	94.5	--	12.5
Mexico	27.5	26.0	--	-1.5
Canada	14.1	14.5	0.2	0.4
European Union	62.3	61.0	0.2	-1.3
Serbia	4.0	7.0	0.2	3.0
FSU-12	42.1	46.8	-1.0	4.7
Ukraine	24.1	31.0	--	6.9
Russia	13.2	11.0	-1.0	-2.2
South Africa	13.5	13.0	--	-0.5
China	215.9	225.0	--	9.1
India	28.7	26.0	--	-2.7

-- No change.

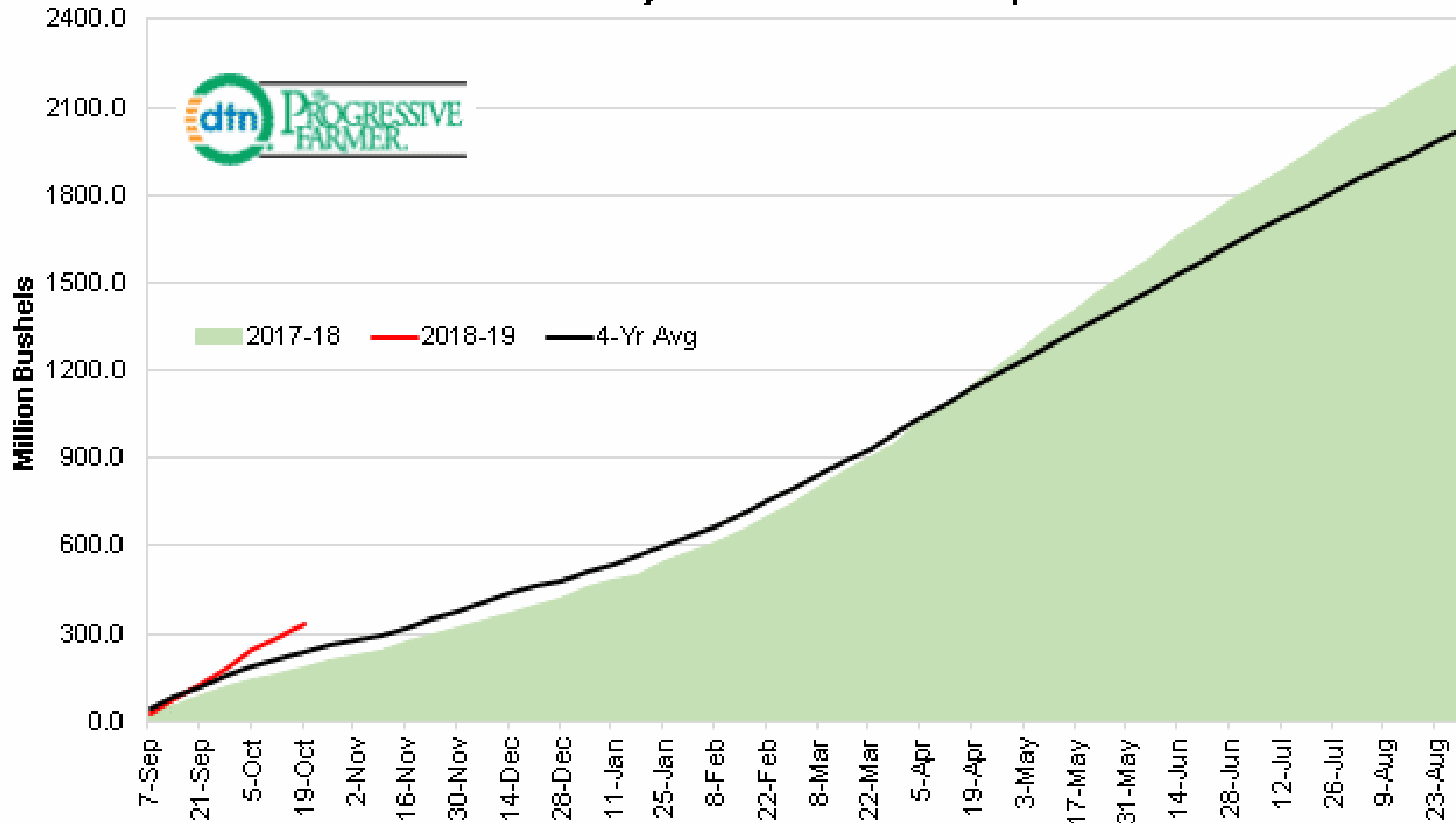
China Corn Area-Yield PSD Time Series



China Corn Production PSD Time Series



USDA Weekly Accumulated Corn Exports



Total export shipments of corn for 2018-19 (red line) as of Thursday, October 18 were 334.3 mb, 83% above last year's 182.7 mb (green fill). Based on the four-year average, corn shipments are typically 12% complete at this time of year, projecting the current total to 2.786 bb -- a number that will moderate by the time the season is done. Recent sales have been light, but export shipments of corn are off to a bullish start in 2018-19.

- Todd Hultman, DTN Market Analyst

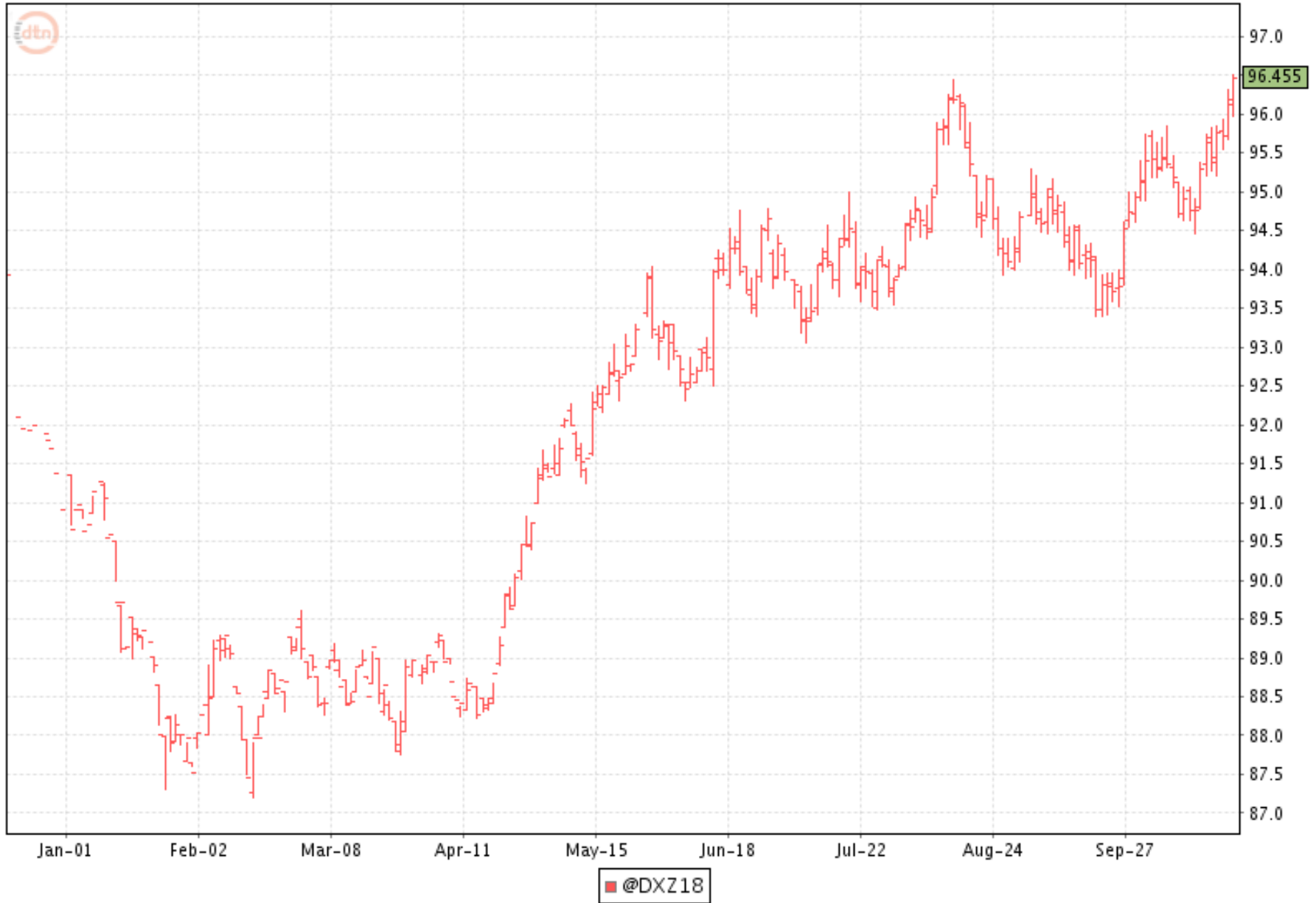
**GRAINS INSPECTED AND/OR WEIGHED FOR EXPORT
 REPORTED IN WEEK ENDING OCT 18, 2018
 -- METRIC TONS --**

GRAIN	----- WEEK ENDING 10/18/2018	----- WEEK ENDING 10/11/2018	----- WEEK ENDING 10/19/2017	CURRENT MARKET YEAR TO DATE	PREVIOUS MARKET YEAR TO DATE
BARLEY	0	294	734	4,037	15,248
CORN	949,168	1,011,355	636,029	7,823,167	4,548,339
FLAXSEED	0	24	0	194	3,769
MIXED	0	0	0	0	24
OATS	0	0	699	1,294	3,893
RYE	0	0	0	0	0
SORGHUM	9,407	50,857	74,288	131,748	444,601
SOYBEANS	1,148,566	1,209,870	2,593,380	5,936,483	9,843,872
SUNFLOWER	0	0	0	0	0
WHEAT	385,047	458,470	172,615	8,208,838	10,823,128

U.S. EXPORT SALES FOR WEEK ENDING 10/18/2018

	Weekly		Total	Prev Year	New Crop	
	Sales	Unshipped			Weekly Sales	Unshipped
--GRAINS--	(in million bushels)					
Corn	13.8	509.7	844.0	638.4	1.1	3.9
Sorghum	2.2	5.6	8.4	58.6	0.0	0.0
Soybeans	7.8	546.8	773.6	1,044.1	0.0	3.4
All Wheat	16.3	171.4	461.4	557.1	0.2	0.2
Durum	0.9	3.6	12.4	9.3	0.0	0.0
Hard Red Spring	6.8	58.9	146.3	158.6	0.0	0.0
Hard Red Winter	6.0	48.6	131.3	205.4	0.0	0.0
Soft Red Winter	0.9	22.4	56.8	54.4	0.2	0.2
White	1.6	37.9	114.6	129.4	0.0	0.0
--OTHER--	(in thousand metric tons)					
Soyoil	26.3	169.3	202.5	140.9	0.0	0.2
Soymeal	203.0	3,783.0	4,255.1	3,750.8	0.1	91.1

Dec - ELECTRONIC US DOLLAR INDEX



U.S. Dollar Index – Monthly

DX - U.S. Dollar Index - Monthly Continuation OHLC Chart



World Corn Supply and Use

Item	2017/2018 estimate	2018/2019 forecast	Change from September 10	Change from 2017/2018
----- Million Tons -----				
Beginning stocks	227.8	198.2	4.1	-29.6
Production	1,034.2	1,068.3	-0.7	34.1
Total Supply	1,262.0	1,266.5	3.4	4.5
Feed use	649.4	676.9	**	27.6
Total use	1,063.8	1,107.2	1.0	43.4
Trade	147.1	163.0	1.3	15.8
Ending Stocks	198.2	159.3	2.3	-38.9

** Rounds to zero.

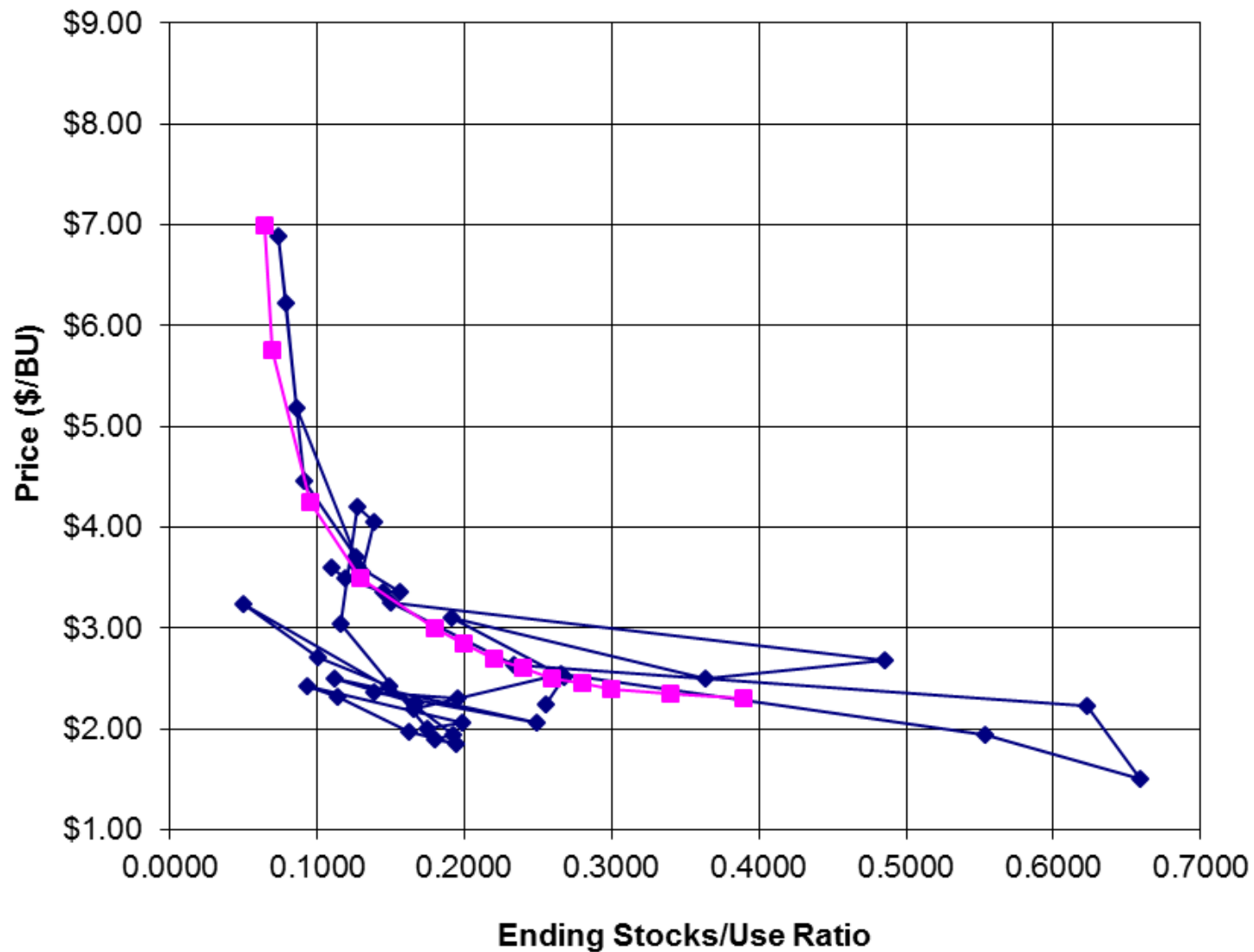
TABLE 1

SUPPLY/DEMAND BALANCE SHEET FOR CORN

	2002- 2003	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	2017- 2018	2018- 2019
(million acres)																	
Acres Planted	78.9	78.6	80.9	81.8	78.3	93.5	86.0	86.4	88.2	91.9	97.3	95.4	90.6	88.0	94.0	90.2	89.1
Acres Harvested	69.3	70.9	73.6	75.1	70.6	86.5	78.6	79.5	81.4	84.0	87.4	87.5	83.1	80.8	86.7	82.7	81.8
Yield/Bushels	129.3	142.2	160.4	148	149.1	150.7	153.9	164.7	152.8	147.2	123.1	158.1	171.0	168.4	174.6	176.6	180.7
(million bushels)																	
Beginning Stocks	1596	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140
Production	8967	10089	11807	11114	10531	13038	12092	13092	12447	12360	10755	13829	14216	13602	15148	14604	14778
Imports	14	14	11	9	12	20	14	8	28	29	160	36	32	68	57	36	50
Total Supply	10578	11190	12776	13237	12510	14362	13729	14774	14182	13517	11904	14686	15479	15401	16942	16934	16968
Use:																	
Feed & Residual	5563	5798	6158	6155	5591	5913	5182	5125	4795	4557	4315	5040	5280	5114	5470	5302	5550
Food, Seed & Ind	2340	2537	2686	2981	3490	4387	5025	5961	6426	6428	6038	6493	6601	6648	6885	7054	7130
Ethanol for fuel	996	1168	1323	1603	2119	3049	3709	4591	5019	5000	4641	5124	5200	5224	5432	5601	5650
Total Domestic	7903	8335	8844	9136	9081	10300	10207	11086	11221	10985	10353	11534	11881	11763	12355	12356	12680
Exports	1588	1897	1818	2134	2125	2437	1849	1980	1834	1543	730	1920	1867	1901	2293	2438	2475
Total Use	9491	10232	10662	11270	11206	12737	12056	13066	13055	12528	11083	13454	13748	13664	14649	14793	15155
Ending Stocks	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140	1813
Ending Stocks, %of Use	11.5	9.4	19.8	17.5	11.6	12.8	13.9	13.1	8.6	7.9	7.4	9.2	12.6	12.7	15.7	14.5	12.0
U.S. Loan Rate	\$1.98	\$1.98	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95
U.S. Season Ave Farm Price, \$/Bu.	\$2.32	\$2.42	\$2.06	\$2.00	\$3.04	\$4.20	\$4.06	\$3.55	\$5.18	\$6.22	\$6.89	\$4.46	\$3.70	\$3.61	\$3.36	\$3.36	\$3.50

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

U.S. Corn Price vs Ending Stocks/Use Ratio 1978 - 2018



Corn Futures 10- 26 -18 Early

Contract	Last	Change	Open	High
Dec '18	362-6	+1-6	361-6	363-4
Mar '19	375-2	+1-6	374-0	376-0
May '19	382-6	+1-2	381-6	383-6
Jul '19	388-4	+1-2	387-4	389-2
Sep '19	391-2	+1-4	390-2	392-0
Dec '19	397-6	+1-4	396-2	398-4
Mar '20	407-0	+1-4	405-4	407-4
May '20	410-4	-4-2	413-2	413-2
Jul '20	416-0	-4-4	418-4	418-4
Sep '20	410-4s			
Dec '20	414-6	+1-4	414-0	414-6
Jul '21	429-0s			
Dec '21	419-0s			

Dec 18 Corn Futures



Corn Yields 1989-2018

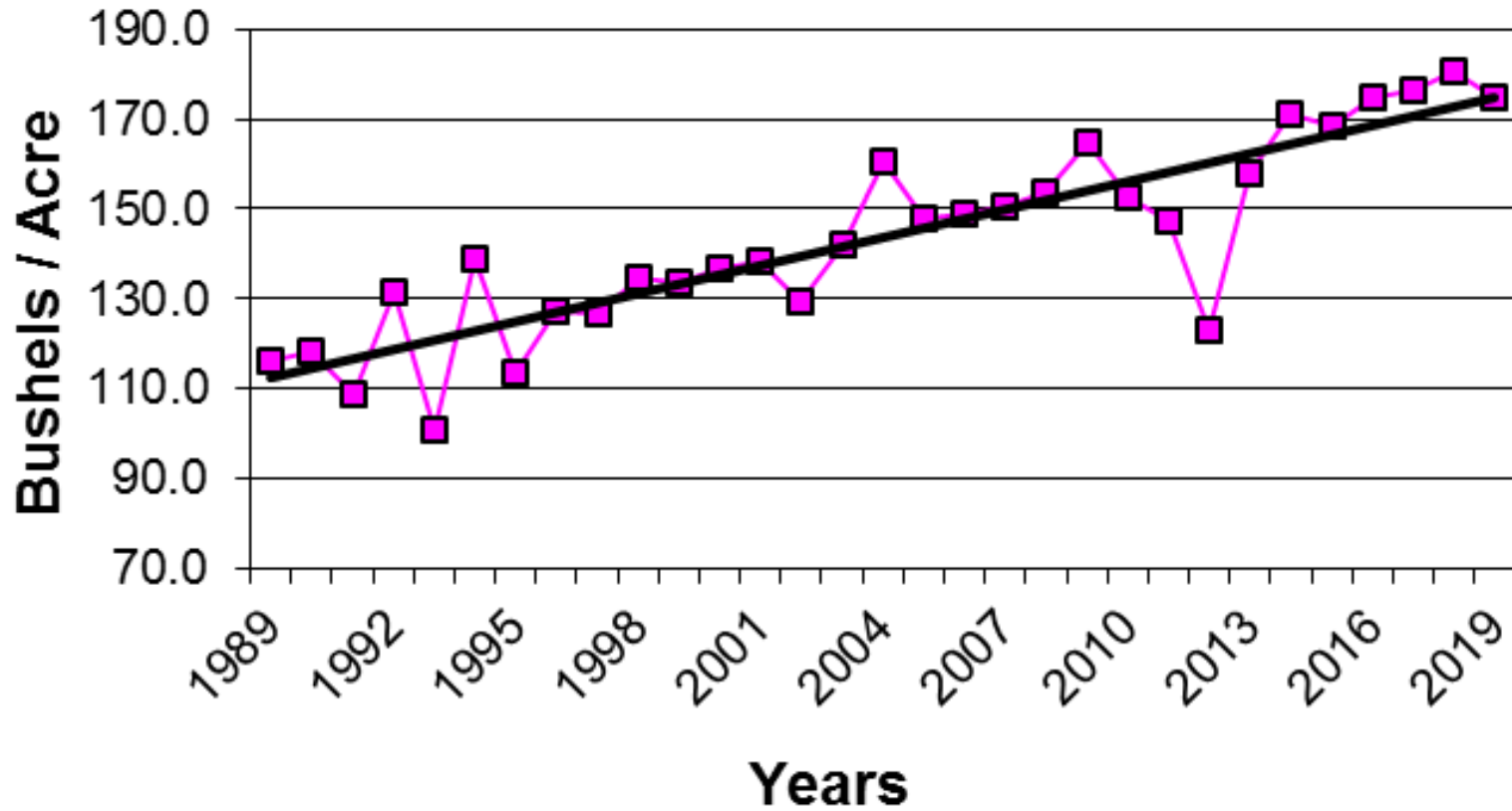


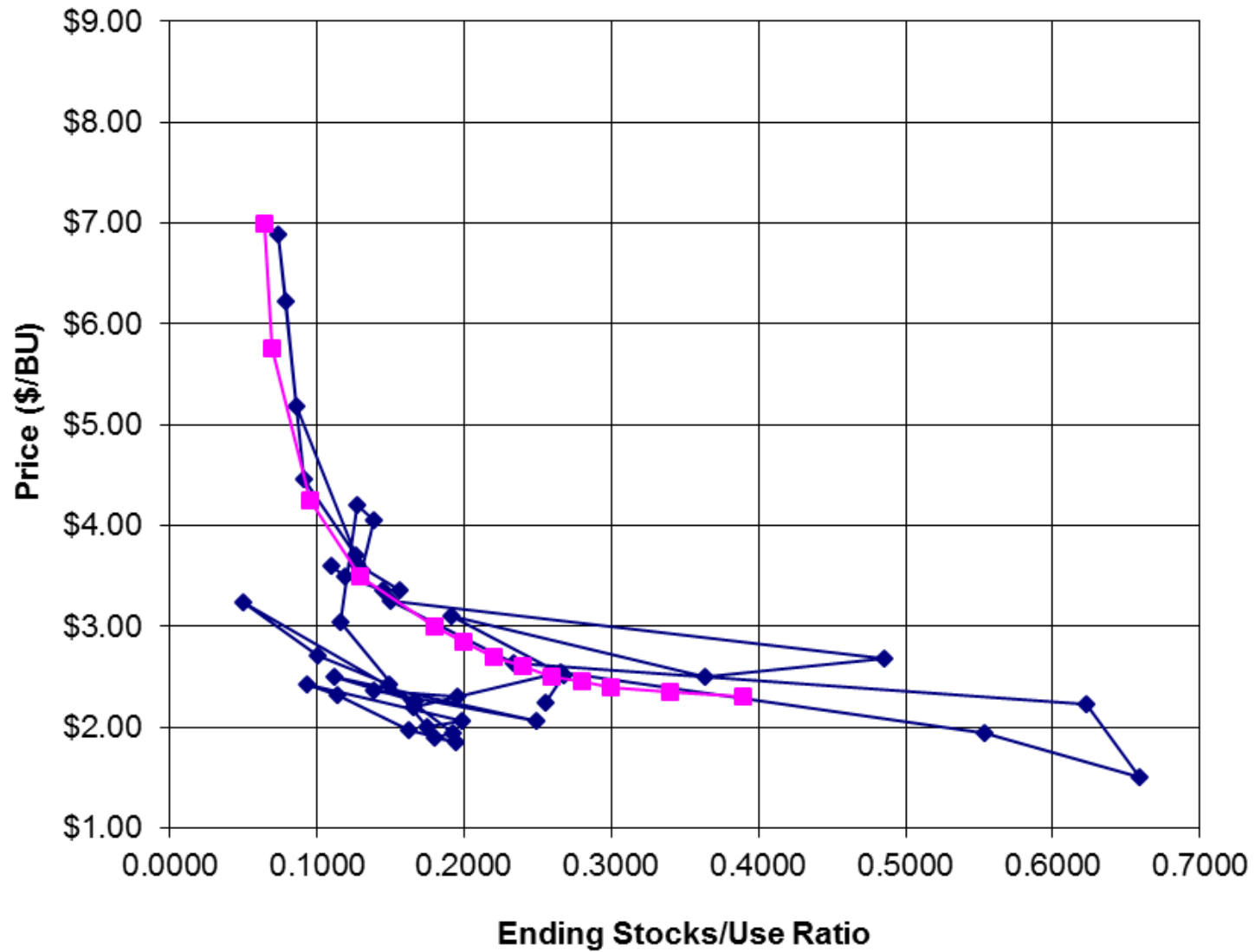
TABLE 1

SUPPLY/DEMAND BALANCE SHEET FOR CORN

																	Est.	Proj.	Hilker
	2002-	2003-	2004-	2005-	2006-	2007-	2008-	2009-	2010-	2011-	2012-	2013-	2014-	2015-	2016-	2017-	2018-	2019-	
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
(million acres)																			
Acres Planted	78.9	78.6	80.9	81.8	78.3	93.5	86.0	86.4	88.2	91.9	97.3	95.4	90.6	88.0	94.0	90.2	89.1	91.0	
Acres Harvested	69.3	70.9	73.6	75.1	70.6	86.5	78.6	79.5	81.4	84.0	87.4	87.5	83.1	80.8	86.7	82.7	81.8	83.6	
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(million bushels)																			
Beginning Stocks	1596	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140	1813	
Production	8967	10089	11807	11114	10531	13038	12092	13092	12447	12360	10755	13829	14216	13602	15148	14604	14778	14610	
Imports	14	14	11	9	12	20	14	8	28	29	160	36	32	68	57	36	50	45	
Total Supply	10578	11190	12776	13237	12510	14362	13729	14774	14182	13517	11904	14686	15479	15401	16942	16934	16968	16468	
Use:																			
Feed & Residual	5563	5798	6158	6155	5591	5913	5182	5125	4795	4557	4315	5040	5280	5114	5470	5302	5550	5540	
Food, Seed & Ind	2340	2537	2686	2981	3490	4387	5025	5961	6426	6428	6038	6493	6601	6648	6885	7054	7130	7075	
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Total Domestic	7903	8335	8844	9136	9081	10300	10207	11086	11221	10985	10353	11534	11881	11763	12355	12356	12680	12615	
Exports	1588	1897	1818	2134	2125	2437	1849	1980	1834	1543	730	1920	1867	1901	2293	2438	2475	2225	
Total Use	9491	10232	10662	11270	11206	12737	12056	13066	13055	12528	11083	13454	13748	13664	14649	14793	15155	14840	
Ending Stocks	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2293	2140	1813	1633	
Ending Stocks, %of Use	11.5	9.4	19.8	17.5	11.6	12.8	13.9	13.1	8.6	7.9	7.4	9.2	12.6	12.7	15.7	14.5	12.0	11.0	
U.S. Loan Rate	\$1.98	\$1.98	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	\$1.95	
U.S. Season Ave																			
Farm Price, \$/Bu.	\$2.32	\$2.42	\$2.06	\$2.00	\$3.04	\$4.20	\$4.06	\$3.55	\$5.18	\$6.22	\$6.89	\$4.46	\$3.70	\$3.61	\$3.36	\$3.36	\$3.50	\$3.60	

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

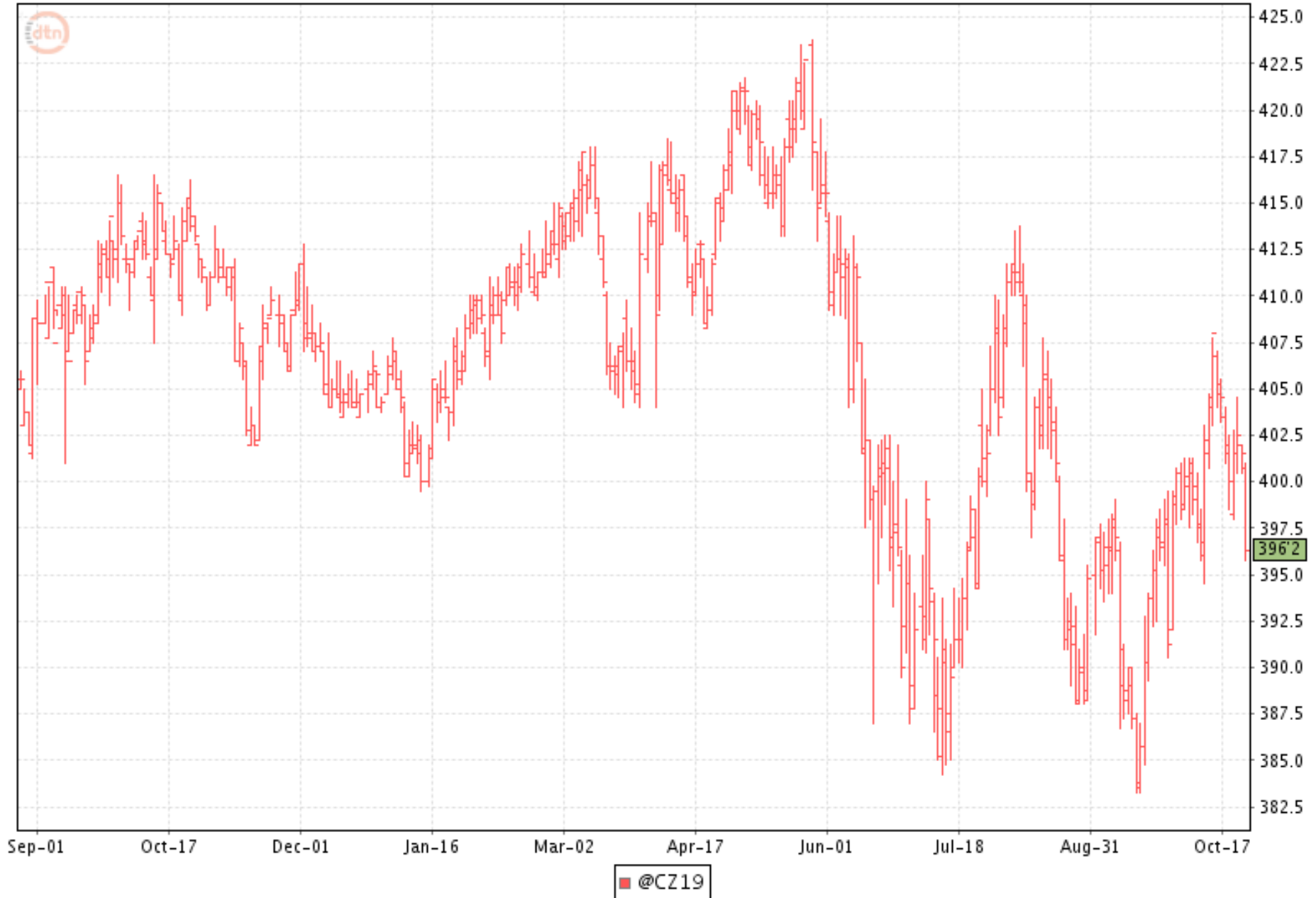
U.S. Corn Price vs Ending Stocks/Use Ratio 1978 - 2018



Corn Futures 10- 26 -18 Early

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Mar '20	407-0	+1-4	405-4	407-4
May '20	410-4	-4-2	413-2	413-2
Jul '20	416-0	-4-4	418-4	418-4
Sep '20	410-4s			
Dec '20	414-6	+1-4	414-0	414-6
Jul '21	429-0s			
Dec '21	419-0s			

Dec 19 Corn Futures



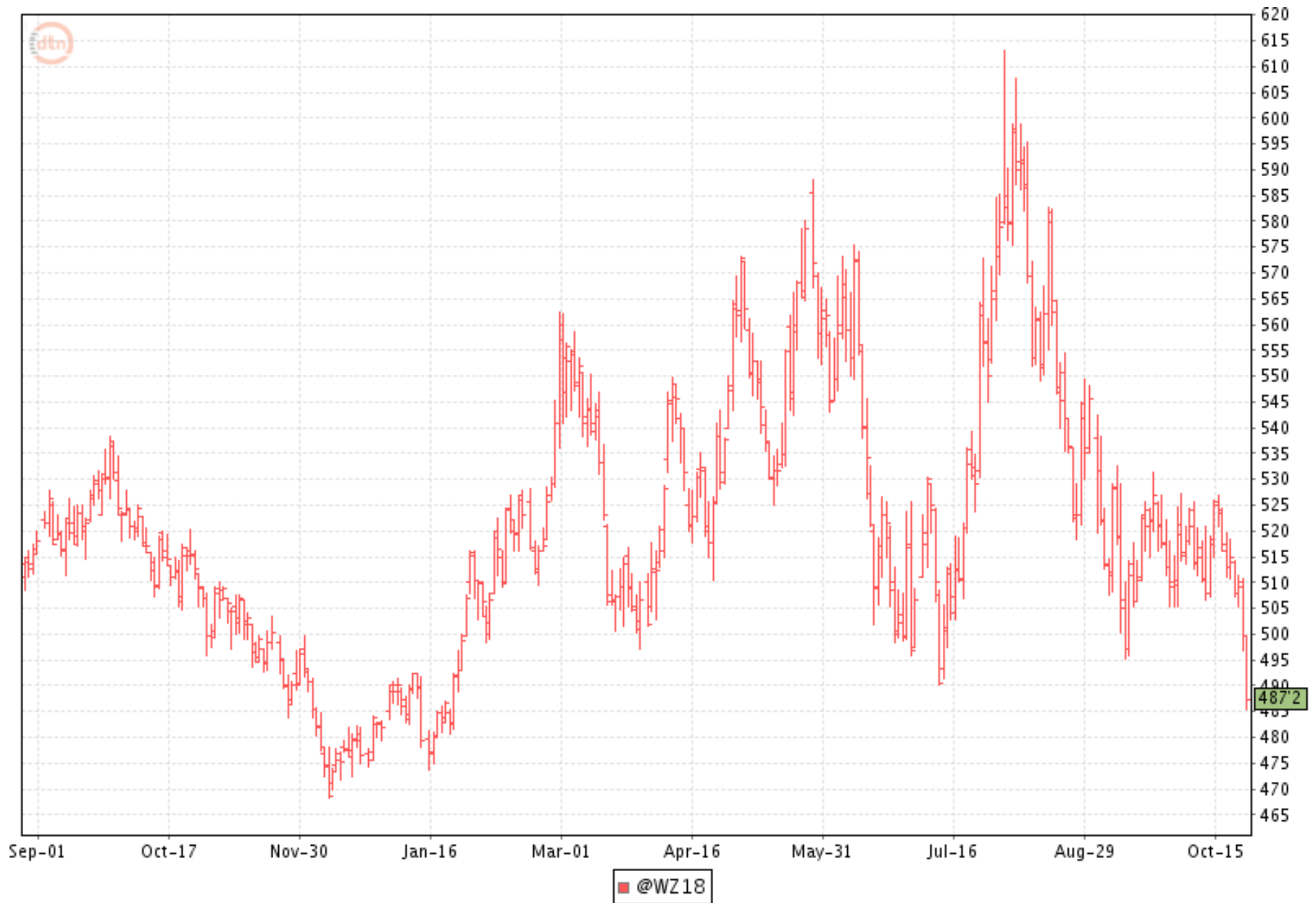
WHEAT

Monthly Wheat Futures

ZW - Wheat - Monthly Continuation OHLC Chart



Dec 2018 Wheat Futures





Small Grains Annual Summary

Crop	Unit	September 2018	% Change From Previous Forecast	% Change From Previous Season
Wheat, All				
Planted	Mil Ac	47.8	-<0.1	+3.9
Harvested	Mil Ac	39.6	+0.1	+5.5
Yield	Bu/Ac	47.6	+0.4	+2.8
Production	Bil Bu	1.88	+0.4	+8.3



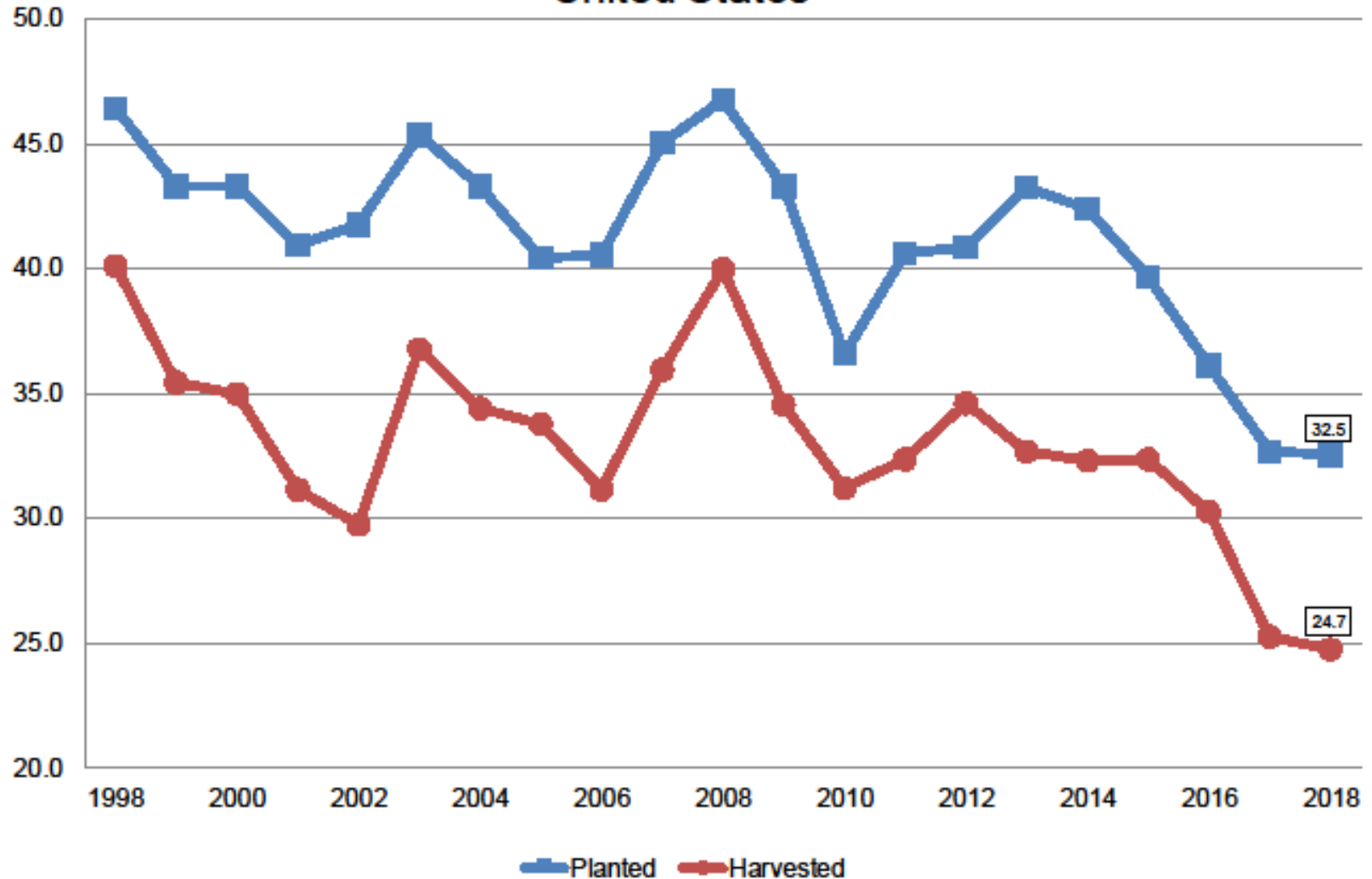
Small Grains Annual Summary

Crop	Unit	September 2018	% Change From Previous Forecast	% Change From Previous Season
Wheat, Winter				
Planted	Mil Ac	32.5	-0.6	-0.5
Harvested	Mil Ac	24.7	-0.3	-2.2
Yield	Bu/Ac	47.9	NC	-4.6
Production	Bil Bu	1.18	-0.4	-6.7



Winter Wheat Acres United States

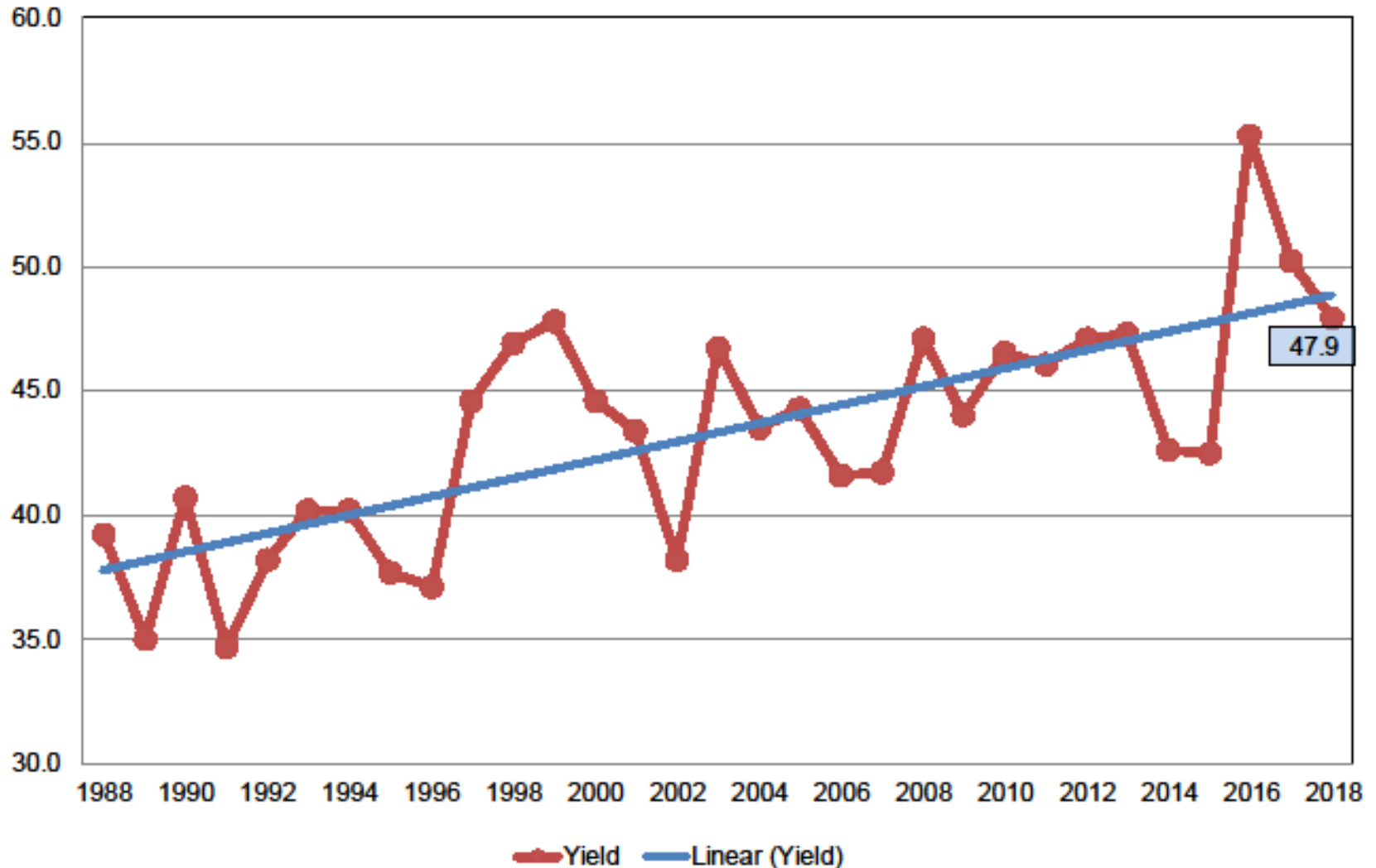
Million Acres





Winter Wheat Yield United States

Bushels per Acre

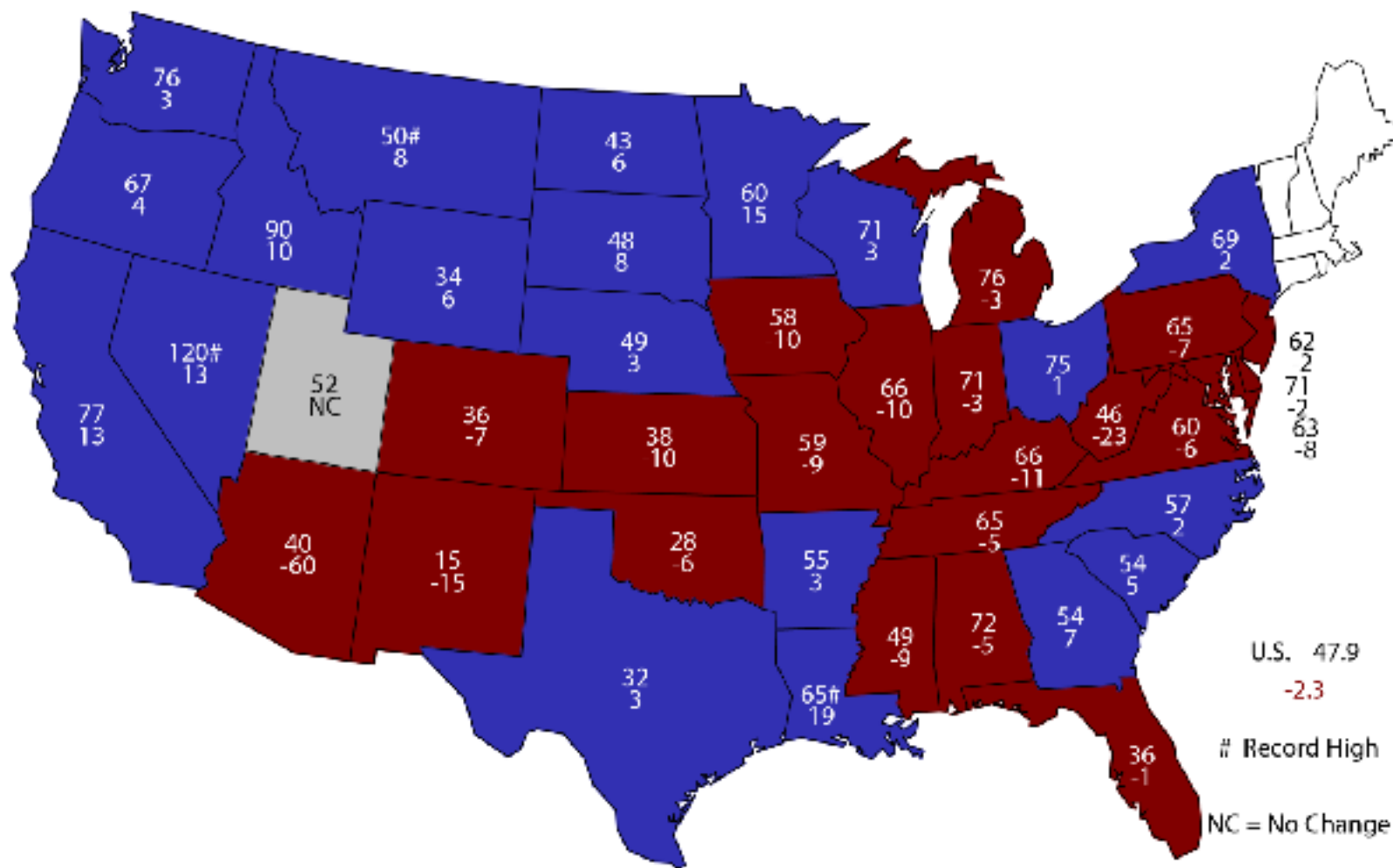


USDA-NASS
9-28-18

OCTOBER 9, 2018

2018 Winter Wheat Yield

Bushels and Change From Previous Year





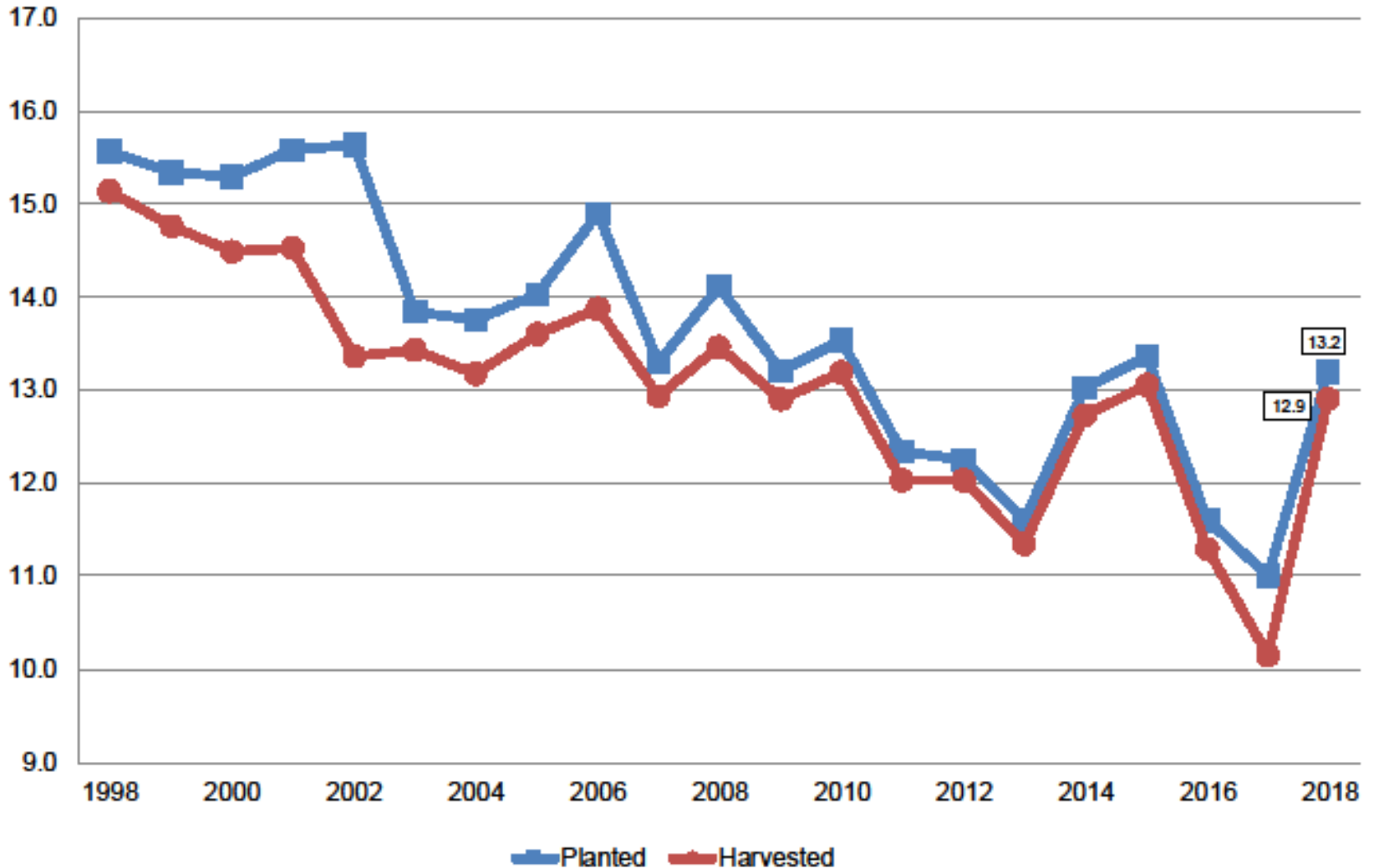
Small Grains Annual Summary

Crop	Unit	September 2018	% Change From Previous Forecast	% Change From Previous Season
Wheat, Spring				
Planted	Mil Ac	13.2	-<0.1	+19.8
Harvested	Mil Ac	12.9	-<0.1	+27.1
Yield	Bu/Ac	48.3	+1.5	+17.8
Production	Mil Bu	623	+1.5	+50.0



Other Spring Wheat Acres United States

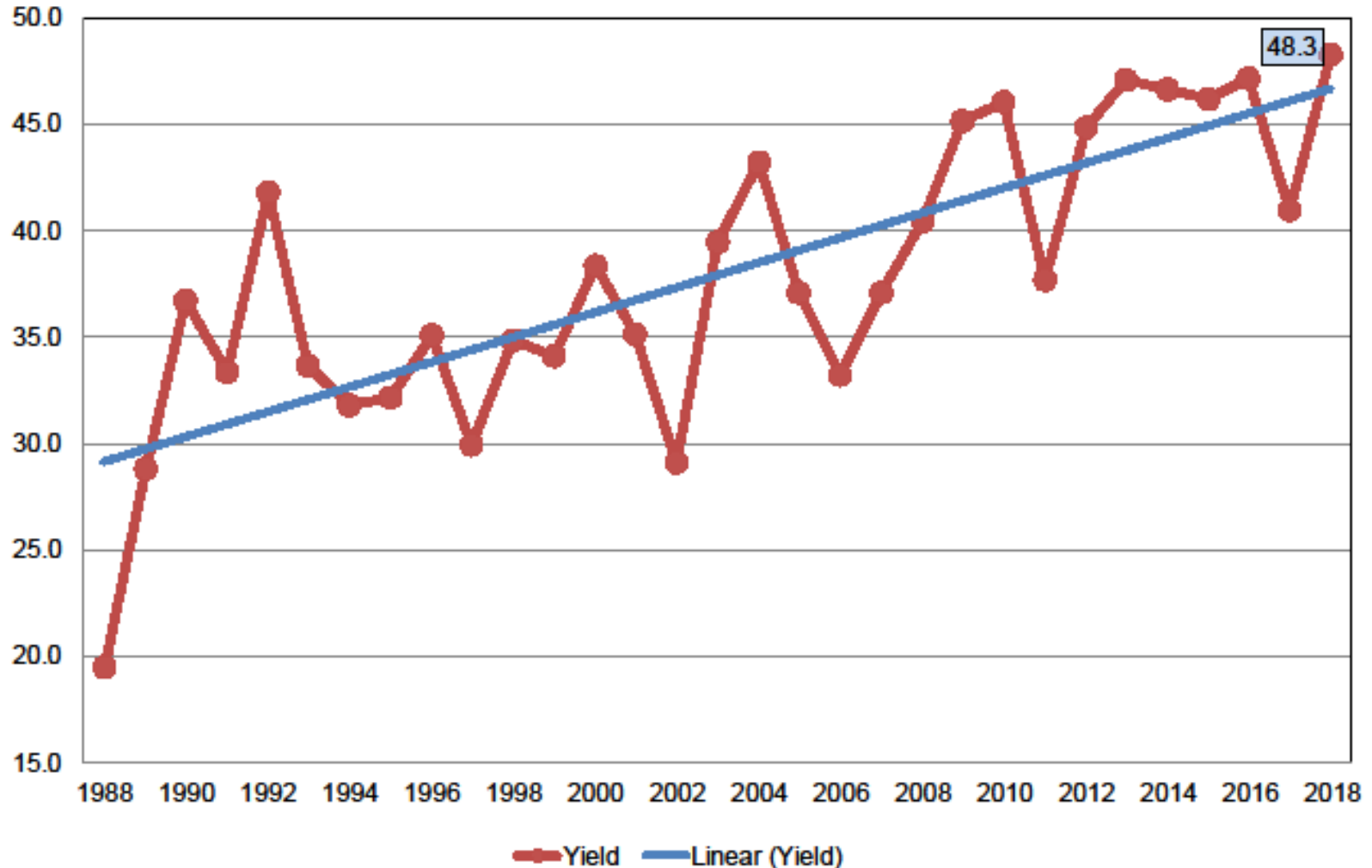
Million Acres





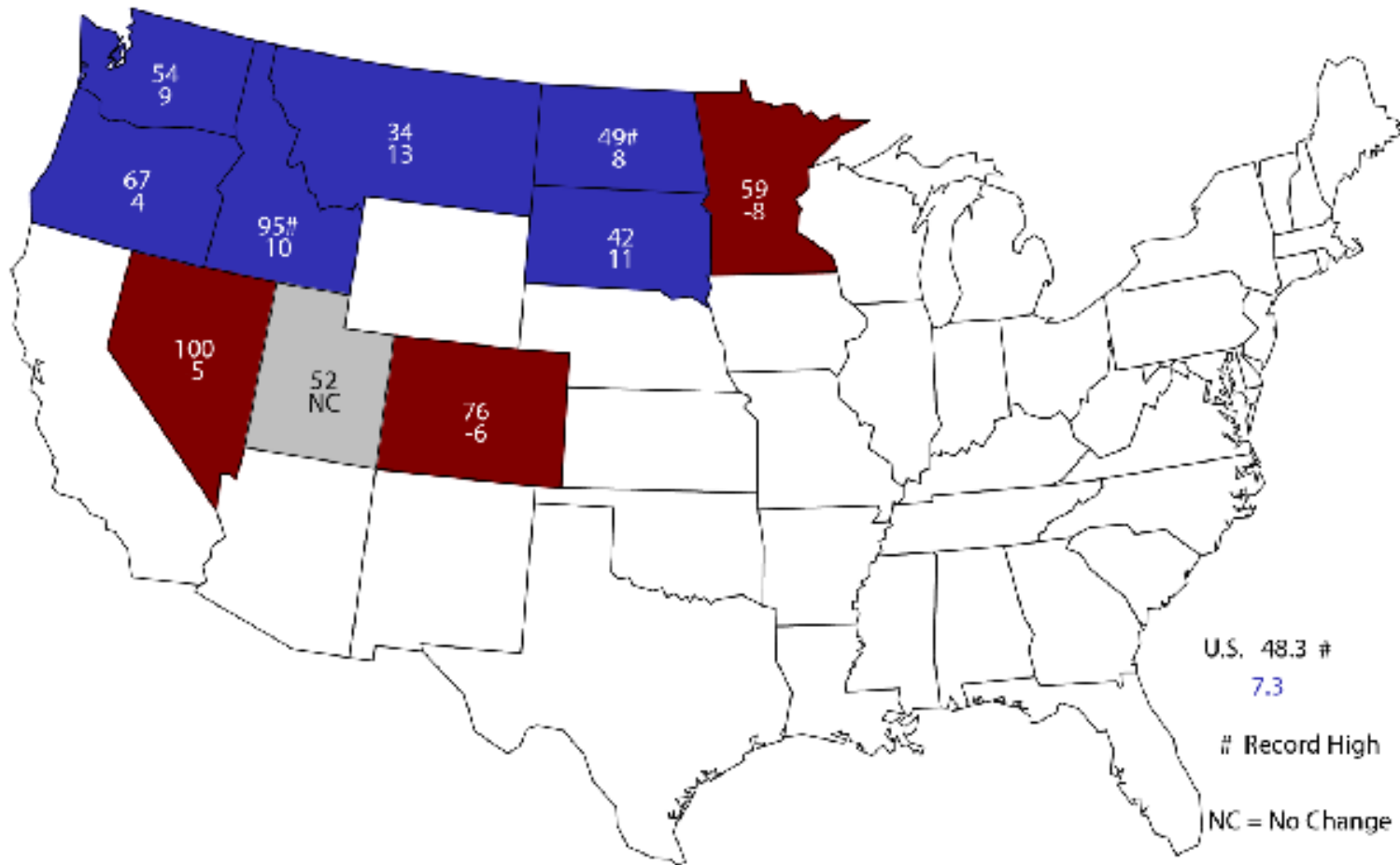
Other Spring Wheat Yield United States

Bushels per Acre





2018 Other Spring Wheat Yield Bushels and Change From Previous Year





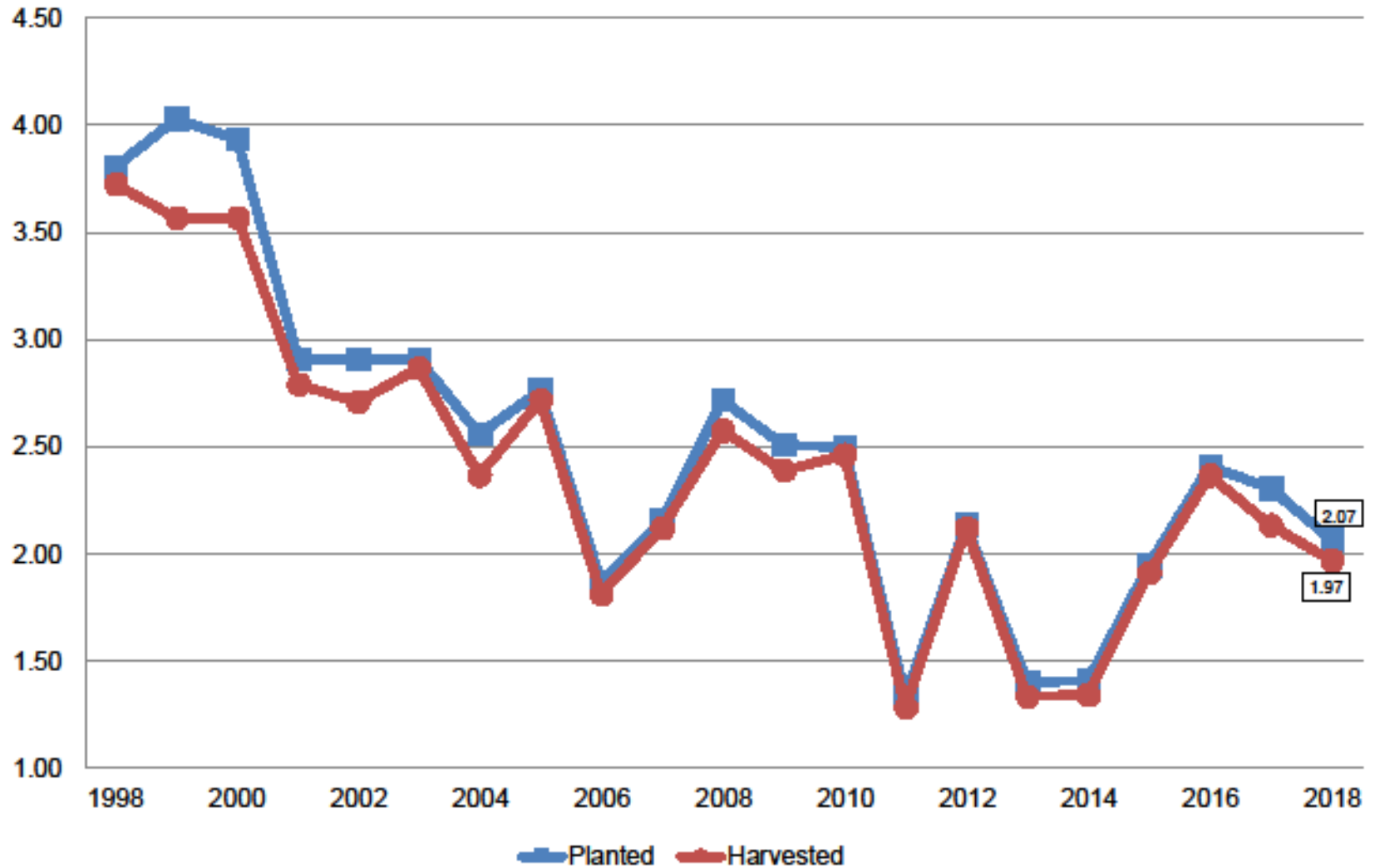
Small Grains Annual Summary

Crop	Unit	September 2018	% Change From Previous Forecast	% Change From Previous Season
Wheat, Durum				
Planted	Mil Ac	2.07	+9.4	-10.5
Harvested	Mil Ac	1.97	+6.8	-6.6
Yield	Bu/Ac	39.3	-1.5	+51.2
Production	Mil Bu	77.3	+5.2	+41.1



Durum Wheat Acres United States

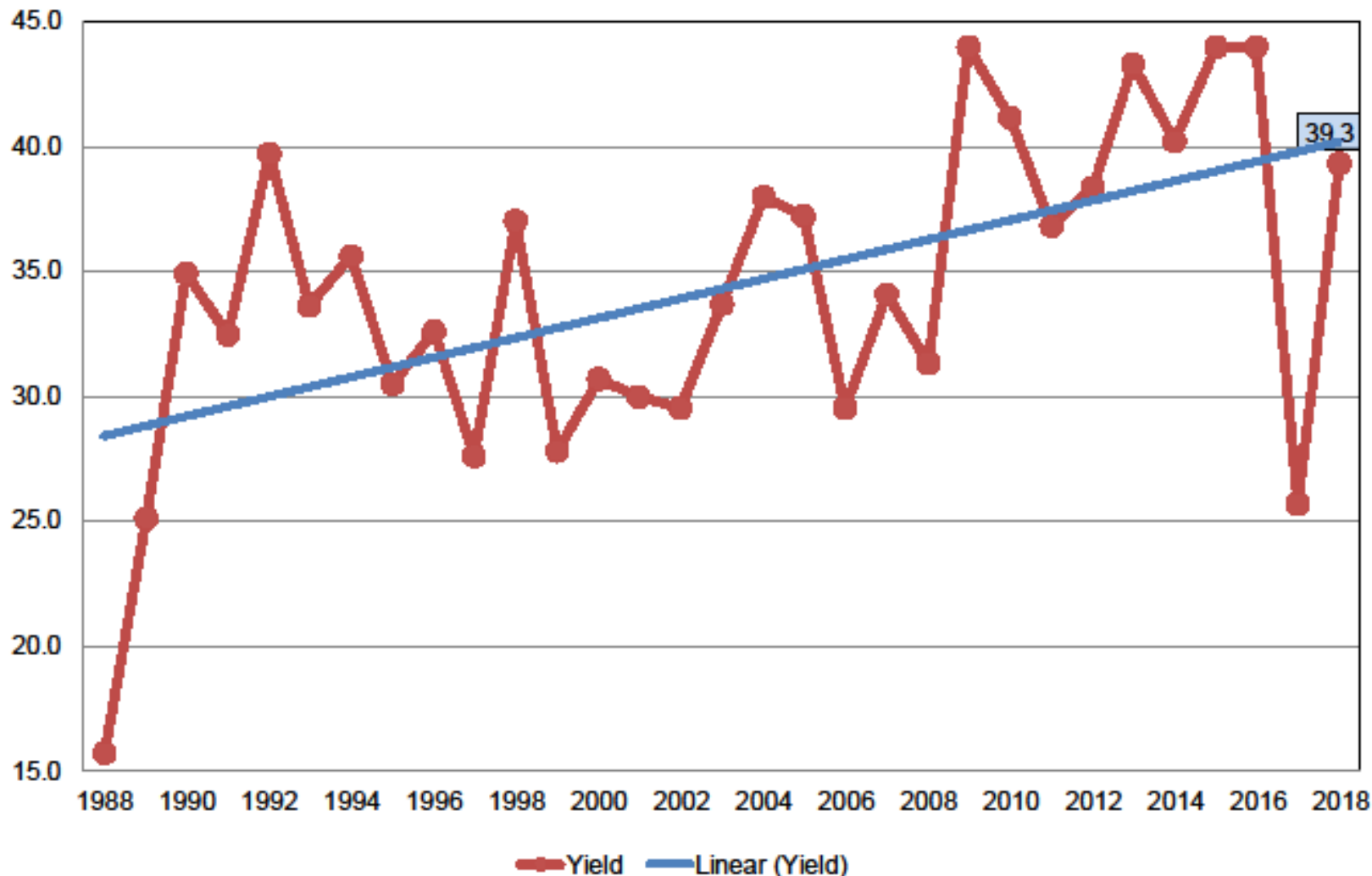
Million Acres





Durum Wheat Yield United States

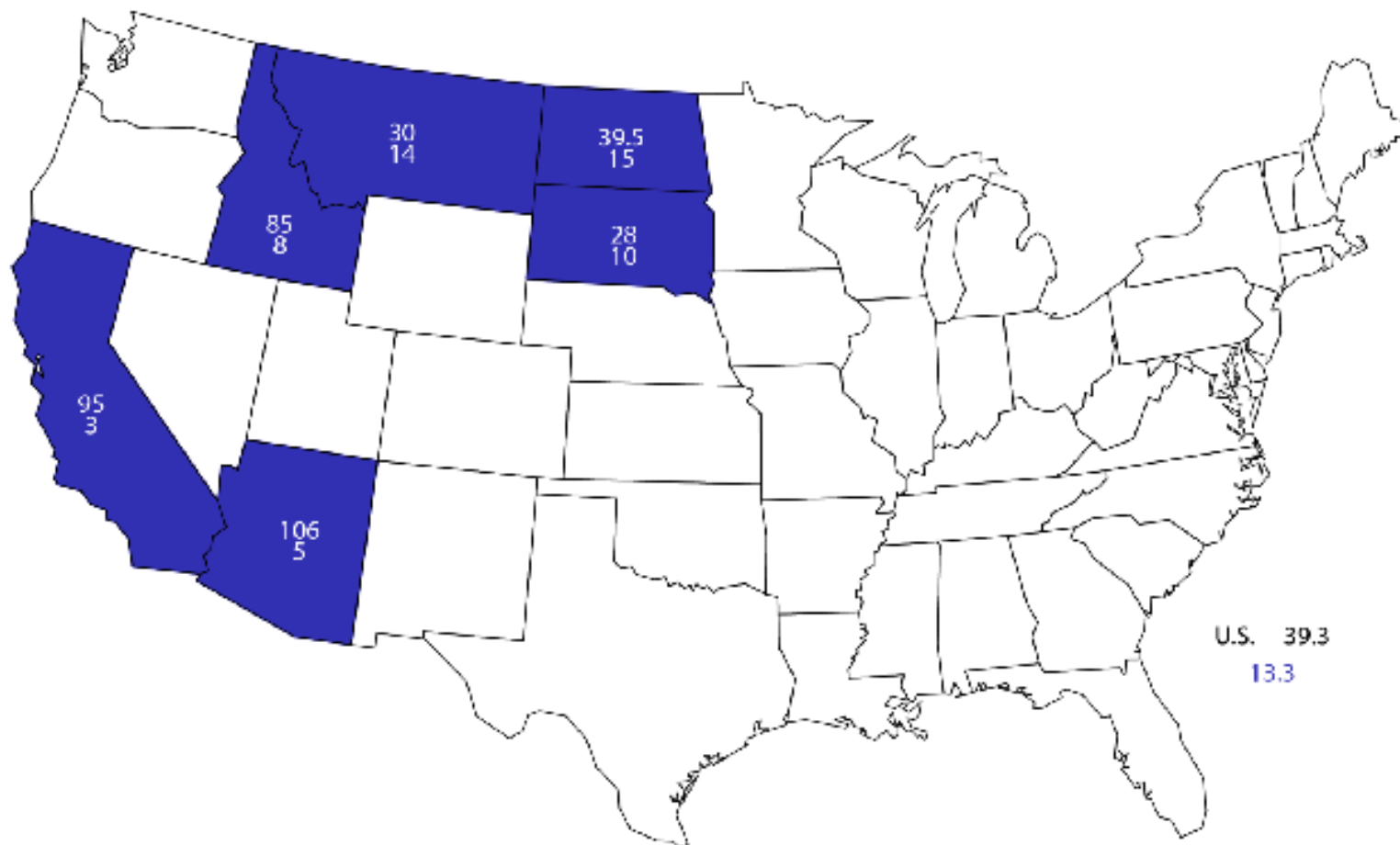
Bushels per Acre





2018 Durum Wheat Yield

Bushels and Change From Previous Year



U.S. Wheat Supply and Demand

Item	2017/2018		2018/2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2017/2018
Planted area (million acres)	46.0	**	47.8	**	1.8
Harvested area (million acres)	37.5	**	39.6	**	2.1
Yield (bushels per acre)	46.3	**	47.6	0.1	1.2
----- Million bushels -----					
Beginning stocks	1,181	--	1,099	-1	-82
Production	1,740	-1	1,884	8	145
Imports	157	--	140	5	-17
Total supply	3,078	-1	3,123	11	46
Food use	964	--	970	--	6
Seed	63	-1	62	--	-1
Feed and residual	50	2	110	-10	60
Domestic use	1,078	**	1,142	-10	64
Exports	901	--	1,025	--	124
Total use	1,979	**	2,167	-10	188
Ending stocks	1,099	-1	956	21	-143
----- Percent -----					
Stocks to use ratio	55.5	-0.1	44.1	1.2	-11.4
----- Dollars per bushel -----					
Average market price	4.72	--	4.80/5.40	--	0.38

-- No change. ** Rounds to zero.

October 11, 2018

**TABLE 2
SUPPLY/DEMAND BALANCE SHEET FOR WHEAT**

Est. Proj.

**2003- 2004- 2005- 2006- 2007- 2008- 2009- 2010- 2011- 2012- 2013- 2014- 2015- 2016- 2017- 2018-
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019**

(Million Acres)

Acres Planted	62.1	59.7	57.2	57.3	60.5	63.2	59.2	53.6	54.4	55.3	56.2	56.8	55.0	50.1	46.0	47.8
Acres Harvested	53.1	50.0	50.1	46.8	51.0	55.7	49.9	47.6	45.7	48.8	45.3	46.4	47.3	43.9	37.5	39.6
Bu./Harvested Acre	44.2	43.2	42.0	38.6	40.2	44.9	44.5	46.3	43.7	46.2	47.1	43.7	43.6	52.7	46.3	47.6

(Million Bushels)

Beginning Stocks	491	546	540	571	456	306	657	976	862	743	718	590	752	976	1181	1099
Production	2345	2158	2105	1808	2051	2499	2218	2207	1999	2252	2135	2026	2062	2309	1740	1884
Imports	68	71	82	122	113	127	119	97	112	123	173	151	113	118	157	140
Total Supply	2904	2775	2727	2501	2620	2932	2993	3279	2974	3118	3026	2768	2927	3402	3078	3123

Use:

Food	907	910	915	938	948	927	919	926	941	951	955	958	957	949	964	970
Seed	80	78	78	82	88	78	69	71	76	73	77	79	67	61	63	62
Feed and Residual	212	182	160	117	16	255	150	132	162	364	228	114	149	161	50	110
Total Domestic	1194	1169	1152	1137	1051	1260	1138	1128	1180	1388	1260	1151	1174	1171	1078	1142
Exports	1159	1066	1003	908	1263	1015	879	1289	1051	1012	1176	864	778	1051	901	1025
Total Use	2353	2235	2155	2045	2314	2275	2018	2417	2231	2400	2436	2015	1951	2222	1979	2167

Ending Stocks	546	540	571	456	306	657	976	862	743	718	590	752	976	1181	1099	956
Ending Stocks, %of Use	23.2	24.2	26.5	22.3	13.2	28.9	48.3	35.7	33.3	29.9	24.2	37.3	50.1	53.2	55.5	44.1

U.S. Loan Rate	\$2.80	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75
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U.S. Season Ave U.S. \$/Bu.	\$3.40	\$3.40	\$3.42	\$4.26	\$6.48	\$6.78	\$4.87	\$5.70	\$7.24	\$7.77	\$6.87	\$5.99	\$4.89	\$3.89	\$4.72	\$5.10
----------------------------------------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

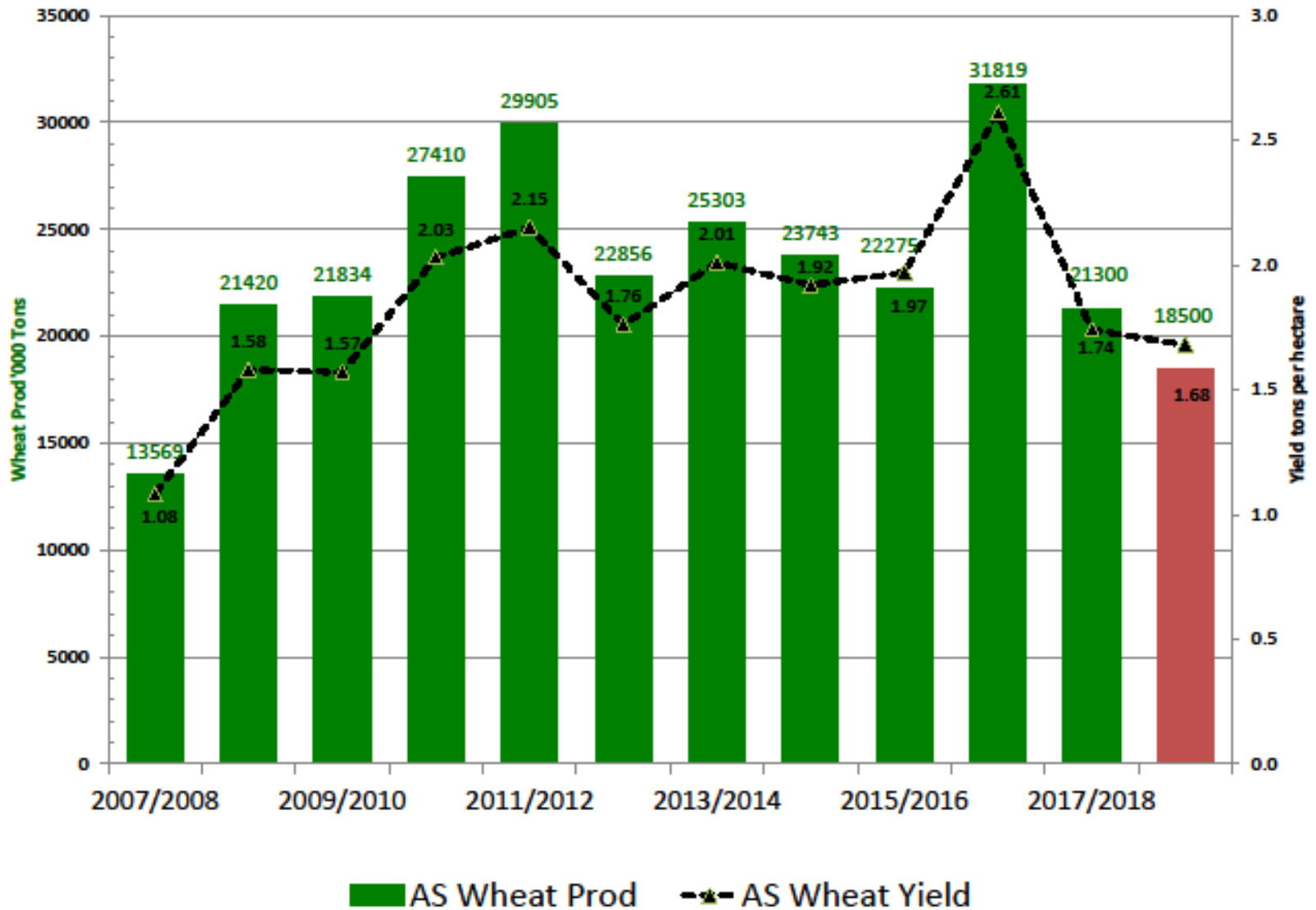
Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

World Wheat Production

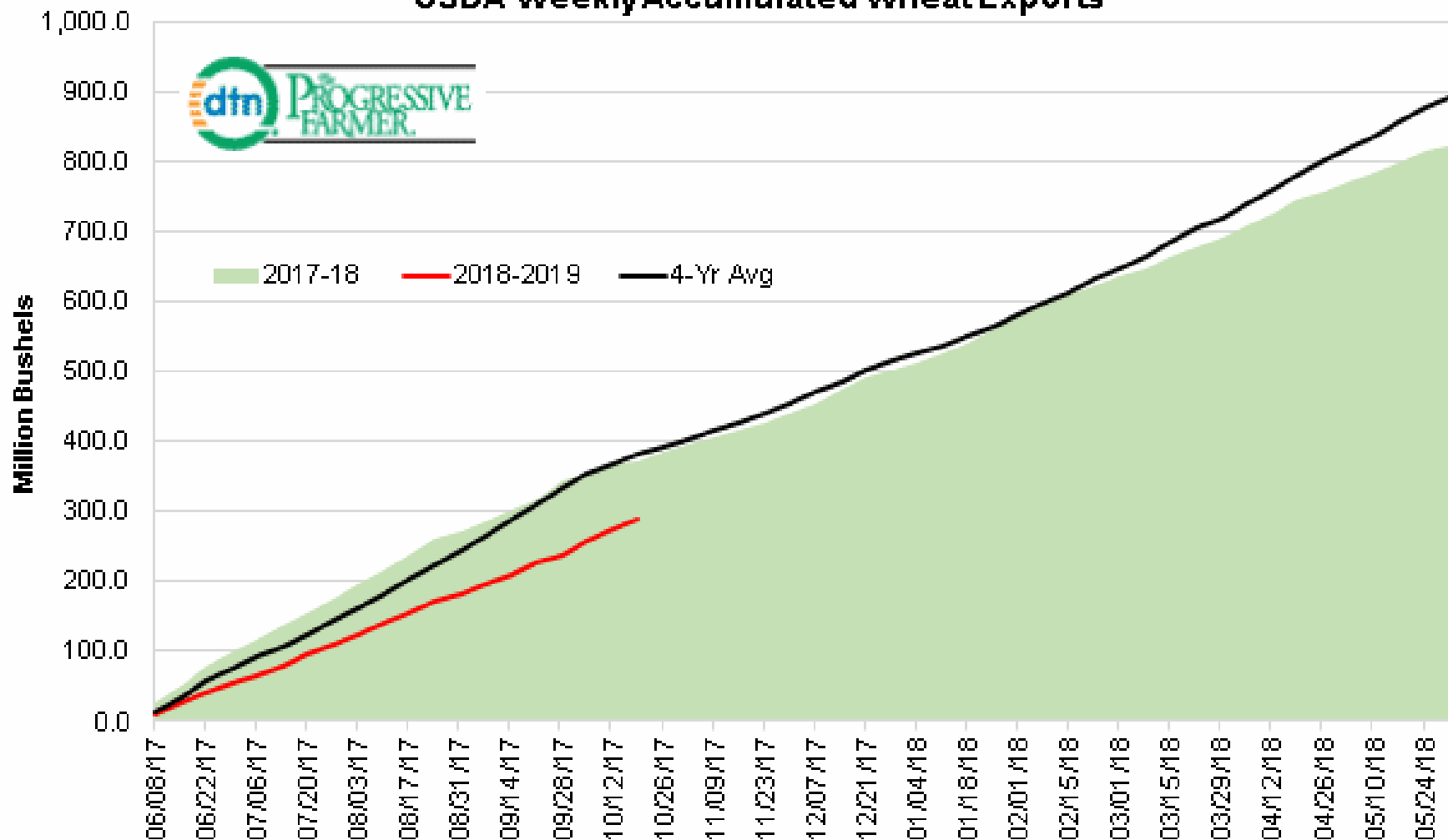
Country or Region	2017/2018 estimate	2018/2019 forecast	Change from September 10	Change from 2017/2018
----- Million Tons -----				
World	758.7	730.9	-2.1	-27.8
United States	47.3	51.3	0.2	3.9
Foreign	711.4	679.6	-2.3	-31.8
Argentina	18.5	19.5	--	1.0
Canada	30.0	31.5	--	1.5
Australia	21.3	18.5	-1.5	-2.8
European Union	151.7	137.5	--	-14.2
Turkey	21.0	19.0	--	-2.0
Russia	85.0	70.0	-1.0	-15.0
Ukraine	27.0	25.5	--	-1.5
Kazakhstan	14.8	15.0	--	0.2
China	129.8	128.0	--	-1.8
India	98.5	99.7	--	1.2
Northwest Africa	10.6	12.4	--	1.9

-- No change.

Australia Wheat Production and Yield



USDA Weekly Accumulated Wheat Exports



Total export shipments of wheat for 2018-19 (red line) as of Thursday, October 18 were 290.0 mb, 22% below last year's 372.5 mb (green fill). Given the 4-year average of wheat shipments is 43% complete at this time of year, current shipments project to a total of 674 mb for the 2018-19 season, which is 351 mb below USDA's latest export estimate of 1025 mb. The pace of 2018-19 wheat shipments remains a bearish factor for wheat prices.

- Todd Hultman, DTN Market Analyst

**GRAINS INSPECTED AND/OR WEIGHED FOR EXPORT
 REPORTED IN WEEK ENDING OCT 18, 2018
 -- METRIC TONS --**

GRAIN	----- WEEK ENDING 10/18/2018	----- WEEK ENDING 10/11/2018	----- WEEK ENDING 10/19/2017	CURRENT MARKET YEAR TO DATE	PREVIOUS MARKET YEAR TO DATE
BARLEY	0	294	734	4,037	15,248
CORN	949,168	1,011,355	636,029	7,823,167	4,548,339
FLAXSEED	0	24	0	194	3,769
MIXED	0	0	0	0	24
OATS	0	0	699	1,294	3,893
RYE	0	0	0	0	0
SORGHUM	9,407	50,857	74,288	131,748	444,601
SOYBEANS	1,148,566	1,209,870	2,593,380	5,936,483	9,843,872
SUNFLOWER	0	0	0	0	0
WHEAT	385,047	458,470	172,615	8,208,838	10,823,128

U.S. EXPORT SALES FOR WEEK ENDING 10/18/2018

	Weekly		Total	Prev	New Crop	
	Sales	Unshipped		Year	Weekly	
--GRAINS--	(in million bushels)					
Corn	13.8	509.7	844.0	638.4	1.1	3.9
Sorghum	2.2	5.6	8.4	58.6	0.0	0.0
Soybeans	7.8	546.8	773.6	1,044.1	0.0	3.4
All Wheat	16.3	171.4	461.4	557.1	0.2	0.2
Durum	0.9	3.6	12.4	9.3	0.0	0.0
Hard Red Spring	6.8	58.9	146.3	158.6	0.0	0.0
Hard Red Winter	6.0	48.6	131.3	205.4	0.0	0.0
Soft Red Winter	0.9	22.4	56.8	54.4	0.2	0.2
White	1.6	37.9	114.6	129.4	0.0	0.0
--OTHER--	(in thousand metric tons)					
Soyoil	26.3	169.3	202.5	140.9	0.0	0.2
Soymeal	203.0	3,783.0	4,255.1	3,750.8	0.1	91.1

World Wheat Supply and Use

Item	2017/2018 estimate	2018/2019 forecast	Change from September 10	Change from 2017/2018
----- Million Tons -----				
Beginning stocks	257.3	274.9	0.5	17.6
Production	758.7	730.9	-2.1	-27.8
Total Supply	1,016.0	1,005.8	-1.6	-10.2
Feed use	144.5	140.3	-0.5	-4.2
Total use	741.1	745.6	-0.5	4.5
Trade	181.3	180.4	-1.0	-0.9
Ending Stocks	274.9	260.2	-1.1	-14.7

TABLE 2
SUPPLY/DEMAND BALANCE SHEET FOR WHEAT

Est. Proj.

2003- 2004- 2005- 2006- 2007- 2008- 2009- 2010- 2011- 2012- 2013- 2014- 2015- 2016- 2017- 2018-
2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

(Million Acres)

Acres Planted	62.1	59.7	57.2	57.3	60.5	63.2	59.2	53.6	54.4	55.3	56.2	56.8	55.0	50.1	46.0	47.8
Acres Harvested	53.1	50.0	50.1	46.8	51.0	55.7	49.9	47.6	45.7	48.8	45.3	46.4	47.3	43.9	37.5	39.6
Bu./Harvested Acre	44.2	43.2	42.0	38.6	40.2	44.9	44.5	46.3	43.7	46.2	47.1	43.7	43.6	52.7	46.3	47.6

(Million Bushels)

Beginning Stocks	491	546	540	571	456	306	657	976	862	743	718	590	752	976	1181	1099
Production	2345	2158	2105	1808	2051	2499	2218	2207	1999	2252	2135	2026	2062	2309	1740	1884
Imports	68	71	82	122	113	127	119	97	112	123	173	151	113	118	157	140
Total Supply	2904	2775	2727	2501	2620	2932	2993	3279	2974	3118	3026	2768	2927	3402	3078	3123
Use:																
Food	907	910	915	938	948	927	919	926	941	951	955	958	957	949	964	970
Seed	80	78	78	82	88	78	69	71	76	73	77	79	67	61	63	62
Feed and Residual	212	182	160	117	16	255	150	132	162	364	228	114	149	161	50	110
Total Domestic	1194	1169	1152	1137	1051	1260	1138	1128	1180	1388	1260	1151	1174	1171	1078	1142
Exports	1159	1066	1003	908	1263	1015	879	1289	1051	1012	1176	864	778	1051	901	1025
Total Use	2353	2235	2155	2045	2314	2275	2018	2417	2231	2400	2436	2015	1951	2222	1979	2167

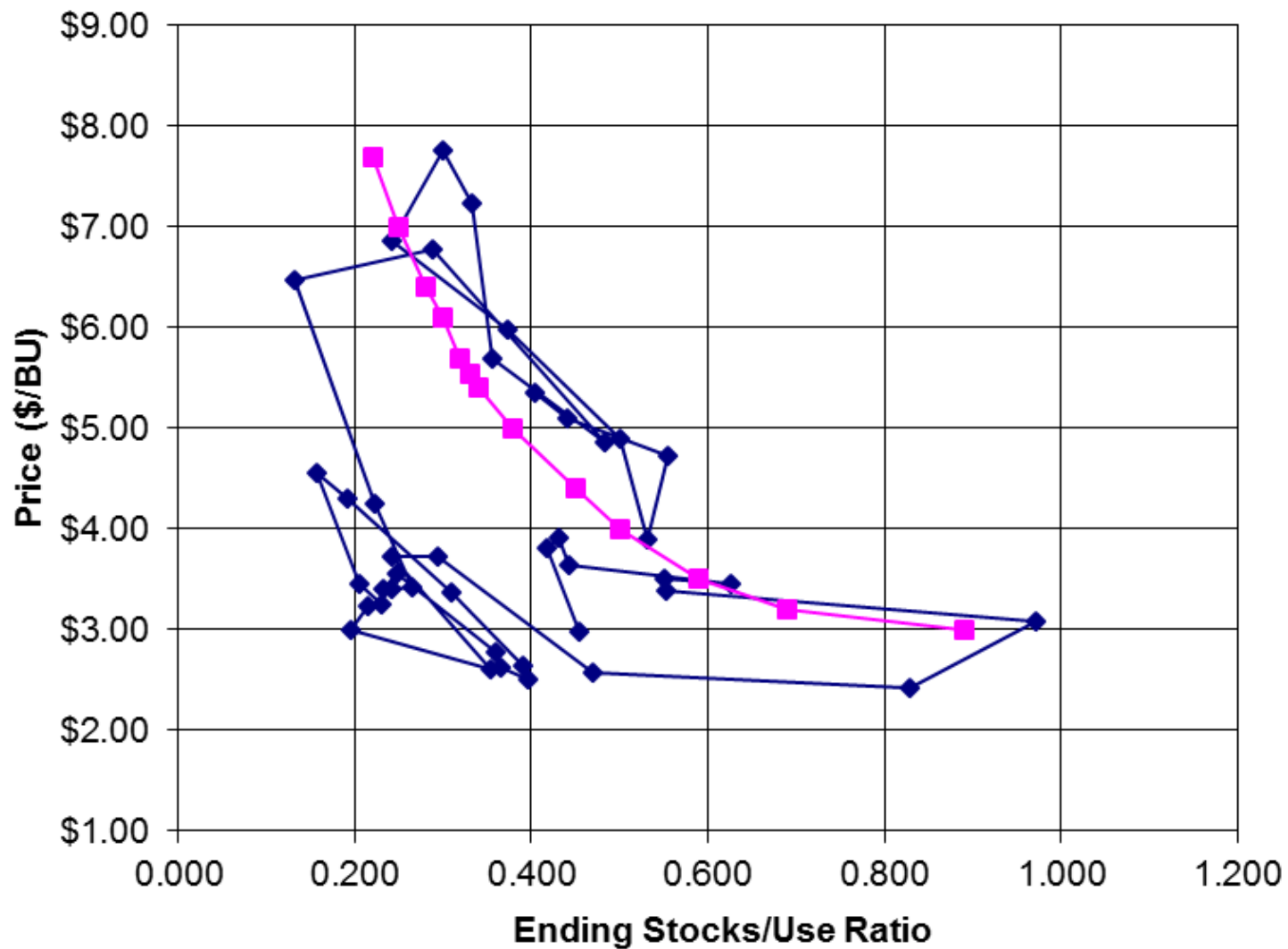
Ending Stocks	546	540	571	456	306	657	976	862	743	718	590	752	976	1181	1099	956
Ending Stocks, %of Use	23.2	24.2	26.5	22.3	13.2	28.9	48.3	35.7	33.3	29.9	24.2	37.3	50.1	53.2	55.5	44.1

U.S. Loan Rate	\$2.80	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75
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U.S. Season Ave																
U.S. \$/Bu.	\$3.40	\$3.40	\$3.42	\$4.26	\$6.48	\$6.78	\$4.87	\$5.70	\$7.24	\$7.77	\$6.87	\$5.99	\$4.89	\$3.89	\$4.72	\$5.10

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

U.S. Wheat Price vs Ending Stocks/Use Ratio 1978 - 2018



Wheat Futures 10 - 26 -18 Early

Contract	Last	Change	Open	High	Low
Dec '18	493-6	+6-4	487-2	495-0	486-6
Mar '19	513-2	+5-4	508-0	514-2	507-2
May '19	525-6	+4-6	521-0	525-6	520-4
Jul '19	532-0	+3-6	528-0	532-6	528-0
Sep '19	544-4	+4-2	540-0	544-4	540-0
Dec '19	559-4	+3-2	558-0	560-4	557-6
Mar '20	571-2	+3-2	569-6	571-2	569-4
May '20	574-4s				
Jul '20	571-6s				
Sep '20	605-0	-7-2	605-0	605-0	605-0
Dec '20	590-0	-7-0	593-6	595-0	590-0
Mar '21	626-0	-7-0	626-0	626-0	626-0

**TABLE 2
SUPPLY/DEMAND BALANCE SHEET FOR WHEAT**

	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	2017- 2018	2018- 2019	2019- 2020
(Million Acres)																	
Acres Planted	62.1	59.7	57.2	57.3	60.5	63.2	59.2	53.6	54.4	55.3	56.2	56.8	55.0	50.1	46.0	47.8	47.0
Acres Harvested	53.1	50.0	50.1	46.8	51.0	55.7	49.9	47.6	45.7	48.8	45.3	46.4	47.3	43.9	37.5	39.6	40.3
Bu./Harvested Acre	44.2	43.2	42.0	38.6	40.2	44.9	44.5	46.3	43.7	46.2	47.1	43.7	43.6	52.7	46.3	47.6	48.2
(Million Bushels)																	
Beginning Stocks	491	546	540	571	456	306	657	976	862	743	718	590	752	976	1181	1099	956
Production	2345	2158	2105	1808	2051	2499	2218	2207	1999	2252	2135	2026	2062	2309	1740	1884	1940
Imports	68	71	82	122	113	127	119	97	112	123	173	151	113	118	157	140	135
Total Supply	2904	2775	2727	2501	2620	2932	2993	3279	2974	3118	3026	2768	2927	3402	3078	3123	3031
Use:																	
Food	907	910	915	938	948	927	919	926	941	951	955	958	957	949	964	970	975
Seed	80	78	78	82	88	78	69	71	76	73	77	79	67	61	63	62	63
Feed and Residual	212	182	160	117	16	255	150	132	162	364	228	114	149	161	50	110	120
Total Domestic	1194	1169	1152	1137	1051	1260	1138	1128	1180	1388	1260	1151	1174	1171	1078	1142	1158
Exports	1159	1066	1003	908	1263	1015	879	1289	1051	1012	1176	864	778	1051	901	1025	1000
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U.S. Loan Rate	\$2.80	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75
U.S. Season Ave U.S. \$/Bu.	\$3.40	\$3.40	\$3.42	\$4.26	\$6.48	\$6.78	\$4.87	\$5.70	\$7.24	\$7.77	\$6.87	\$5.99	\$4.89	\$3.89	\$4.72	\$5.10	\$5.35

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

Wheat Yields 1978-2018

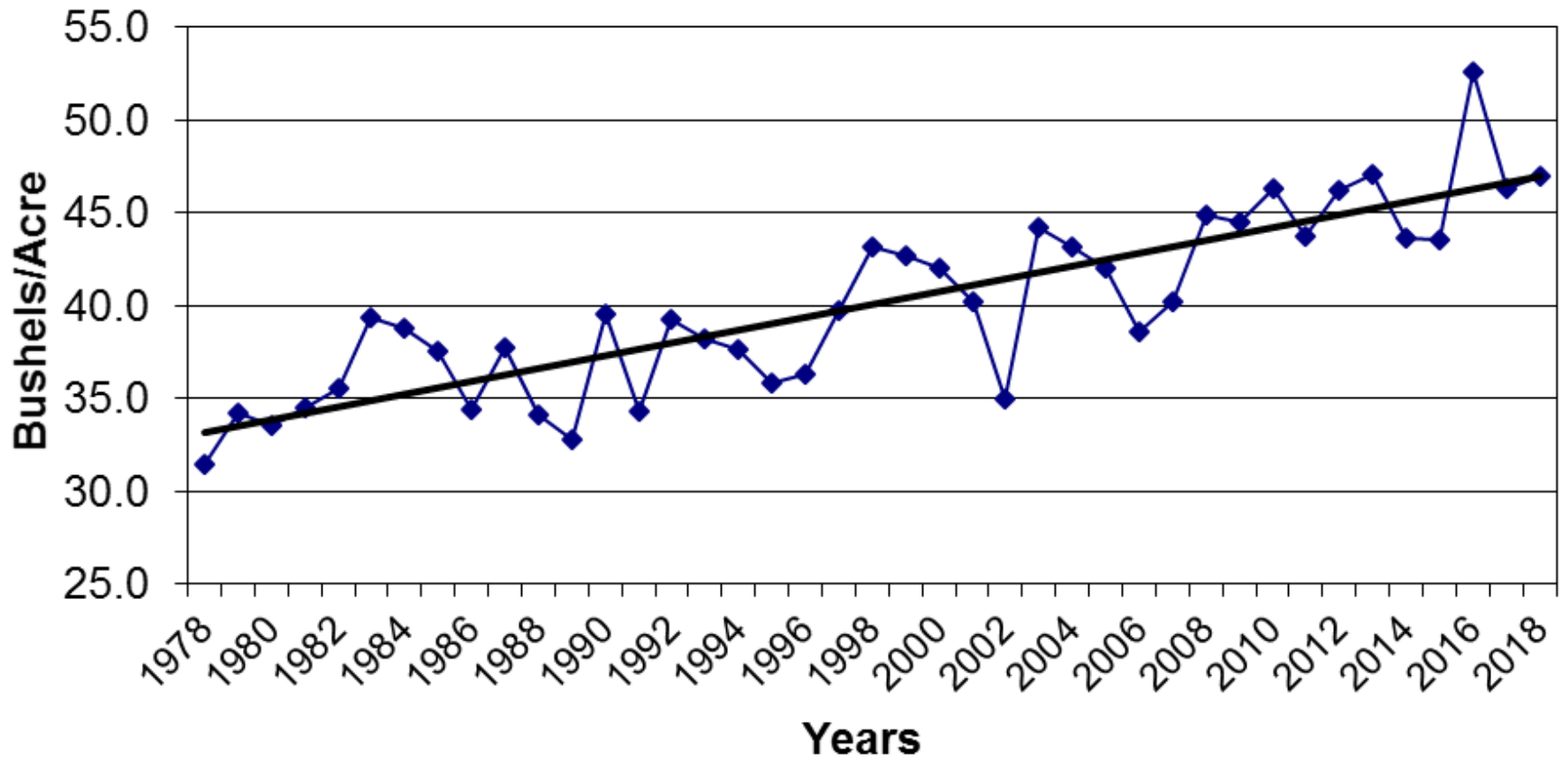
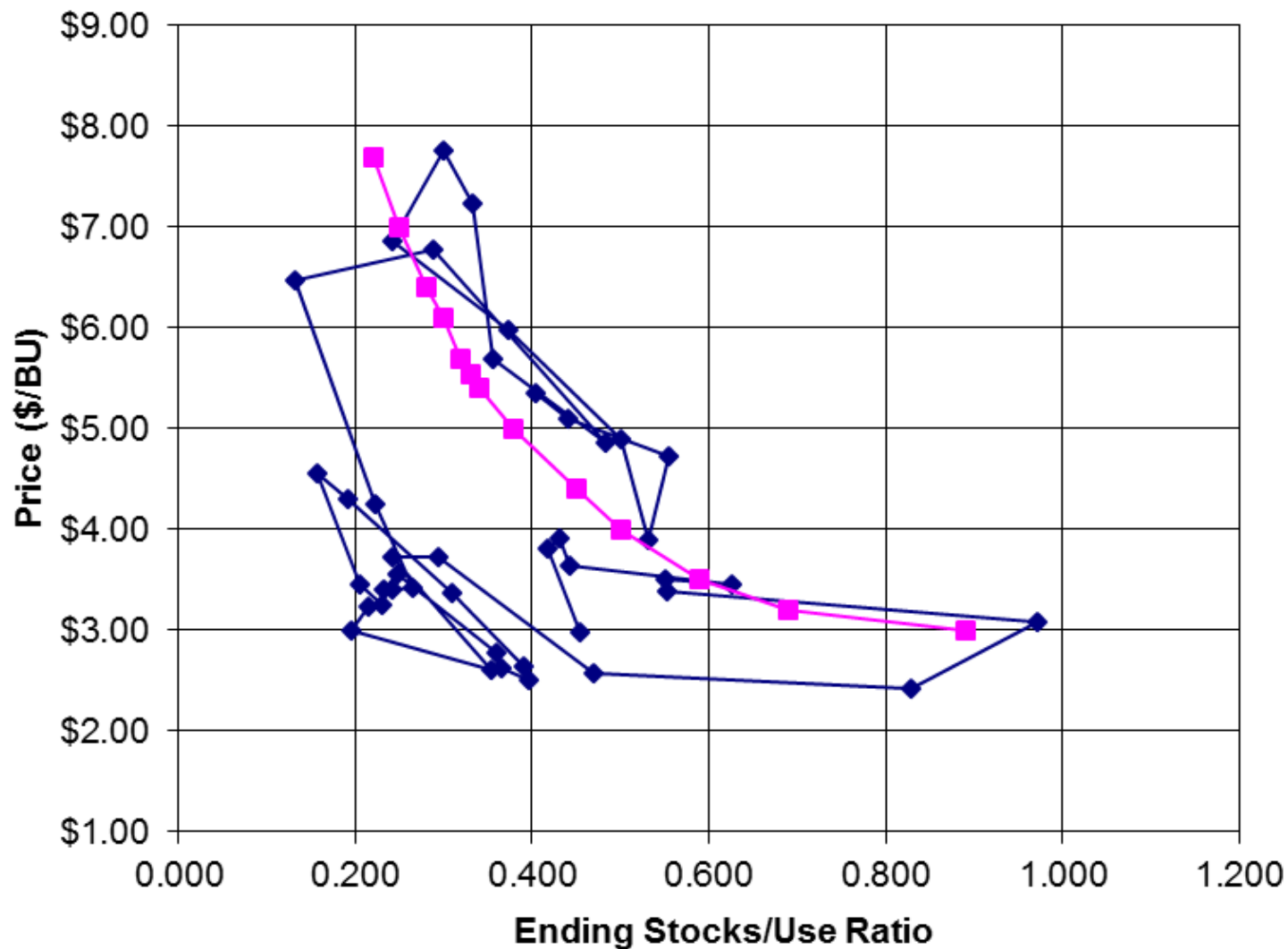


TABLE 2
SUPPLY/DEMAND BALANCE SHEET FOR WHEAT

	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	Est. 2017- 2018	Proj. 2018- 2019	Hilker 2019- 2020
(Million Acres)																	
Acres Planted	62.1	59.7	57.2	57.3	60.5	63.2	59.2	53.6	54.4	55.3	56.2	56.8	55.0	50.1	46.0	47.8	47.0
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Total Supply	2904	2775	2727	2501	2620	2932	2993	3279	2974	3118	3026	2768	2927	3402	3078	3123	3031
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Food	907	910	915	938	948	927	919	926	941	951	955	958	957	949	964	970	975
Seed	80	78	78	82	88	78	69	71	76	73	77	79	67	61	63	62	63
Feed and Residual	212	182	160	117	16	255	150	132	162	364	228	114	149	161	50	110	120
Total Domestic	1194	1169	1152	1137	1051	1260	1138	1128	1180	1388	1260	1151	1174	1171	1078	1142	1158
Exports	1159	1066	1003	908	1263	1015	879	1289	1051	1012	1176	864	778	1051	901	1025	1000
Total Use	2353	2235	2155	2045	2314	2275	2018	2417	2231	2400	2436	2015	1951	2222	1979	2167	2158
Ending Stocks	546	540	571	456	306	657	976	862	743	718	590	752	976	1181	1099	956	873
Ending Stocks, %of Use	23.2	24.2	26.5	22.3	13.2	28.9	48.3	35.7	33.3	29.9	24.2	37.3	50.1	53.2	55.5	44.1	40.5
U.S. Loan Rate	\$2.80	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75	\$2.75
U.S. Season Ave U.S. \$/Bu.	\$3.40	\$3.40	\$3.42	\$4.26	\$6.48	\$6.78	\$4.87	\$5.70	\$7.24	\$7.77	\$6.87	\$5.99	\$4.89	\$3.89	\$4.72	\$5.10	\$5.35

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

U.S. Wheat Price vs Ending Stocks/Use Ratio 1978 - 2018



Wheat Futures 10 - 26 -18 Early

Contract	Last	Change	Open	High	Low
Dec '18	493-6	+6-4	487-2	495-0	486-6
Mar '19	513-2	+5-4	508-0	514-2	507-2
May '19	525-6	+4-6	521-0	525-6	520-4
Jul '19	532-0	+3-6	528-0	532-6	528-0
Sep '19	544-4	+4-2	540-0	544-4	540-0
Dec '19	559-4	+3-2	558-0	560-4	557-6
Mar '20	571-2	+3-2	569-6	571-2	569-4
May '20	574-4s				
Jul '20	571-6s				
Sep '20	605-0	-7-2	605-0	605-0	605-0
Dec '20	590-0	-7-0	593-6	595-0	590-0
Mar '21	626-0	-7-0	626-0	626-0	626-0

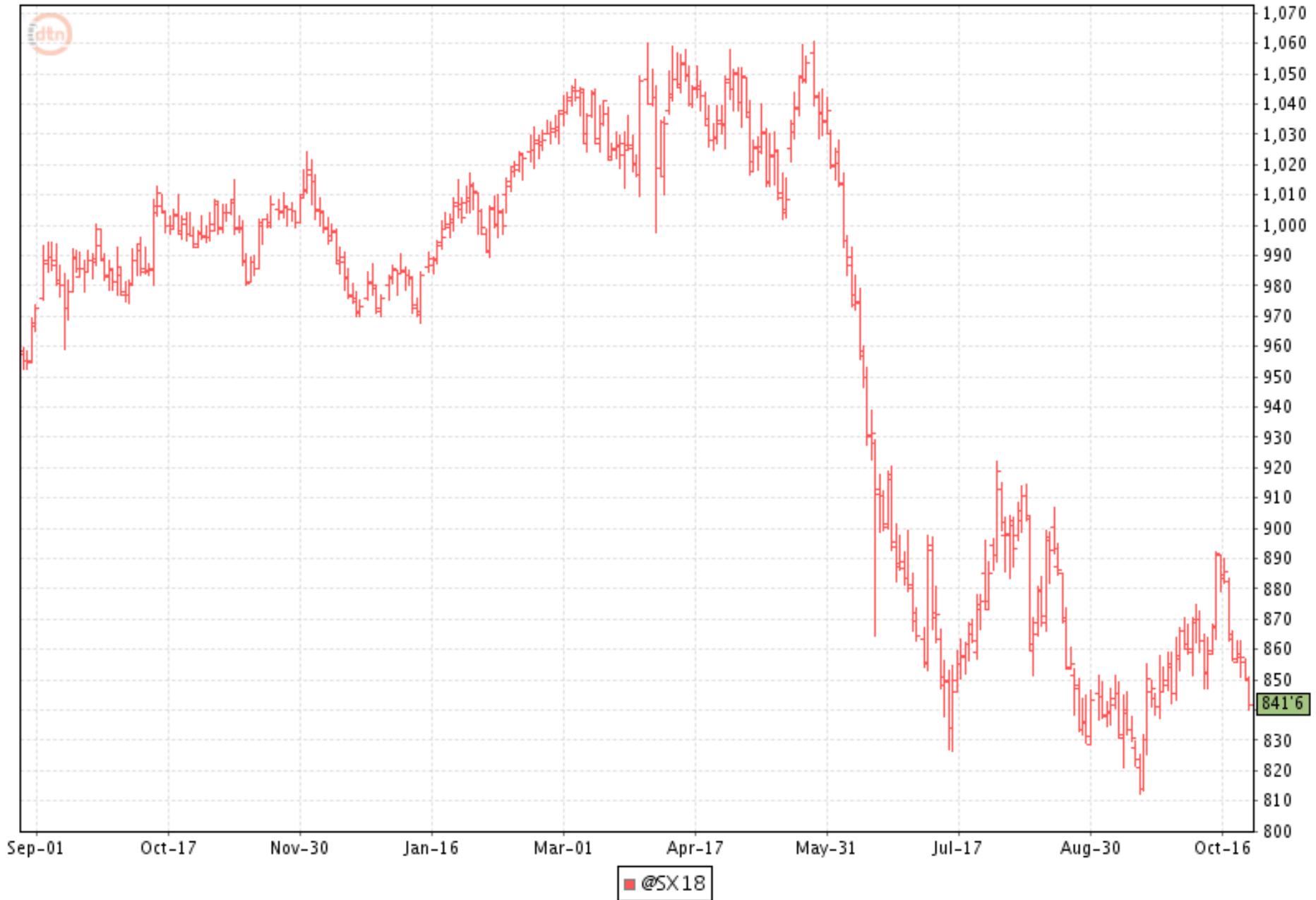
SOYBEAN OUTLOOK

Monthly Soybeans Futures

ZS - Soybeans - Monthly Continuation OHLC Chart



November 2018 Soybean Futures





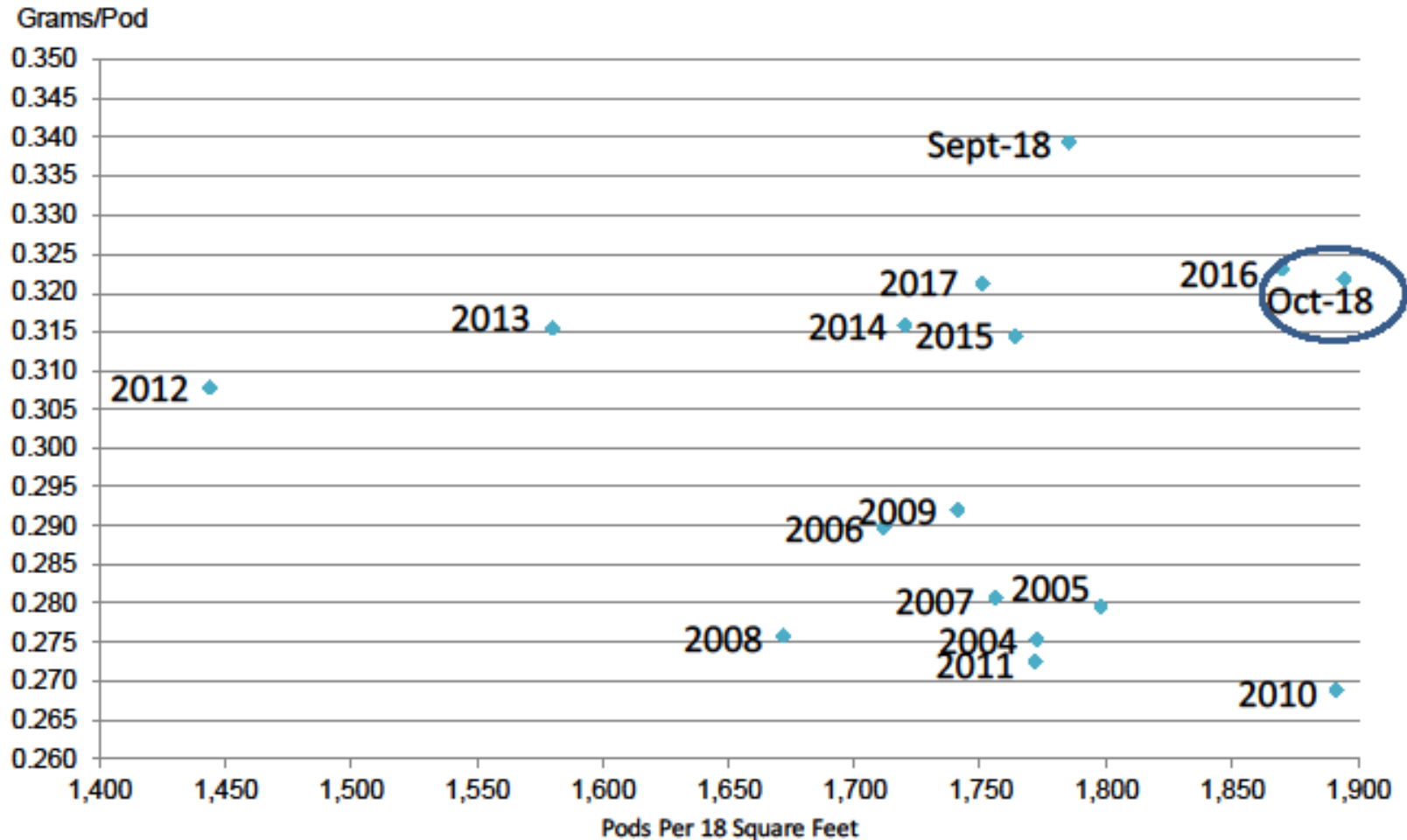
October 2018 Crop Production

Crop	Unit	October 2018	% Change From Previous Forecast	% Change From Previous Season
Soybeans				
Harvested	Mil Ac	88.3	-0.6	-1.3
Yield	Bu/Ac	53.1	+0.6	+7.7
Production	Bil Bu	4.69	-0.1	+6.3



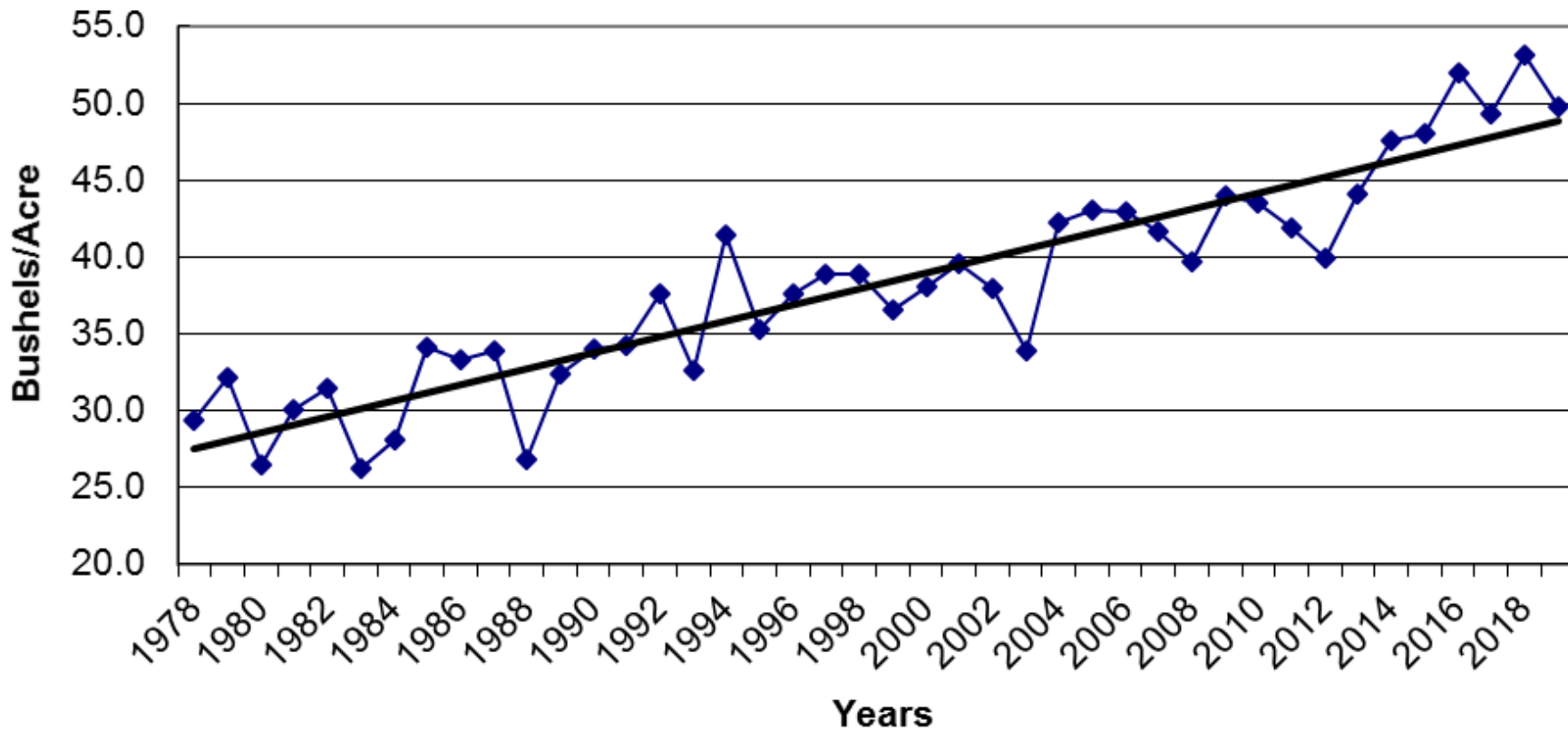
Soybean Objective Yield Region

Pods Per 18 Square Feet vs. Implied Pod Weight



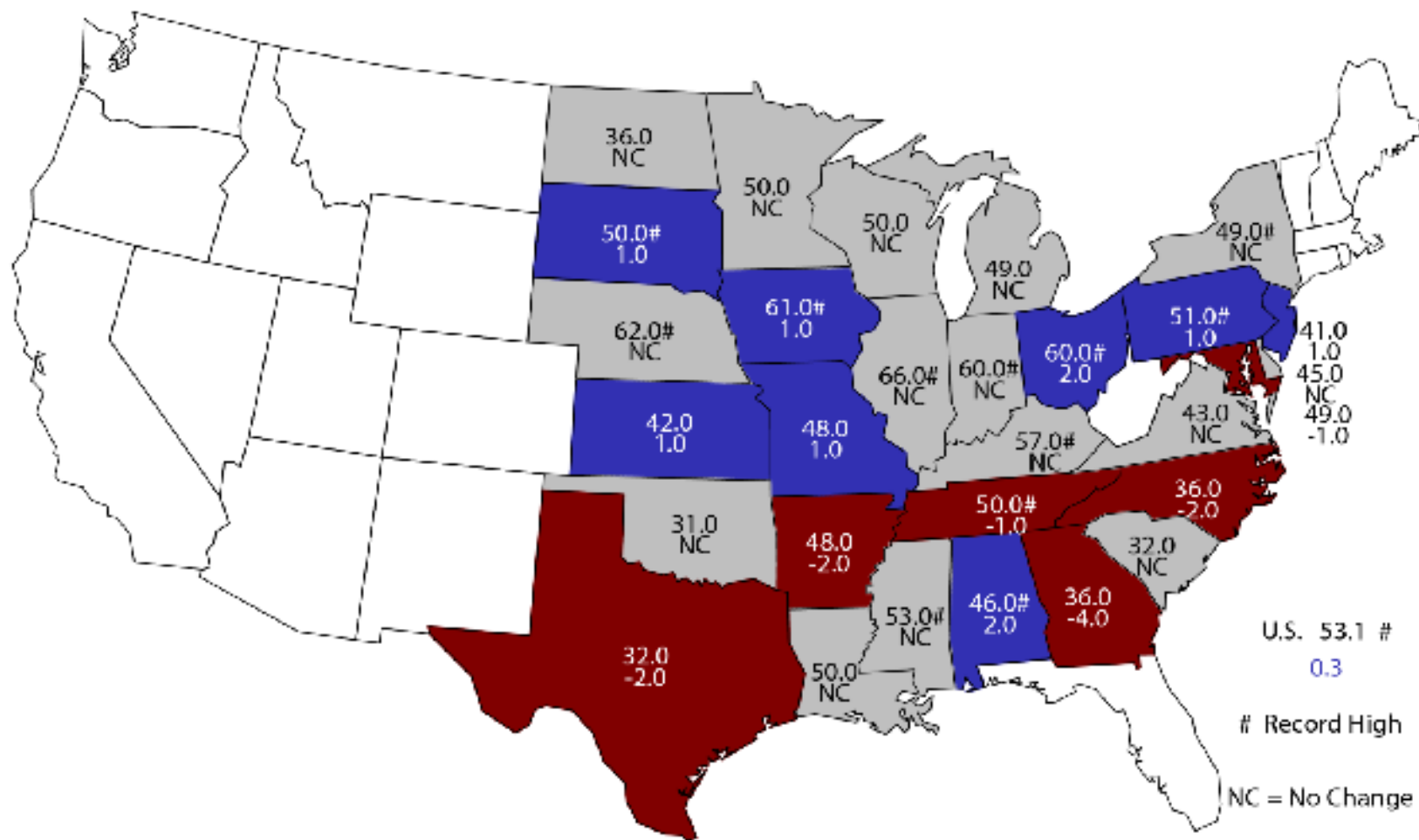
Implied Pod Weight = (Published Yield / Pods) / 0.0889

Soybean Yields 1978-2018



October 1, 2018 Soybean Yield

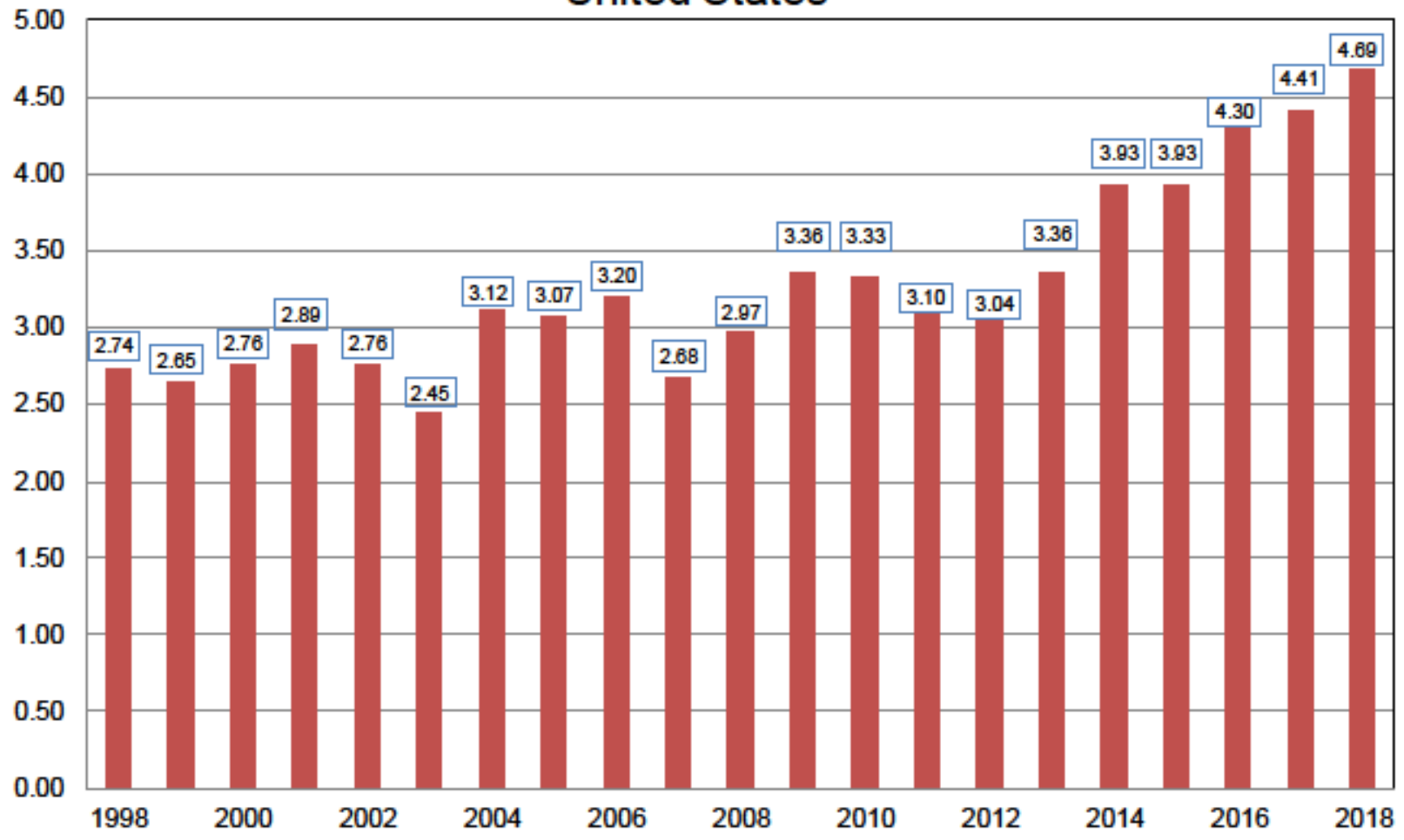
Bushels and Change From Previous Forecast



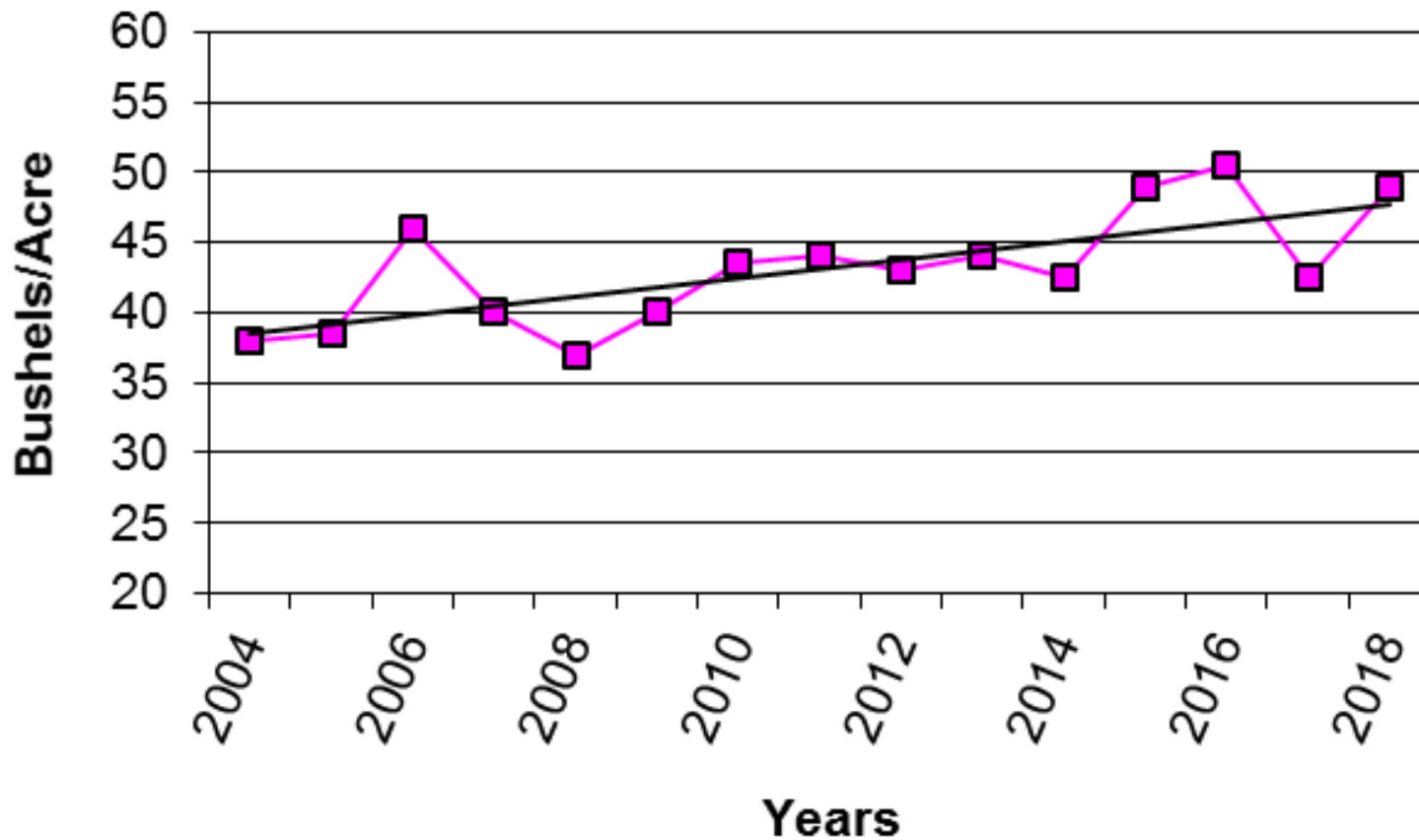


Soybean Production United States

Billion Bushels



Michigan Soybean Yields 2004 -2018



—■— Soybean Yields — Linear (Soybean Yields)

U.S. Soybeans Supply and Demand

Item	2017/2018		2018/2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2017/2018
Planted area (million acres)	90.1	--	89.1	-0.4	-1.0
Harvested area (million acres)	89.5	--	88.3	-0.5	-1.2
Yield (bushels per acre)	49.3	0.2	53.1	0.3	3.8
<i>----- Million bushels -----</i>					
Beginning stocks	302	--	438	44	137
Production	4,411	19	4,690	-4	279
Imports	22	**	25	--	3
Total supply	4,734	19	5,153	40	419
Crush	2,055	**	2,070	--	15
Seed and Residual	112	-24	138	**	26
Domestic use	2,167	-24	2,208	**	41
Exports	2,129	-1	2,060	--	-69
Total use	4,296	-25	4,268	**	-28
Ending stocks	438	44	885	40	447
<i>----- Percent -----</i>					
Stocks to use ratio	10.2	1.1	20.7	0.9	10.5
<i>----- Dollars per bushel -----</i>					
Average market price	9.33	-0.02	7.35/9.85	--	-0.73

-- No change. ** Rounds to zero.

**TABLE 3
SUPPLY/DEMAND BALANCE SHEET FOR SOYBEANS**

	2002- 2003	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	Est. 2017- 2018	Proj. 2018- 2019
(Million Acres)																	
Acres Planted	74	73.4	75.2	72	75.5	64.7	75.7	77.5	77.4	75.0	77.2	76.8	83.3	82.7	83.4	90.1	89.6
Acres Harvested	72.5	72.3	74.0	71.3	74.6	64.1	74.7	76.4	76.6	73.8	76.1	76.3	82.6	81.7	82.7	89.5	88.3
Yield/Bushels	38.0	33.9	42.2	43.0	42.9	41.7	39.7	44.0	43.5	41.9	40.0	44.0	47.5	48.0	52.0	49.3	53.1
(Million Bushels)																	
Beginning Stocks	208	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438
Production	2756	2454	3124	3063	3197	2677	2967	3359	3329	3094	3042	3358	3927	3926	4296	4411	4690
Imports	5	6	6	3	9	10	13	15	14	16	41	72	33	24	22	22	25
Total Supply	2969	2638	3242	3322	3656	3261	3185	3512	3495	3325	3252	3570	4052	4141	4515	4734	5153
Use:																	
Crushings	1615	1530	1696	1739	1808	1803	1662	1752	1648	1703	1689	1734	1873	1886	1901	2055	2070
Exports	1045	885	1097	940	1116	1159	1279	1499	1501	1365	1317	1638	1842	1942	2166	2129	2060
Seed	89	92	88	93	80	93	90	90	87	90	89	97	96	97	105	104	103
Residual	41	19	105	101	77	0	16	20	43	-2	16	10	50	18	41	8	34
Total Use	2791	2526	2986	2873	3081	3056	3047	3361	3280	3155	3111	3478	3862	3944	4214	4296	4268
Ending Stocks	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438	885
Ending Stocks, %of Use	6.4	4.4	8.6	15.6	18.6	6.7	4.5	4.5	6.5	5.4	4.5	2.6	4.9	5.0	7.2	10.2	20.7
U.S. Loan Rate	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
U.S. Season Ave																	
Farm Price, \$/Bu.	\$5.53	\$7.34	\$5.74	\$5.66	\$6.43	\$10.10	\$9.97	\$9.59	\$11.30	\$12.50	\$14.40	\$13.00	\$10.10	\$8.95	\$9.47	\$9.33	\$8.60
Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.																	

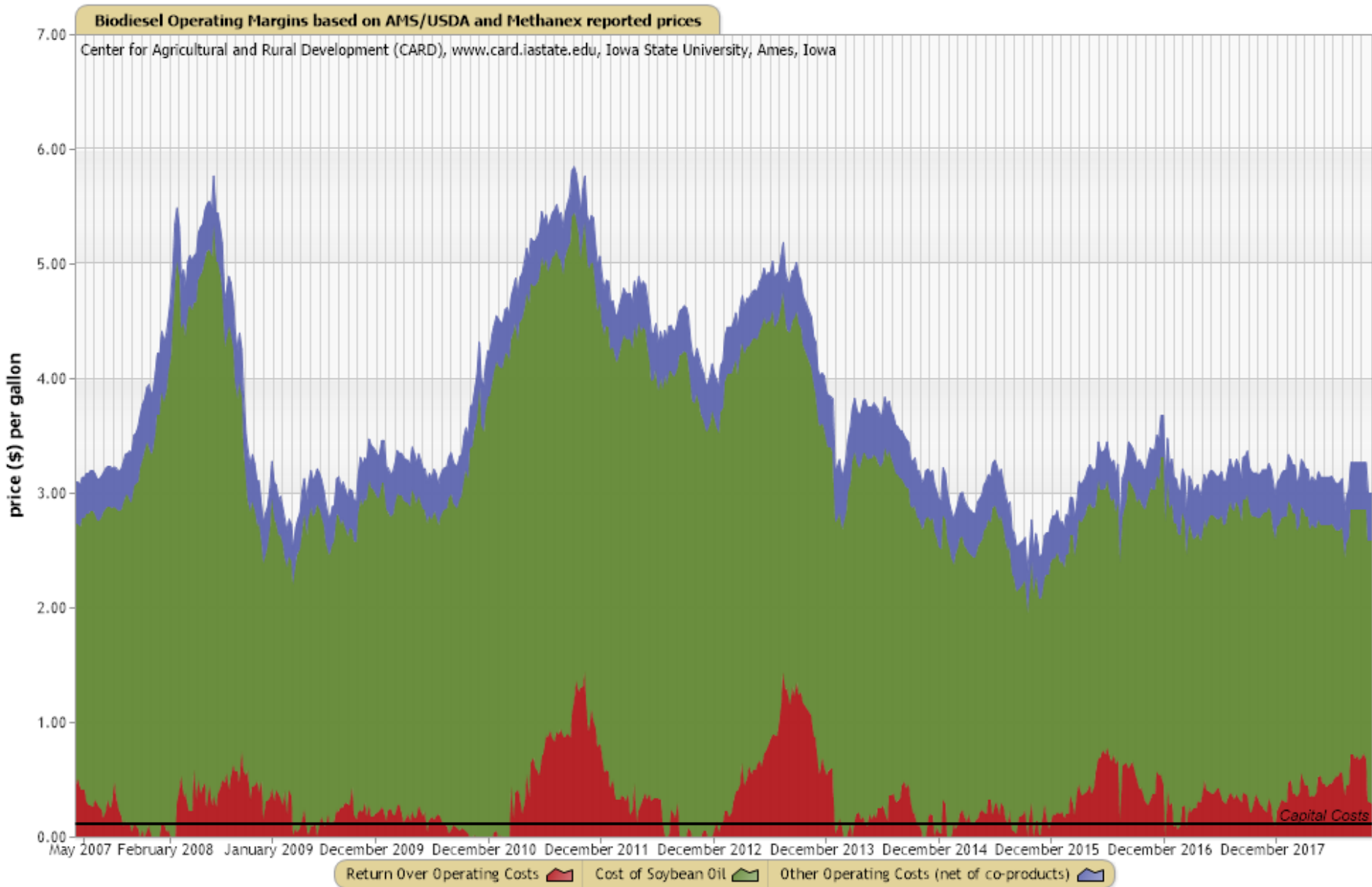
October 2018

WASDE - 582 - 15

U.S. Soybeans and Products Supply and Use (Domestic Measure) 1/

SOYBEAN OIL	2016/1	2017/18 Est.	2018/19 Proj. Sep	2018/19 Proj. Oct
	<i>Million Pounds</i>			
Beginning Stocks	1687	1711	2156	2206
Production 4/	22123	23795	23910	23910
Imports	319	350	300	300
Supply, Total	24129	25856	26366	26416
Domestic Disappearance	19862	21200	22000	22100
Biodiesel 3/	6200	7100	7800	7800
Food, Feed & other Industrial	13662	14100	14200	14300
Exports	2556	2450	2200	2200
Use, Total	22418	23650	24200	24300
Ending stocks	1711	2206	2166	2116
Avg. Price (c/lb) 2/	32.48	30.04	28.00 - 32.00	28.00 - 32.00

Historical Biodiesel Operating Margins



WASDE - 582 - 15

U.S. Soybeans and Products Supply and Use (Domestic Measure) 1/

SOYBEAN MEAL	2016/1	2017/18 Est.	2018/19 Proj. Sep	2018/19 Proj. Oct
	<i>Thousand Short Tons</i>			
Beginning Stocks	264	401	400	400
Production 4/	44787	49199	48950	48950
Imports	350	500	350	350
Supply, Total	45400	50100	49700	49700
Domestic Disappearance	33420	34800	35800	35800
Exports	11580	14900	13500	13500
Use, Total	45000	49700	49300	49300
Ending Stocks	401	400	400	400
Avg. Price (\$/s.t.) 2/	316.88	345.02	290.00 - 330.00	290.00 - 330.00

Note: Totals may not add due to rounding. Reliability calculations at end of report. 1/ Marketing year beginning September 1 for soybeans; October 1 for soybean oil and soybean meal. 2/ Prices:

**TABLE 3
SUPPLY/DEMAND BALANCE SHEET FOR SOYBEANS**

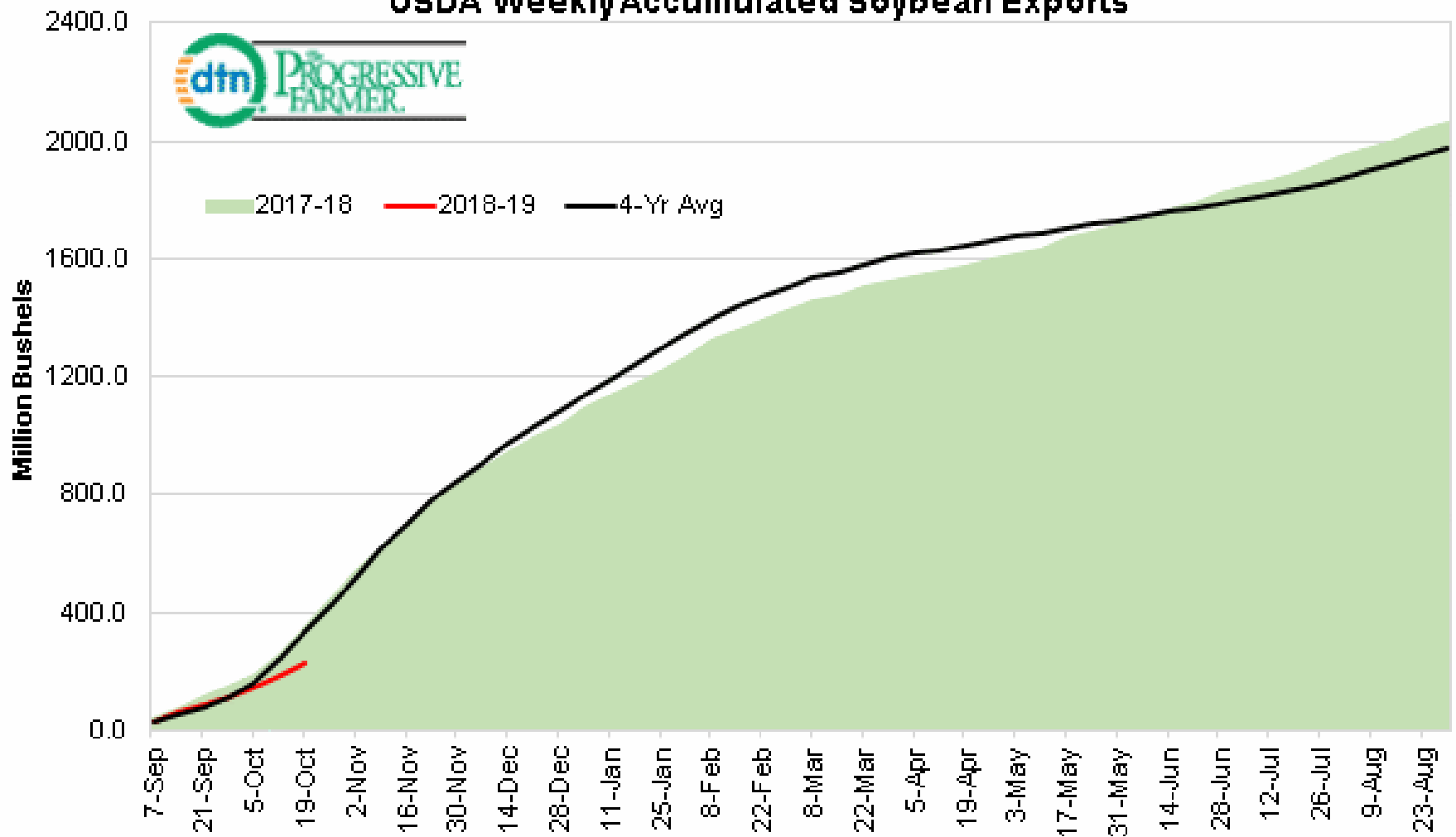
	2002- 2003	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	Est. 2017- 2018	Proj. 2018- 2019
(Million Acres)																	
Acres Planted	74	73.4	75.2	72	75.5	64.7	75.7	77.5	77.4	75.0	77.2	76.8	83.3	82.7	83.4	90.1	89.6
Acres Harvested	72.5	72.3	74.0	71.3	74.6	64.1	74.7	76.4	76.6	73.8	76.1	76.3	82.6	81.7	82.7	89.5	88.3
Yield/Bushels	38.0	33.9	42.2	43.0	42.9	41.7	39.7	44.0	43.5	41.9	40.0	44.0	47.5	48.0	52.0	49.3	53.1
(Million Bushels)																	
Beginning Stocks	208	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438
Production	2756	2454	3124	3063	3197	2677	2967	3359	3329	3094	3042	3358	3927	3926	4296	4411	4690
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Total Supply	2969	2638	3242	3322	3656	3261	3185	3512	3495	3325	3252	3570	4052	4141	4515	4734	5153
Use:																	
Crushings	1615	1530	1696	1739	1808	1803	1662	1752	1648	1703	1689	1734	1873	1886	1901	2055	2070
Exports	1045	885	1097	940	1116	1159	1279	1499	1501	1365	1317	1638	1842	1942	2166	2129	2060
Seed	89	92	88	93	80	93	90	90	87	90	89	97	96	97	105	104	103
Residual	41	19	105	101	77	0	16	20	43	-2	16	10	50	18	41	8	34
Total Use	2791	2526	2986	2873	3081	3056	3047	3361	3280	3155	3111	3478	3862	3944	4214	4296	4268
Ending Stocks	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438	885
Ending Stocks, %of Use	6.4	4.4	8.6	15.6	18.6	6.7	4.5	4.5	6.5	5.4	4.5	2.6	4.9	5.0	7.2	10.2	20.7
U.S. Loan Rate	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
U.S. Season Ave																	
Farm Price, \$/Bu.	\$5.53	\$7.34	\$5.74	\$5.66	\$6.43	\$10.10	\$9.97	\$9.59	\$11.30	\$12.50	\$14.40	\$13.00	\$10.10	\$8.95	\$9.47	\$9.33	\$8.60
Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.																	

World Soybean Production

Country or Region	2017/2018		2018/2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2017/2018
----- Million Tons -----					
World	337.5	0.6	369.5	0.2	32.0
United States	120.0	0.5	127.6	-0.1	7.6
Foreign	217.4	0.1	241.8	0.3	24.4
Argentina	37.8	--	57.0	--	19.2
Brazil	119.8	0.3	120.5	--	0.7
Paraguay	9.8	-0.2	9.8	--	**
Canada	7.7	--	7.5	0.5	-0.2
India	8.4	--	10.3	-0.2	2.0
China	14.2	--	15.0	--	0.8

-- No change.

USDA Weekly Accumulated Soybean Exports



Total export shipments of soybeans for 2018-19 (red line) as of Thursday, October 18 were 226.8 mb, 35% below last year's 351.4 mb (green fill). Based on the four-year average, soybean shipments are typically 17% complete at this time of year, projecting the current total to 1.334 bb, well below USDA's estimate of 2.060 bb. The pace of soybean shipments is bearish in early 2018-19.

- Todd Hultman, DTN Market Analyst

**GRAINS INSPECTED AND/OR WEIGHED FOR EXPORT
 REPORTED IN WEEK ENDING OCT 18, 2018
 -- METRIC TONS --**

GRAIN	----- 10/18/2018	WEEK ENDING 10/11/2018	----- 10/19/2017	CURRENT MARKET YEAR TO DATE	PREVIOUS MARKET YEAR TO DATE
BARLEY	0	294	734	4,037	15,248
CORN	949,168	1,011,355	636,029	7,823,167	4,548,339
FLAXSEED	0	24	0	194	3,769
MIXED	0	0	0	0	24
OATS	0	0	699	1,294	3,893
RYE	0	0	0	0	0
SORGHUM	9,407	50,857	74,288	131,748	444,601
SOYBEANS	1,148,566	1,209,870	2,593,380	5,936,483	9,843,872
SUNFLOWER	0	0	0	0	0
WHEAT	385,047	458,470	172,615	8,208,838	10,823,128

U.S. EXPORT SALES FOR WEEK ENDING 10/18/2018

	Weekly		Total	Prev	New Crop	
	Sales Unshipped			Year	Weekly	
	(in million bushels)				Sales Unshipped	
--GRAINS--						
Corn	13.8	509.7	844.0	638.4	1.1	3.9
Sorghum	2.2	5.6	8.4	58.6	0.0	0.0
Soybeans	7.8	546.8	773.6	1,044.1	0.0	3.4
All Wheat	16.3	171.4	461.4	557.1	0.2	0.2
Durum	0.9	3.6	12.4	9.3	0.0	0.0
Hard Red Spring	6.8	58.9	146.3	158.6	0.0	0.0
Hard Red Winter	6.0	48.6	131.3	205.4	0.0	0.0
Soft Red Winter	0.9	22.4	56.8	54.4	0.2	0.2
White	1.6	37.9	114.6	129.4	0.0	0.0
--OTHER--	(in thousand metric tons)					
Soyoil	26.3	169.3	202.5	140.9	0.0	0.2
Soymeal	203.0	3,783.0	4,255.1	3,750.8	0.1	91.1
Rice	67.6	416.7	971.5	982.6	0.0	0.0

World Soybean Supply and Use

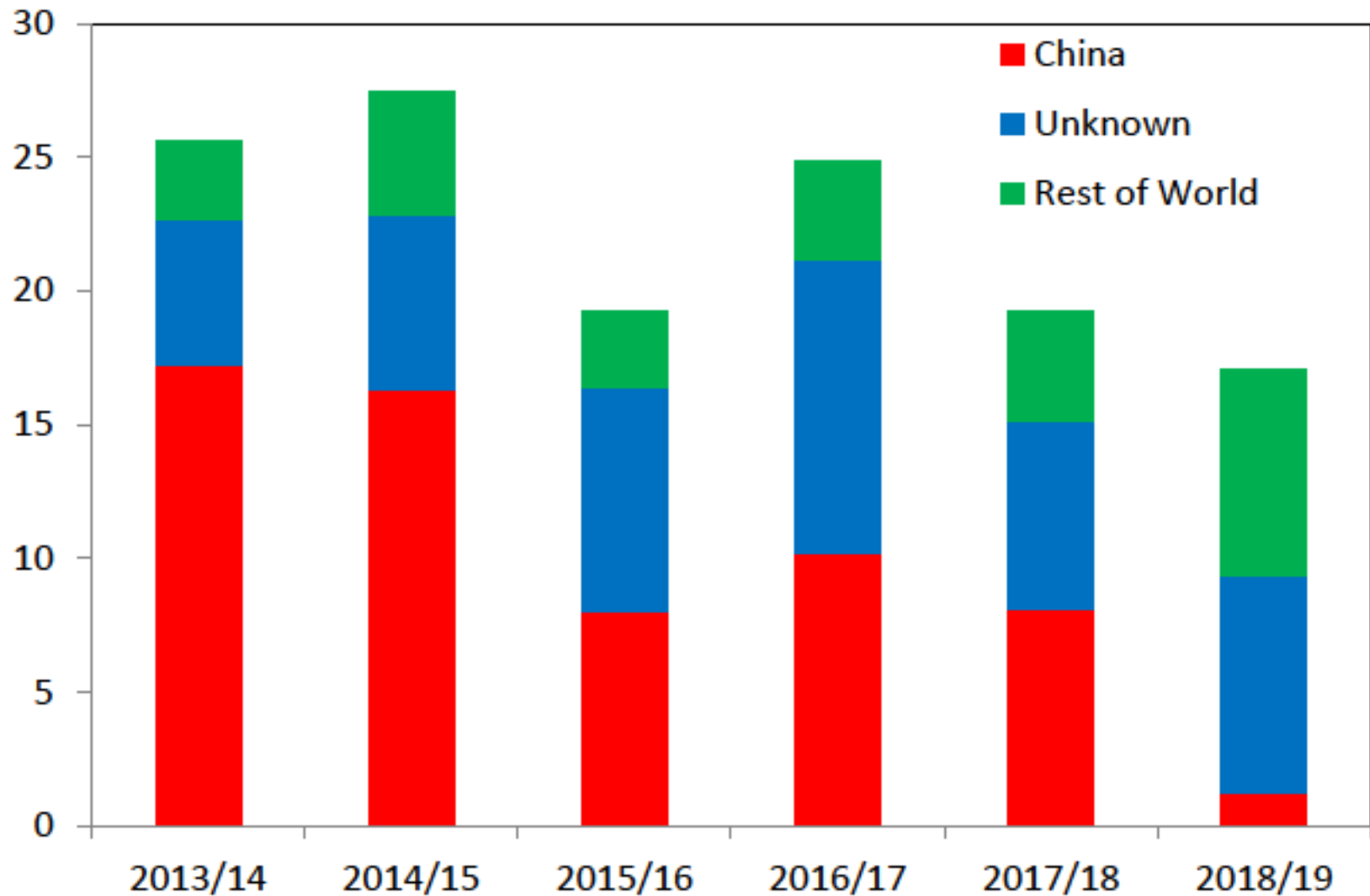
Item	2017/2018		2018/2019		
	Estimate	Change from September 10	Forecast	Change from September 10	Change from 2017/2018
----- Million Tons -----					
Beginning stocks	96.7	**	96.7	1.9	**
Production	337.5	0.6	369.5	0.2	32.0
Total Supply	434.1	0.6	466.1	2.1	32.0
Crush	294.1	0.4	308.2	--	14.1
Total use	336.8	-0.2	353.0	**	16.2
Trade	153.1	-0.5	157.4	0.5	4.3
Ending Stocks	96.7	1.9	110.0	1.8	13.4
Addendum					
Beginning stocks					
Argentina plus Brazil	61.9	**	56.2	0.5	-5.8
Imports*					
China	94.0	--	94.0	--	--

*From all sources.

-- No change. ** Rounds to zero.

2018/19 Soybean Outstanding Sales, As of September 27

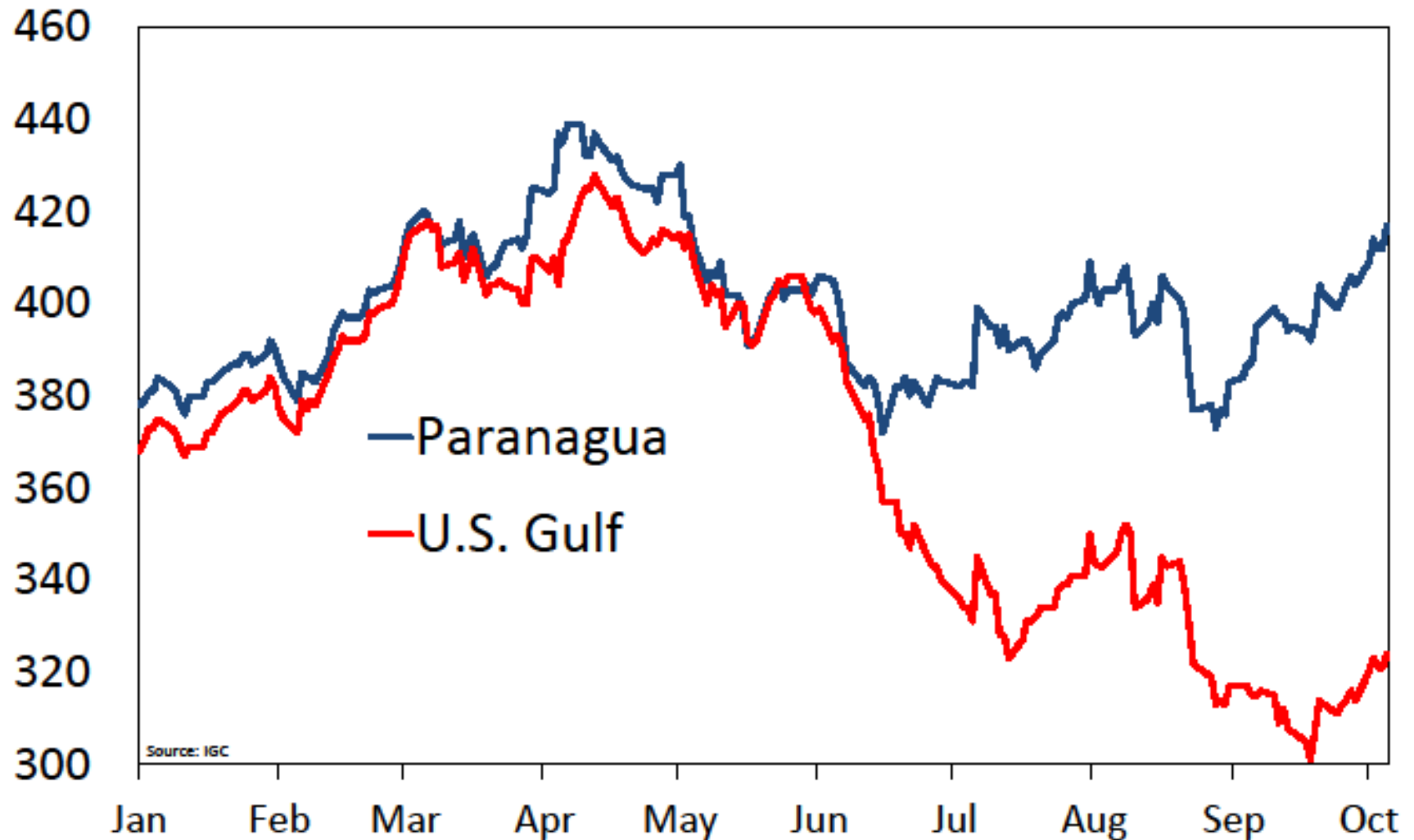
Million Metric Tons



October 11, 2018

U.S. and Brazilian Soybean Prices

\$/MT

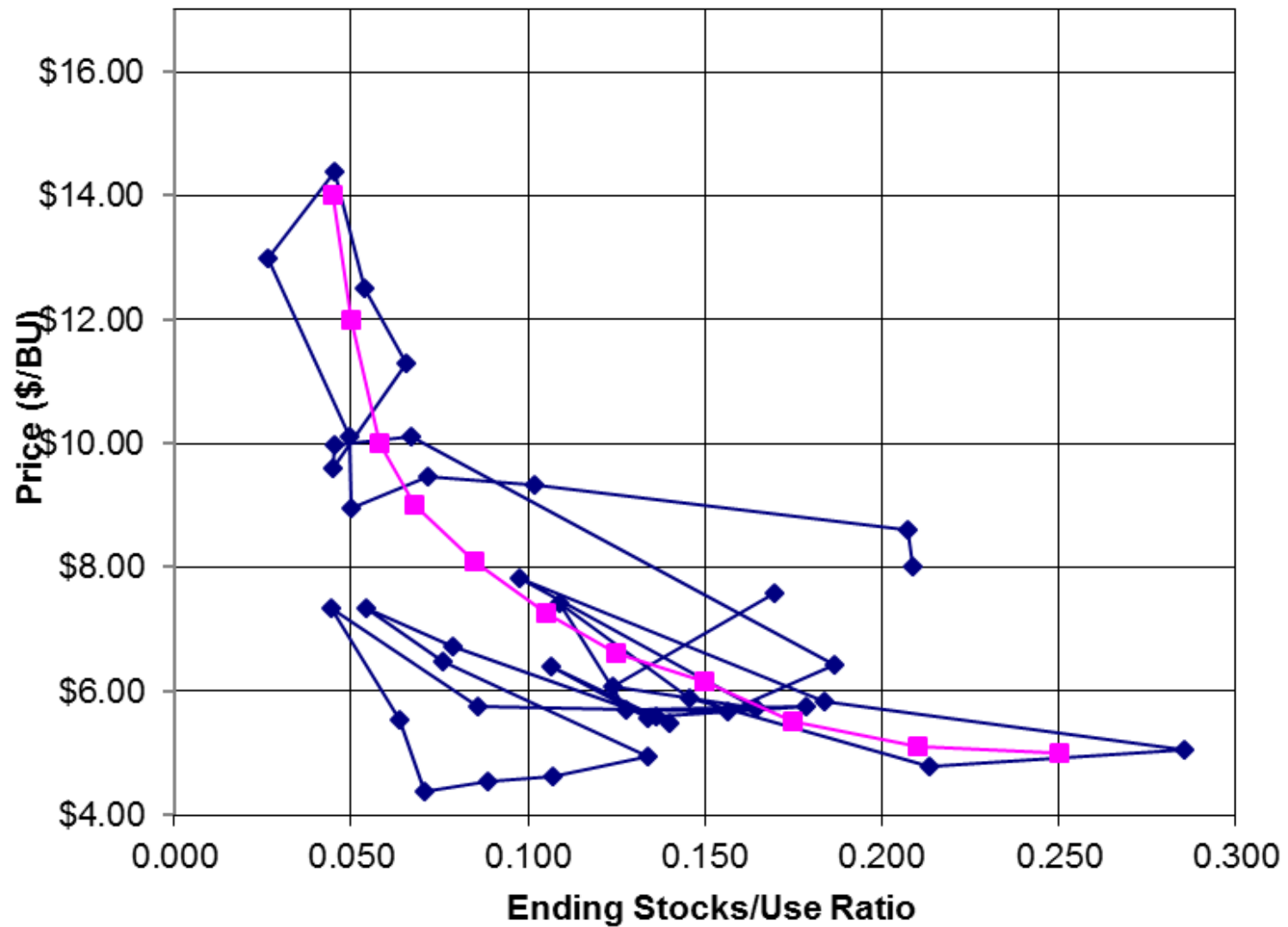


October 11, 2018

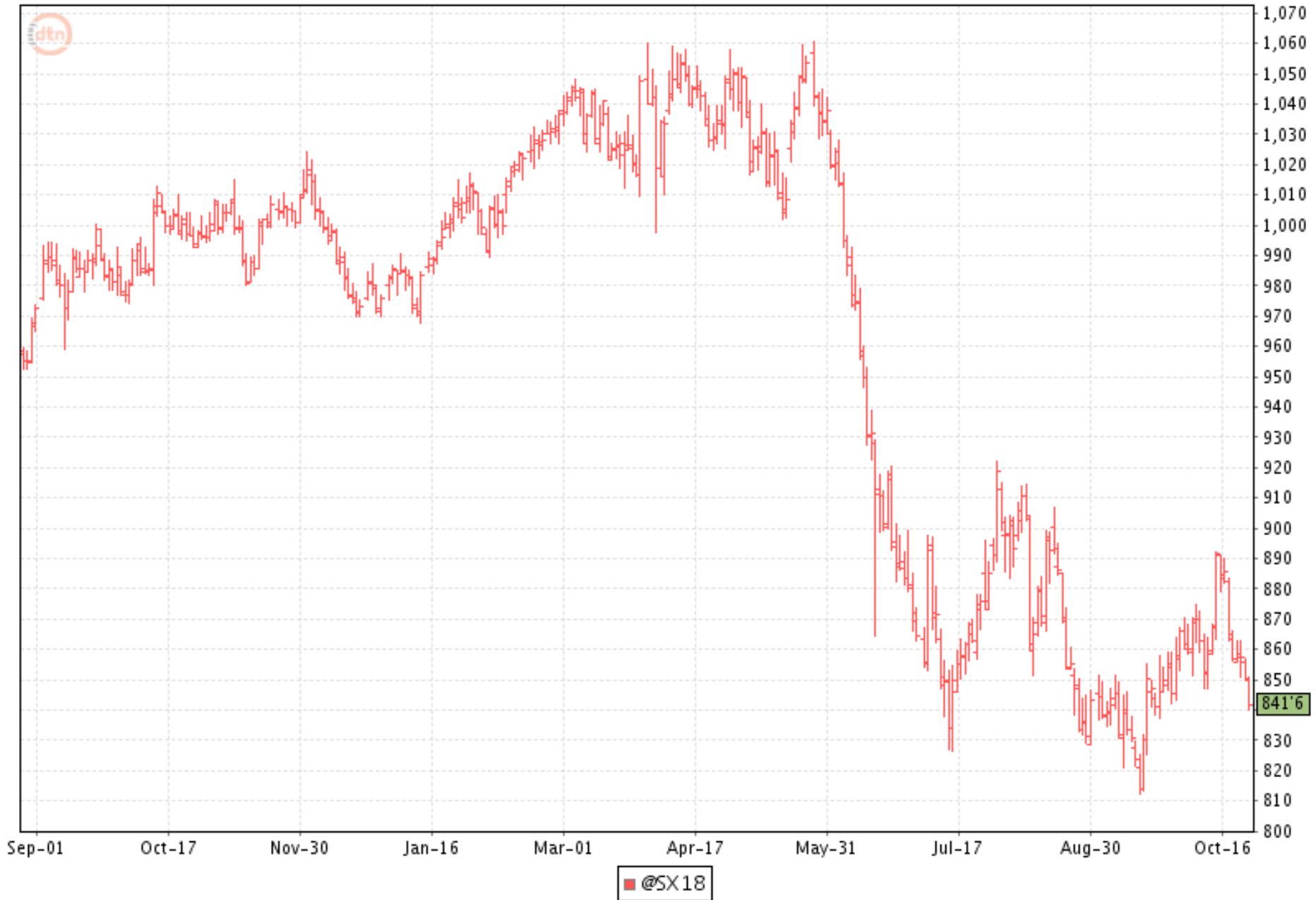
**TABLE 3
SUPPLY/DEMAND BALANCE SHEET FOR SOYBEANS**

	2002- 2003	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	Est. 2017- 2018	Proj. 2018- 2019
(Million Acres)																	
Acres Planted	74	73.4	75.2	72	75.5	64.7	75.7	77.5	77.4	75.0	77.2	76.8	83.3	82.7	83.4	90.1	89.6
Acres Harvested	72.5	72.3	74.0	71.3	74.6	64.1	74.7	76.4	76.6	73.8	76.1	76.3	82.6	81.7	82.7	89.5	88.3
Yield/Bushels	38.0	33.9	42.2	43.0	42.9	41.7	39.7	44.0	43.5	41.9	40.0	44.0	47.5	48.0	52.0	49.3	53.1
(Million Bushels)																	
Beginning Stocks	208	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438
Production	2756	2454	3124	3063	3197	2677	2967	3359	3329	3094	3042	3358	3927	3926	4296	4411	4690
Imports	5	6	6	3	9	10	13	15	14	16	41	72	33	24	22	22	25
Total Supply	2969	2638	3242	3322	3656	3261	3185	3512	3495	3325	3252	3570	4052	4141	4515	4734	5153
Use:																	
Crushings	1615	1530	1696	1739	1808	1803	1662	1752	1648	1703	1689	1734	1873	1886	1901	2055	2070
Exports	1045	885	1097	940	1116	1159	1279	1499	1501	1365	1317	1638	1842	1942	2166	2129	2060
Seed	89	92	88	93	80	93	90	90	87	90	89	97	96	97	105	104	103
Residual	41	19	105	101	77	0	16	20	43	-2	16	10	50	18	41	8	34
Total Use	2791	2526	2986	2873	3081	3056	3047	3361	3280	3155	3111	3478	3862	3944	4214	4296	4268
Ending Stocks	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438	885
Ending Stocks, %of Use	6.4	4.4	8.6	15.6	18.6	6.7	4.5	4.5	6.5	5.4	4.5	2.6	4.9	5.0	7.2	10.2	20.7
U.S. Loan Rate	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
U.S. Season Ave																	
Farm Price, \$/Bu.	\$5.53	\$7.34	\$5.74	\$5.66	\$6.43	\$10.10	\$9.97	\$9.59	\$11.30	\$12.50	\$14.40	\$13.00	\$10.10	\$8.95	\$9.47	\$9.33	\$8.60
Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.																	

U.S. Soybean Price vs Ending Stocks/Use Ratio 1980 - 2018



November 2018 Soybean Futures



■ @SX18

Soybean Futures 10 - 26 -18 Early

Contract	Last	Change	Open	High	Low
Nov '18	843-6	+2-0	842-0	845-0	841-0
Jan '19	856-4	+2-0	854-6	857-4	853-6
Mar '19	869-4	+1-4	868-0	870-6	867-0
May '19	883-6	+1-6	882-0	884-6	881-0
Jul '19	895-4	+1-6	893-6	896-2	892-6
Aug '19	900-4	+2-2	898-2	900-6	898-0
Sep '19	901-4	-9-0	907-0	907-0	898-6
Nov '19	909-0	+1-2	907-6	910-2	907-2
Jan '20	921-0	+2-2	921-0	921-0	921-0
Mar '20	926-2s				
May '20	933-4s				
Jul '20	943-6s				
Aug '20	944-4s				
Sep '20	940-4s				

TABLE 3

SUPPLY/DEMAND BALANCE SHEET FOR SOYBEANS

	2002-	2003-	2004-	2005-	2006-	2007-	2008-	2009-	2010-	2011-	2012-	2013-	2014-	2015-	2016-	Est.	Proj.	Hilker	
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2017-	2018-	2019-	
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
(Million Acres)																			
Acres Planted	74	73.4	75.2	72	75.5	64.7	75.7	77.5	77.4	75.0	77.2	76.8	83.3	82.7	83.4	90.1	89.6	87.5	
Acres Harvested	72.5	72.3	74.0	71.3	74.6	64.1	74.7	76.4	76.6	73.8	76.1	76.3	82.6	81.7	82.7	89.5	88.3	86.6	
Yield/Bushels	38.0	33.9	42.2	43.0	42.9	41.7	39.7	44.0	43.5	41.9	40.0	44.0	47.5	48.0	52.0	49.3	53.1	49.7	
(Million Bushels)																			
Beginning Stocks	208	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438	885	
Production	2756	2454	3124	3063	3197	2677	2967	3359	3329	3094	3042	3358	3927	3926	4296	4411	4690	4305	
Imports	5	6	6	3	9	10	13	15	14	16	41	72	33	24	22	22	25	21	
Total Supply	2969	2638	3242	3322	3656	3261	3185	3512	3495	3325	3252	3570	4052	4141	4515	4734	5153	5211	
Use:																			
Crushings	1615	1530	1696	1739	1808	1803	1662	1752	1648	1703	1689	1734	1873	1886	1901	2055	2070	2080	
Exports	1045	885	1097	940	1116	1159	1279	1499	1501	1365	1317	1638	1842	1942	2166	2129	2060	2100	
Seed	89	92	88	93	80	93	90	90	87	90	89	97	96	97	105	104	103	101	
Residual	41	19	105	101	77	0	16	20	43	-2	16	10	50	18	41	8	34	30	
Total Use	2791	2526	2986	2873	3081	3056	3047	3361	3280	3155	3111	3478	3862	3944	4214	4296	4268	4311	
Ending Stocks	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438	885	900	
Ending Stocks, %of Use	6.4	4.4	8.6	15.6	18.6	6.7	4.5	4.5	6.5	5.4	4.5	2.6	4.9	5.0	7.2	10.2	20.7	20.9	
U.S. Loan Rate	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	
U.S. Season Ave Farm Price, \$/Bu.	\$5.53	\$7.34	\$5.74	\$5.66	\$6.43	\$10.10	\$9.97	\$9.59	\$11.30	\$12.50	\$14.40	\$13.00	\$10.10	\$8.95	\$9.47	\$9.33	\$8.60	\$8.00	

Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.

Soybean Yields 1978-2018

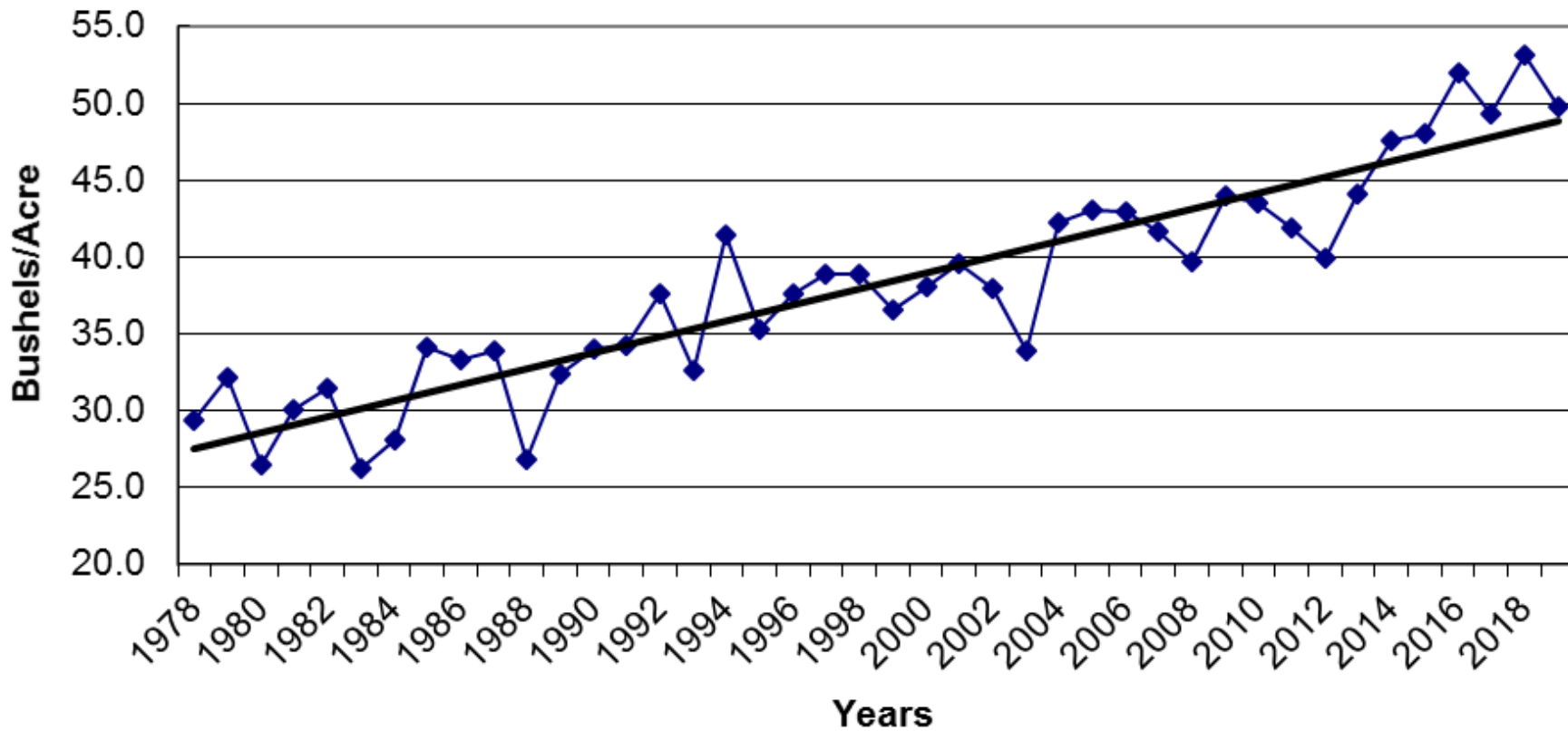
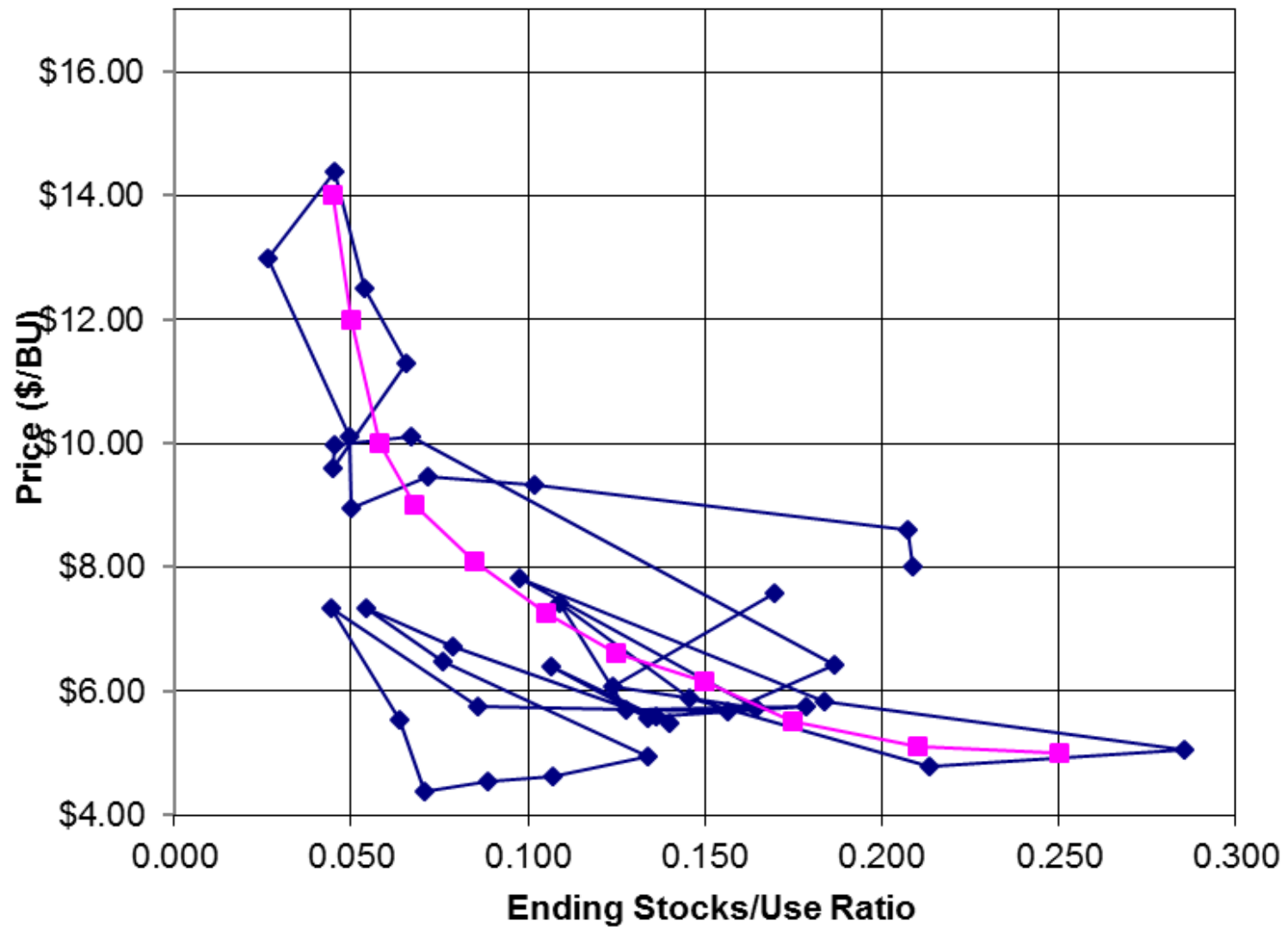


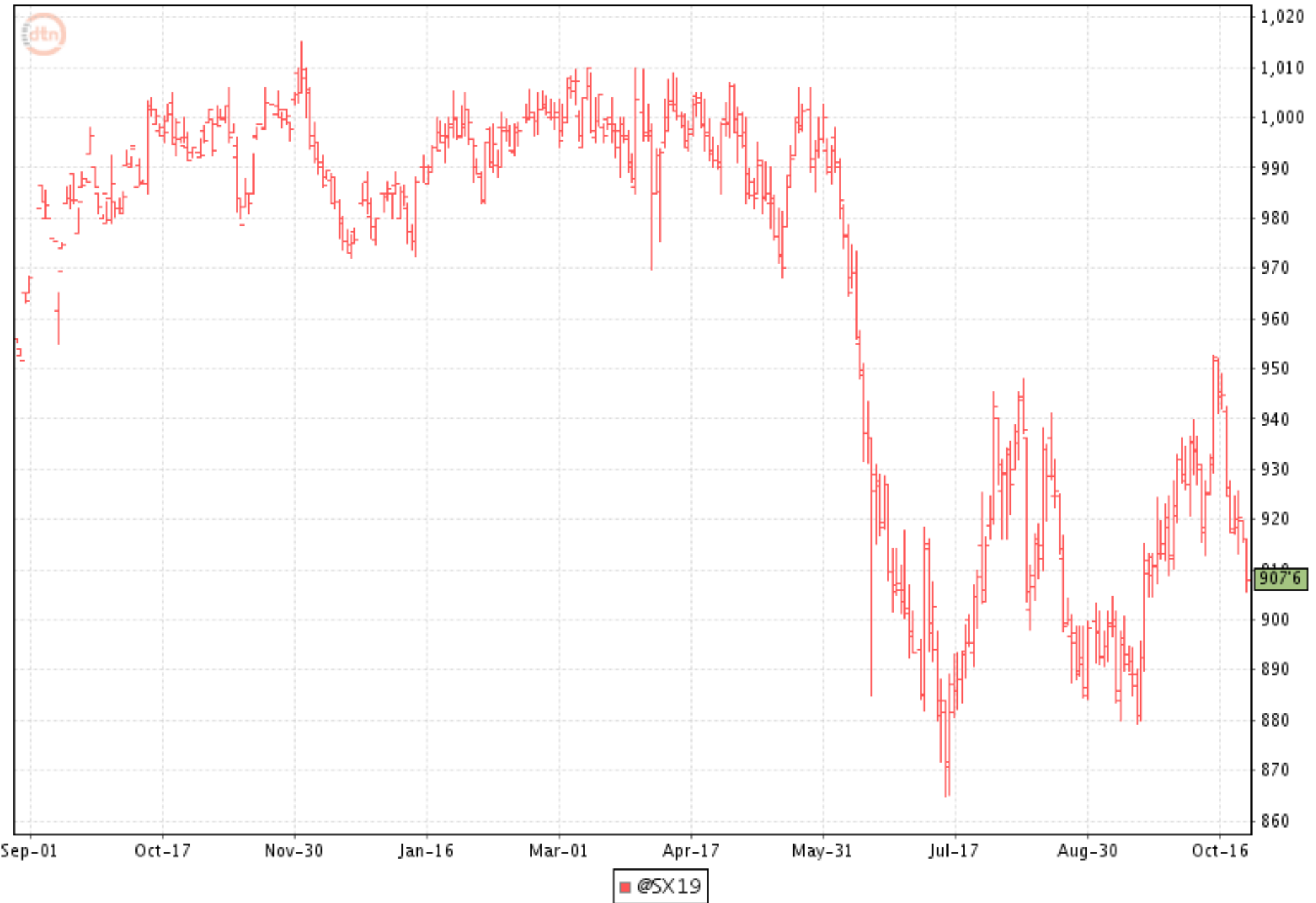
TABLE 3
SUPPLY/DEMAND BALANCE SHEET FOR SOYBEANS

	2002- 2003	2003- 2004	2004- 2005	2005- 2006	2006- 2007	2007- 2008	2008- 2009	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015	2015- 2016	2016- 2017	Est. 2017- 2018	Proj. 2018- 2019	Hilker 2019- 2020
(Million Acres)																		
Acres Planted	74	73.4	75.2	72	75.5	64.7	75.7	77.5	77.4	75.0	77.2	76.8	83.3	82.7	83.4	90.1	89.6	87.5
Acres Harvested	72.5	72.3	74.0	71.3	74.6	64.1	74.7	76.4	76.6	73.8	76.1	76.3	82.6	81.7	82.7	89.5	88.3	86.6
Yield/Bushels	38.0	33.9	42.2	43.0	42.9	41.7	39.7	44.0	43.5	41.9	40.0	44.0	47.5	48.0	52.0	49.3	53.1	49.7
(Million Bushels)																		
Beginning Stocks	208	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438	885
Production	2756	2454	3124	3063	3197	2677	2967	3359	3329	3094	3042	3358	3927	3926	4296	4411	4690	4305
Imports	5	6	6	3	9	10	13	15	14	16	41	72	33	24	22	22	25	21
Total Supply	2969	2638	3242	3322	3656	3261	3185	3512	3495	3325	3252	3570	4052	4141	4515	4734	5153	5211
Use:																		
Crushings	1615	1530	1696	1739	1808	1803	1662	1752	1648	1703	1689	1734	1873	1886	1901	2055	2070	2080
Exports	1045	885	1097	940	1116	1159	1279	1499	1501	1365	1317	1638	1842	1942	2166	2129	2060	2100
Seed	89	92	88	93	80	93	90	90	87	90	89	97	96	97	105	104	103	101
Residual	41	19	105	101	77	0	16	20	43	-2	16	10	50	18	41	8	34	30
Total Use	2791	2526	2986	2873	3081	3056	3047	3361	3280	3155	3111	3478	3862	3944	4214	4296	4268	4311
Ending Stocks	178	112	256	449	574	205	138	151	215	169	141	92	191	197	302	438	885	900
Ending Stocks, %of Use	6.4	4.4	8.6	15.6	18.6	6.7	4.5	4.5	6.5	5.4	4.5	2.6	4.9	5.0	7.2	10.2	20.7	20.9
U.S. Loan Rate	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00
U.S. Season Ave Farm Price, \$/Bu.	\$5.53	\$7.34	\$5.74	\$5.66	\$6.43	\$10.10	\$9.97	\$9.59	\$11.30	\$12.50	\$14.40	\$13.00	\$10.10	\$8.95	\$9.47	\$9.33	\$8.60	\$8.00
Source: USDA/WASDE (10 - 11 - 18) and Jim Hilker.																		

U.S. Soybean Price vs Ending Stocks/Use Ratio 1980 - 2018



Nov 2019 Soybean Futures



Five Year Price Forecasts

	Five Year Price Forecasts										
					Corn						
	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23		
USDA Ag Outlook 2/18	3.70	3.61	3.36	3.36	3.50	3.35	3.35	3.40	3.40		
WASDE 10/11/18	3.70	3.61	3.36	3.36	3.50						
CBO Baseline 4/9/18	3.70	3.61	3.36	3.36	3.25	3.52	3.66	3.76	3.72		
FAPRI 8/18	3.70	3.61	3.36	3.36	3.62	3.83	3.85	3.87	3.75		
Futures 10/25/18	3.70	3.61	3.36	3.36	3.43	3.75	3.90				
Hilker 10/25/18	3.70	3.61	3.36	3.36	3.45	3.60	3.80	3.85	3.90		
Composite	3.70	3.61	3.36	3.36	3.46	3.61	3.71	3.72	3.69		
					Soybeans						
	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2021/22		
USDA Ag Outlook 2/18	10.10	8.95	9.47	9.33	8.60	9.45	9.45	9.50	9.50		
WASDE 10/11/18	10.10	8.95	9.47	9.33	8.60						
CBO Baseline 4/9/18	10.10	8.95	9.47	9.33	9.35	9.67	9.81	9.67	9.69		
FAPRI 8/18	10.10	8.95	9.47	9.33	8.73	8.95	9.29	9.39	9.23		
Futures 10/25/18	10.10	8.95	9.47	9.33	8.20	8.40	8.85	9.20			
Hilker 10/25/18	10.10	8.95	9.47	9.33	8.15	8.00	9.02	9.24	9.36		
Composite	10.10	8.95	9.47	9.33	8.61	8.89	9.28	9.40	9.45		
					Wheat						
	2014/15	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2021/22		
USDA Ag Outlook 2/18	5.99	4.89	3.89	4.72	5.10	4.80	4.90	5.00	5.10		
WASDE 10/11/18	5.99	4.89	3.89	4.72	5.10						
CBO Baseline 4/9/18	5.99	4.89	3.89	4.72	4.99	5.10	5.11	5.11	5.11		
FAPRI 8/18	5.99	4.89	3.89	4.72	5.12	5.11	5.16	5.21	5.16		
Futures 10/25/18	5.99	4.89	3.89	4.72	5.07	5.11	5.43				
Hilker 10/25/18	5.99	4.89	3.89	4.72	5.10	5.35	5.15	5.11	5.12		
Composite	5.99	4.89	3.89	4.72	5.08	5.09	5.15	5.11	5.12		

Thanks

Questions/Discussion

Jim Hilker's Web Page

<http://www.msu.edu/user/hilker/>

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