Commodity Market Outlook

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Market Outlook Reports For August 20, 2017

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CORN

Lots of information, from lots of directions, on what the size of the 2017 U.S. corn crop will be, my guess is the September USDA corn crop production projection will differ meaningfully from the August 10 report projection, but not because of any error on the USDA's part, but because of new information. Remember, the USDA/NASS does not make up these numbers; the reports are based on farmer surveys, farmers reporting expected yields, and an objective yield survey, where enumerators make counts and measurements, at eventual harvest sample plots across the ten major corn growing states. Early in the season the farmer surveys tend to have more weight than the sample plots. The August survey was conducted the last few days of July and the first few of August. It provides a base for the market to add information to until the next report.

On August 10 the USDA released their first survey based 2017 corn yield projection, which when combined with the June Acreage Report gave us the first USDA 2017 corn crop production projection. The report indicated a U.S. corn yield of 169.5 bu/ac. When combined with the estimated harvested acres of 83.5 million acres gives us projected corn production of 14,153 million bushels. If it happens, it will be the third largest crop on record, almost tied for second largest. The trade was expecting a yield closer to 166 bu/ac and production of 13,840 million bushels. My guess is it will end up somewhere in between, as droughty areas continued dry well into August.

Michigan's yield was projected to be what would be a record 170 bu/ac, the previous record was 162 bu/ac. Seems high given the dryness in central Michigan, and crops were pretty good over

the whole state when we set the previous record. Producers north of Lansing and through the thumb must feel they are having enormous crops for the farmer survey to show a yield of 170 bu/ac.

As shown on Table 1, the total 2017-18 total supply projection is expected to be 16,573 million bushels, second largest on record. A large part of that will be the huge beginning stocks of 2,370 left over from 2016-17. Total use is also expected to be the second highest on record at 14,300 million bushels. This should draw down stocks marginally.

If prices have remained near the level as I write, Dec futures \$3.66, or lower, consider holding off any more forward pricing unless we have a rally, especially if you have priced a bunch of corn one or more of the four periods since January we could price 2017 corn with Dec futures over \$4.00.

WHEAT

As you might think, the USDA/NASS August wheat projections were much closer to expectations, as this is the third monthly crop projection for winter wheat, and second for spring and durum wheat. All wheat production, at 1,739 million bushels, is down 25 percent from 2016. Based on August 1 conditions, the United States yield is forecast at 45.6 bushels per acre, down 7 bushels from last year. All wheat planted was the lowest since records began in 1919.

Winter wheat production is forecast at 1,290 million bushels, down 23 percent from 2016. The yield is forecast at 50.0 bushels per acre, down 5.3 bushels from last year, but the second highest on record. The area expected to be harvested totals 25.8 million acres, down 15 percent from last year.

Hard Red Winter production, at 758 million bushels, is up less than 1 percent from last month. Soft Red Winter, at 306 million bushels, is up less than 1 percent from the July forecast. White Winter, at 223 million bushels, is up 3 percent from last month. Of the White Winter production, 18.8 million bushels are Hard White and 204 million bushels are Soft White.

Durum wheat production is forecast at 50.5 million bushels, down 12 percent from the July 1 forecast as the nasty drought continued and down 51 percent from 2016. The United States yield is forecast at 27.2 bushels per acre, and down 16.8 bushels from last year.

Other spring wheat production is forecast at 402 million bushels, down 5 percent from the July 1 forecast, again as the drought continued in much of the spring wheat areas, and down 25 percent from last year. The United States yield is forecast at 38.3 bushels per acre, and down 8.9 bushels from last year.

See Table 2 for the total supply and use number from the USDA/WASDE August 10 update. Production is expected to be down 570, the 25%, but total supply will only be down 330 million bushels from last year as carry in stocks will be up 209 million bushels. However, projected use is only down 78 million, so ending stocks are projected to be down 252 million bushels. This lowers ending stocks to use from last's years 53.4 % to 43.6 %. The problem is, rest of the world production is up, and projected world ending stocks are projected to be up.

SOYBEANS

On August 10 the USDA also released their first survey based 2017 soybean yield projection, which when combined with the June Acreage Report gave us the first USDA 2017 soybean crop production projection. The report indicated a U.S. soybean yield of 49.4 bu/ac., down from last's year's record, but would be the second highest on record. When combined with the estimated record harvested acres of 88.7 million acres, up 6 million acres, gives us projected record soybean production of 4381 million bushels. The trade was expecting a yield closer to 47.4 bu/ac and production of 4,200 million bushels, which would be the second largest crop on record. August makes soybeans, so we'll see.

Michigan's 2017 projected soybean yield from the farmer survey is 49 bu/ac. Down 1.5 bu/ac from last year's record, but tied for the second highest with the 2015/16 yield. Again, August makes soybeans, but given we planted a record 2,300,000 acres of soybeans, over 200,000 acres more than we have ever planted, we are going to have a big soybean crop in Michigan even if the final yield comes in lower.

So when you add a record crop to a huge beginning inventory, you have a huge total supply for 2017-18 as shown on Table 3. So how about projected use? The USDA/WASDE is also projecting record soybean use for 2017-18, 143 million bushels more than this marketing year which ends August 31. The problem is that total supply is projected to be up 248 million bushels. This means even larger projected ending stocks.

As with corn, soybean futures as I write are near recent lows, Nov \$9.38. At his point, consider watching for a rally for further forward pricing of 2017 soys, especially if you have priced a meaningful amount on the previously 5 price rallies since last harvest where you could price November 2017 soybean futures over \$10.25.

						TAB	LE 1									
			SUP	PLY/DI	EMAN	BALA	NCE S	HEET	FOR (CORN						
	***************************************	***************************************		***************************************	***************************************		***************************************	***************************************	***************************************						Est.	Proi
	2002-	2003-	2004-	2005-	2006-	2007-	2008-	2009-	2010-	2011-	2012-	2013-	2014-	2015-	2016-	
	2003	2004	2005		2007	2008	2009	2010		2012				2016		201
(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.
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	80.7	86.7	83.
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	169.
(million bushels)	••••••	••••••	••••••		••••••	••••••	••••••			•••••	•••••	•••••		•••••		
Beginning Stocks	1596	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2370
Production	8967	10089	11807	11114	10531	13038	12092	13092	12447	12360	10755	13829	14216	13602	15148	1415
Imports	14	14	11	9	12	20	14	8	28	29	160	36	32	68	55	50
Total Supply	10578	11190	12776	13237	12510	14362	13729	14774	14182	13517	11904	14686	15479	15401	16940	1657
Use:																
Feed & Residual	5563	5798	6158	6155	5591	5913	5182	5125	4795	4557	4315	5040	5280	5113	5425	5450
Food, Seed & Ind	2340	2537	2686	2981	3490	4387	5025	5961	6426	6428	6038	6493	6601	6650	6920	700
Ethanol for fuel	996	1168	1323	1603	2119	3049	3709	4591	5019	5000	4641	5124	5200	5224	5450	5500
Total Domestic	7903	8335	8844	9136	9081	10300	10207	11086	11221	10985	10353	11534	11881	11763	12345	12450
Exports	1588	1897	1818	2134	2125	2437	1849	1980	1834	1543	730	1920	1867	1901	2225	1850
Total Use	9491	10232	10662	11270	11206	12737	12056	13066	13055	12528	11083	13454	13748	13664	14570	1430
Ending Stocks	1087	958	2114	1967	1304	1624	1673	1708	1128	989	821	1232	1731	1737	2370	227
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	16.3	15.9
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	\$1.9
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	\$3.35	\$3.30
Source: USDAWA	SDE a	nd Jin	ı Hilke	r. (8 - ′	10 - 17											

					T	ABLE	2								
		SU	PPLY/	DEMAN	ND BAL	ANCE	SHEET	FOR	WHEAT	•					
														Est.	Proj
	2003-	2004-	2005-	2006-	2007-	2008-	2009-	2010-	2011-	2012-	2013-	2014-	2015-	2016-	2017
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	201
(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	50.2	45.
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	38.
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	52.6	45.0
(Million Bushels)															
Beginning Stocks	491	546	540	571	456	306	657	976	862	743	718	590	752	976	118
Production	2345	2158	2105	1808	2051	2499	2218	2207	1999	2252	2135	2026	2062	2310	1739
Imports	68	71	82	122	113	127	119	97	112	123	173	151	113	118	140
Total Supply	2904	2775	2727	2501	2620	2932	2993	3279	2974	3118	3026	2768	2927	3403	306
Use:															
Food	907	910	915	938	948	927	919	926	941	951	955	958	957	949	950
Seed	80	78	78	82	88	78	69	71	76	73	77	79	67	61	60
Feed and Residual	212	182	160	117	16	255	150	132	162	364	228	114	149	154	150
Total Domestic	1194	1169	1152	1137	1051	1260	1138	1128	1180	1388	1260	1151	1174	1164	116
Exports	1159	1066	1003	908	1263	1015	879	1289	1051	1012	1176	864	778	1055	97
Total Use	2353	2235	2155	2045	2314	2275	2018	2417	2231	2400	2436	2015	1951	2219	214 ⁻
Ending Stocks	546	540	571	456	306	657	976	862	743	718	590	752	976	1184	933
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	53.4	43.0
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	\$2.7
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	\$4.8

							BLE 3									
			SUPP	LY/DE	MAND	BALAN	ICE SH	IEET F	OR SO	YBEAN	IS					
	***************************************	***************************************	***************************************	•			***************************************	***************************************	***************************************	***************************************		***************************************	900000000000000000000000000000000000000	***************************************	Est.	Pro
	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 201
(Million Acres)	2000	200-		2000			2000	20.0				2017	2010	20.0		
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	89.
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	88.
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	52.1	49.
(Million Bushels)																
Beginning Stocks	208	178	112	256	449	574	205	138	151	215	169	141	92	191	197	37
Production	2756	2454	3124	3063	3197	2677	2967	3359	3329	3094	3042	3358	3927	3926	4307	438
Imports	5	6	6	3	9	10	13	15	14	16	41	72	33	24	25	2
Total Supply	2969	2638	3242	3322	3656	3261	3185	3512	3495	3325	3252	3570	4052	4140	4529	477
Use:																
Crushings	1615	1530	1696	1739	1808	1803	1662	1752	1648	1703	1689	1734	1873	1886	1890	194
Exports	1045	885	1097	940	1116	1159	1279	1499	1501	1365	1317	1638	1842	1942	2150	222
Seed	89	92	88	93	80	93	90	90	87	90	89	97	96	97	104	10
Residual	41	19	105	101	77	0	16	20	43	-2	16	10	50	18	14	3
Total Use	2791	2526	2986	2873	3081	3056	3047	3361	3280	3155	3111	3478	3862	3944	4158	430
Ending Stocks	178	112	256	449	574	205	138	151	215	169	141	92	191	197	371	47
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	8.9	11.
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	\$5.0
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	\$9.50	\$9.3