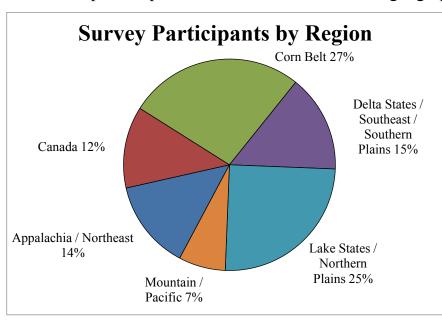
Ag Equipment Intelligence

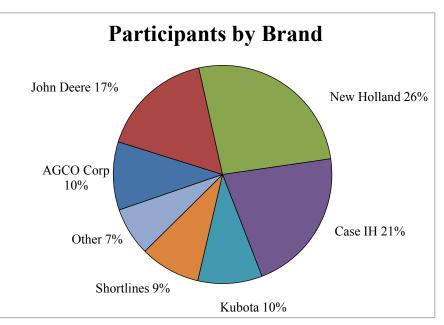
February 2018 Dealer Sentiments & Business Conditions Update

Monthly Ag Equipment Intelligence North American Dealer Survey

Background:

- We are pleased to announce the results of the January Ag Equipment Intelligence survey conducted in partnership with Cleveland Research Company. We hope this monthly survey will provide valuable and timely insight into industry trends and fundamentals.
- The January survey had ~170 respondents representing combined annual revenues of roughly \$6 billion. Participants represent a broad cross section of geographies and brands are summarized in the charts below.





Appalachia / Northeast – CT, DE, KY, MA, MD, ME, NC, NH, NY, NJ, PA, RI, TI, TN, VA, VT, WV, Corn Belt – IL, IN, IA, MO, OH, Delta States / Southeast / Southern Plains – AL, AR, FL, GA, LA, MS, OK, SC, TX, Lake States / Northern Plains – KS, MI, MN, NE, ND, SD, WI, Mountain / Pacific – AK, AZ, CA, CO, HI, ID, MT, NM, NV, OR, UT, WA, WY. Note AGCO represents Massey Ferguson and Challenger brands.

Source: Ag Equipment Intelligence

Highlights / Summary Thoughts

- Sales Average dealer sales were reported flat y/y in January, down from the 1% sales growth in December. A net 9% of dealers missed their sales budgets in January, down from the 1% that missed plan last month. Commercial and consumer lawn equipment sales showed strength, while large equipment demand remains weak but saw improvement in 2017.
- Outlook –The 2018 forecast is for 2% y/y growth, inline with December, with a net 23% of contacts expecting growth vs the 33% of contacts expecting growth in 4Q. 45% of contacts believe the tax bill will have a moderate (1-5%) positive impact on sales of machinery equipment in 2018.
- **Inventory** A net 19% of dealers reported new equipment inventories as too high, better than the 22% in December. Used equipment inventories remained elevated as a net 23% of dealers reported used inventory as too high, an improvement from the 27% last month. Overall, inventories have come down from 2016 levels.
- **Pricing** Pricing trends were flat in the month following an uptick in 4Q. Pricing trends were largely unchanged from December with large tractors reported down 3% y/y and combine pricing down 5%.

Monthly Sales Growth

- Average dealer sales were reported flat y/y in January, down from the 1% sales growth in December. A net 9% of dealers missed their sales budgets in January, below the 1% that missed plan last month.
- A net 1% of dealers reported they are more optimistic vs the net 9% of dealers that were more optimistic in December. Optimism and sales versus expectations both fell in the month as many dealers saw a pull forward of demand in December.

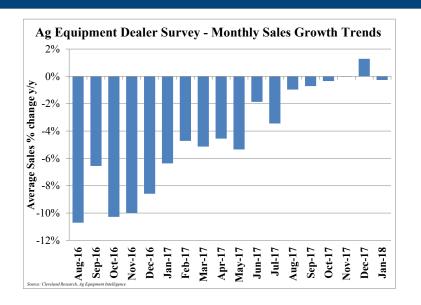
				N. Amer	ican Far	m Equip	ment Dea	aler Surv	ey - Aver	age Deal	er Sales	Growth						
% Change y/y	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
AGCO	-22%	-12%	-12%	-12%	-5%	-13%	-4%	-11%	-2%	-13%	-1%	-3%	0%	-5%	2%	0%	4%	0%
John Deere	-17%	-4%	-9%	-11%	-6%	-1%	-7%	-1%	-4%	-1%	-1%	-2%	3%	5%	2%	-1%	4%	1%
New Holland	-11%	-12%	-14%	-9%	-15%	-7%	2%	-12%	-13%	-4%	-1%	-6%	0%	-4%	-11%	3%	0%	0%
Case IH	-11%	-8%	-11%	-11%	-14%	-8%	-4%	-5%	-3%	-16%	-2%	-5%	-2%	-8%	-4%	-7%	-3%	-1%
Kubota	1%	4%	1%	-1%	5%	-5%	2%	7%	2%	1%	0%	8%	12%	-4%	14%	10%	10%	5%
Shortlines/Other	-22%	-22%	-11%	-7%	-14%	-9%	5%	4%	-9%	-1%	-1%	-1%	-1%	3%	0%	-1%	-5%	-5%
Total	-11%	-7%	-10%	-10%	-9%	-6%	-5%	-5%	-5%	-5%	-2%	-3%	-1%	-1%	0%	0%	1%	0%

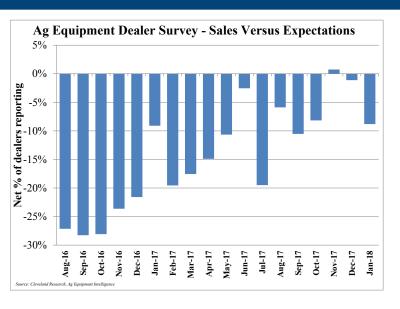
Source: Cleveland Research, Ag Equipment Intelligence

				N. Ame	erican Fa	ırm Equi	ipment D	Dealer Su	rvey - Sa	les Versu	s Expect	ations						
% of Dealers Reporting	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
Better than expected	14%	14%	16%	8%	11%	16%	11%	12%	16%	19%	16%	16%	21%	21%	18%	21%	18%	13%
In line with expectations	44%	44%	40%	61%	57%	59%	58%	58%	54%	52%	65%	48%	52%	47%	55%	60%	62%	65%
Worse than expected	41%	42%	44%	31%	32%	25%	31%	30%	30%	30%	19%	36%	27%	32%	27%	20%	20%	22%
Net % (Better - Worse)	-27%	-28%	-28%	-24%	-22%	-9%	-20%	-18%	-15%	-11%	-3%	-19%	-6%	-11%	-8%	1%	-1%	-9%

Source: Cleveland Research, Ag Equipment Intelligence

Monthly Sales Growth Continued





			N. Ar	nerican I	Farm Eq	uipment	Dealer S	urvey - A	verage I	Dealer Re	venue G	rowth Ti	rends					
% of Dealers Reporting	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
Positive Sales Growth	19%	22%	18%	20%	26%	27%	25%	32%	34%	39%	37%	33%	41%	43%	41%	43%	41%	36%
Flat Sales	19%	22%	15%	23%	17%	22%	31%	23%	19%	18%	32%	19%	21%	22%	20%	21%	22%	28%
Negative Sales Growth	62%	56%	67%	58%	58%	52%	45%	45%	47%	43%	32%	48%	38%	35%	38%	36%	37%	36%
Net % Reporting Growth	-43%	-33%	-48%	-38%	-32%	-25%	-20%	-13%	-13%	-4%	5%	-15%	4%	7%	3%	7%	4%	0%
Average % Change y/y	-11%	-7%	-10%	-10%	-9%	-6%	-5%	-5%	-5%	-5%	-2%	-3%	-1%	-1%	0%	0%	1%	0%

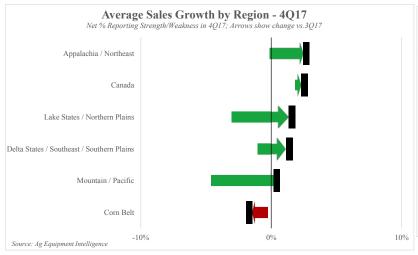
						Optir	nism/Sei	ntiment v	s. Last N	Ionth								
% of Dealers Reporting	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
More Optimistic	11%	14%	13%	15%	17%	31%	21%	26%	17%	19%	23%	21%	23%	23%	22%	24%	28%	21%
Same	52%	49%	53%	60%	58%	48%	60%	47%	53%	61%	58%	47%	52%	51%	56%	63%	53%	58%
Less Optimistic	36%	38%	34%	25%	26%	20%	19%	27%	30%	20%	19%	32%	26%	26%	22%	14%	19%	21%
Net % Dealer Optimism	-25%	-24%	-21%	-10%	-9%	11%	1%	-1%	-13%	-2%	4%	-11%	-3%	-4%	1%	10%	9%	1%

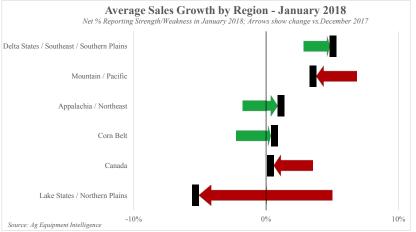
Source: Cleveland Research

Source: Claveland Research

Monthly Sales Growth by Region

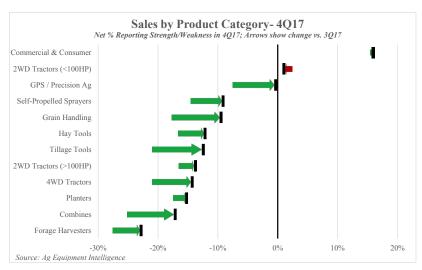
• Sales trends by region improved sequentially in half of the regions in January and 5 of the 6 regions in 4Q from 3Q. The Delta States / Southeast / Southern Plains region was the strongest region in the month while the Corn Belt saw the greatest improvement from December. The Lake States / Northern Plains region saw a sequential softening from December which commentary suggests is weather related.

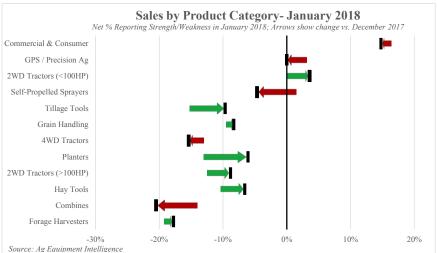




Equipment Category Sales Trends

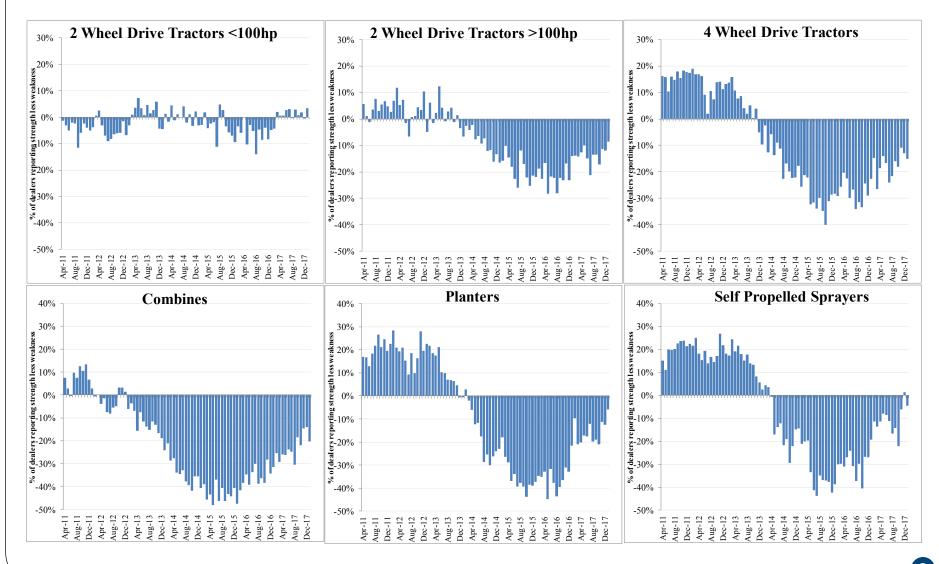
- Sales by product category was mixed in January while nearly all product categories saw sequential improvement from 3Q to 4Q. Commercial & consumer saw continued strength, while large equipment remains weak but saw notable improvement in 2017.
- Commentary suggests used large equipment sales were stronger than expected in the month, inline with commentary in December.





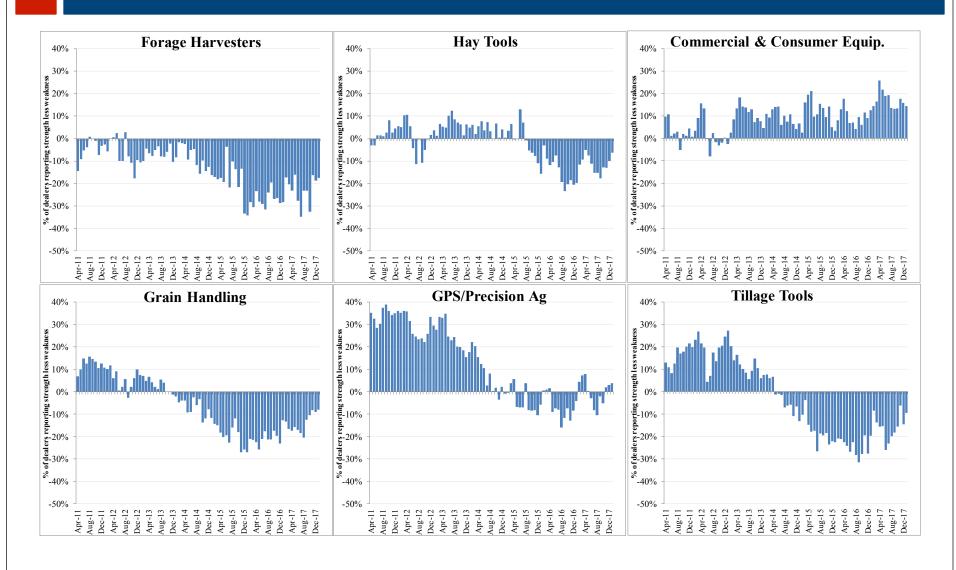
Source: Ag Equipment Intelligence

Equipment Category Sales Trends



Source: Ag Equipment Intelligence

Equipment Category Sales Trends (Continued)



Average Dealer Sales Outlook

- The 2018 forecast is for 2% y/y growth, inline with December, with a net 23% of contacts expecting growth vs the 33% of contacts expecting growth in 4Q. 45% of contacts believe the tax bill will have a moderate (1-5%) positive impact on sales of machinery equipment in 2018.
- Public ag equipment manufacturers forecast NAFTA ag equipment sales flat to up 10% in 2018. The bottom table details sales outlook by region for John Deere, CNH Industrial, and AGCO Corp.

N. Ar	nerican Farm l	Equipment	Dealer Sur	vey - 2018	Sales For	ecast	
% change y/y	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
AGCO	0%	2%	1%	0%	3%	-1%	-4%
John Deere	1%	7%	4%	5%	4%	2%	4%
New Holland	2%	-4%	-1%	-3%	2%	-2%	1%
Case IH	0%	1%	1%	4%	3%	4%	0%
Kubota	0%	1%	-1%	-2%	1%	2%	1%
Shortlines/Other	-3%	0%	0%	3%	-5%	4%	1%
Overall	-3%	0%	1%	0%	2%	2%	2%

Source: Cleveland Research, Ag Equipment Intelligence

	2018 Ag	Equipment Industry Sales Outlook (units)	
Geography	Deere	CNH Industrial	AGCO Corp.
N. America	Up 10%	Tractors 0-5%; Combines up 10%	Flat; Flat HHP
Western Europe	Up 5%	Tractors up 5%; Combines 0-5%	Flat
Latin America	Flat to up 5%	Tractors 0-5%; Combines up 5%	Flat to up 5%
Asia	Flat	Tractors Flat; Combines 0-5%	na

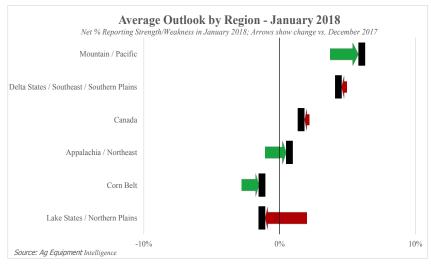
Source: Company reports, CRC estimates

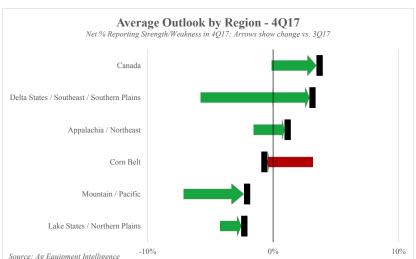
Most Interesting Commentary - Monthly Sales and Outlook

- There was a lot of quoting in the month. Though they did not turn to sales like we had predicted, there were more quotes than a typical January.
- There was strong demand for parts & service, as well as used harvesting equipment.
- There was increased interested in tillage equipment and new self propelled sprayers in January.
- January is usually a slow month for us. We were steady all month, which means we actually had more interest and sales than normal.
- Even though the weather was colder than average, we set a record in tractor sales.
- Sales of used equipment were much better than expected.
- January was slower than expected which we attribute to the ice storms and below average temperatures.
- We saw an increased demand from smaller farmers, while it appears medium sized farmers are holding off on purchasing.
- We are more optimistic about 2018 versus last month because we have our inventory inline and the commodity price predictions are showing an upward trend.
- While the outlook for our dairy customers remains weak due to commodity prices, we are seeing operators shop for more efficient machines so they can reduce their labor costs.
- Our manufacturer's programming is less aggressive in January versus December.
- We still have too many used combines and hay equipment. We are actually a little low on tractors.
- Our used equipment inventory has come down significantly from 2016 levels, but we still are trying to bring it down even more.

2018 Sales Outlook

- The 2018 outlook in January saw sequential improvement in half of the regions, while the outlook improved in all regions except the Corn Belt in 4Q. The Mountain / Pacific region posted the highest sales outlook in the month and also saw the greatest sequential improvement from December.
- The 2018 outlook in January for 2% growth is above the 1% average growth forecasts collected from July to January. Dealers are optimistic following a better outlook for commodity prices as well as tax incentives.

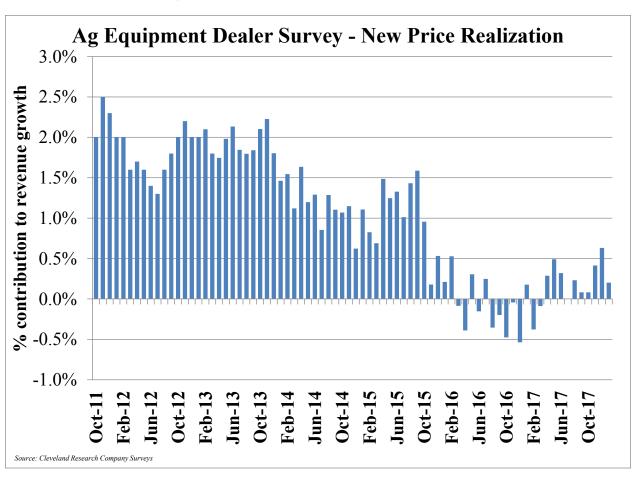




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Pricing Trends

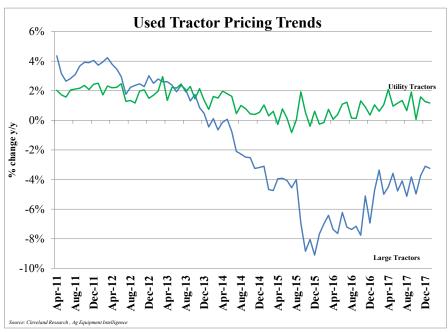
• Pricing trends were flattish in the month following an uptick in 4Q. Commentary suggests some manufacturer list price increases in the 2-3% range effective Feb. 1.

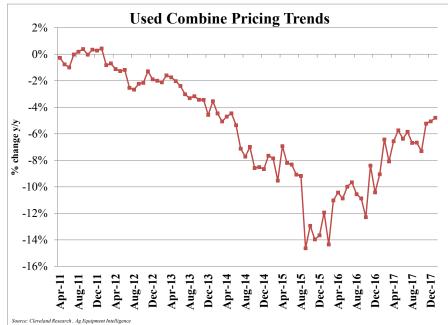


Used Equipment Pricing

• Pricing trends were largely unchanged from December with large tractors reported down 3% y/y and combine pricing down 5%.

							Used Tra	ctor and Co	mbine Valu	ies (Y/Y)								
	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18
Compact (<40HP)	1%	1%	2%	2%	1%	1%	1%	1%	2%	2%	2%	1%	1%	2%	0%	2%	1%	1%
Utility (40-100HP)	(0%)	(0%)	1%	0%	0%	1%	0%	1%	2%	0%	0%	1%	0%	1%	0%	1%	1%	1%
Row Crop (100HP+)	(6%)	(6%)	(6%)	(4%)	(5%)	(3%)	(2%)	(3%)	(4%)	(3%)	(4%)	(3%)	(4%)	(2%)	(4%)	(3%)	(2%)	(2%)
4WD Tractors	(9%)	(8%)	(10%)	(7%)	(9%)	(6%)	(4%)	(7%)	(5%)	(4%)	(6%)	(5%)	(6%)	(5%)	(6%)	(5%)	(4%)	(4%)
Combines	(11%)	(11%)	(12%)	(8%)	(10%)	(9%)	(6%)	(8%)	(7%)	(6%)	(6%)	(6%)	(7%)	(7%)	(7%)	(5%)	(5%)	(5%)

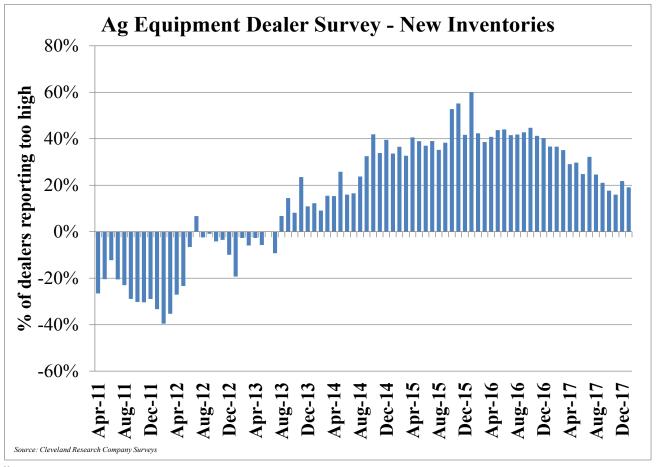




Source: Ag Equipment Intelligence

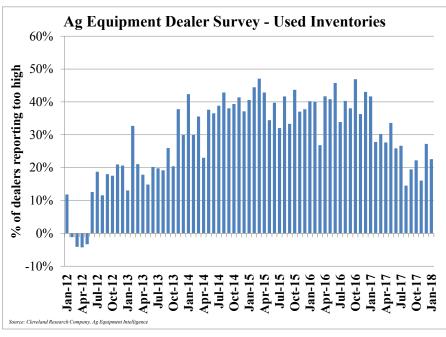
New Equipment Inventory Levels

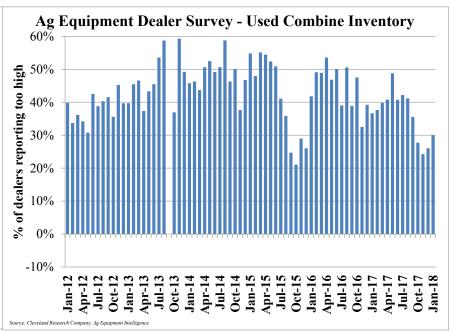
• A net 19% of dealers reported new equipment inventories too high (32% too high, 55% about right, 13% too low), below the 22% in December. New inventory levels have been elevated for over 3 years, but have come down over the past year.



Used Equipment Inventory Levels

• A net 23% of dealers reported used equipment inventory as too high (32% too high, 58% about right, 10% too low), better than the 27% reporting heightened inventory in December and the 26% average in 2017. Used combine inventory levels were reported as too high by a net 30% of dealers in January, above the 26% in December, but better than the 37% average in 2017.





North American Farm Equipment Industry Retail Sales

				Units						% cha	nge year-ove	er-vear		
·				Cints	Total	Row Crop				70 CH	nge year ove	Total	Row Crop	
	< 40 HP	Utility	Row Crop	4-Wheel	Tractor	& 4WD	Combines	< 40 HP	Utility	Row Crop	4-Wheel	Tractor	& 4WD	Combines
Jan-15	5,382	4,506	3,124	220	13,232	3,344	384	13%	9%	-5%	-65%	3%	-15%	-53%
Feb-15	5,305	3,250	1,955	348	10,858	2,303	399	0%	-13%	-19%	-39%	-10%	-23%	-24%
Mar-15	9,702	4,799	2,539	499	17,539	3,038	470	-4%	-6%	-20%	-24%	-8%	-20%	-48%
Apr-15	16,624	6,461	3,131	430	26,646	3,561	664	17%	8%	-17%	-42%	8%	-21%	-33%
May-15	16,028	5,643	1,994	260	23,925	2,254	549	-5%	-14%	-32%	-45%	-11%	-34%	-18%
Jun-15	15,679	6,526	2,409	300	24,914	2,709	502	3%	1%	-12%	-26%	0%	-14%	-40%
Jul-15	14,372	7,039	2,469	268	24,148	2,737	806	28%	19%	-23%	-31%	16%	-24%	-22%
Aug-15	9,800	5,087	1,768	167	16,822	1,935	679	1%	-7%	-31%	-55%	-7%	-34%	-28%
Sep-15	10,917	5,348	1,934	249	18,448	2,183	845	-4%	-14%	-41%	-49%	-13%	-42%	-26%
Oct-15	12,897	6,792	3,266	515	23,470	3,781	796	18%	-4%	-34%	-30%	-1%	-33%	-19%
Nov-15	6,112	3,728	1,159	222	11,221	1,381	343	4%	-11%	-39%	-37%	-9%	-38%	-24%
Dec-15	8,755	6,376	2,567	516	18,214	3,083	883	8%	-15%	-31%	1%	-8%	-27%	-4%
Jan-16	5,946	4,250	1,981	243	12,420	2,224	455	10%	-6%	-37%	10%	-6%	-33%	18%
Feb-16	6,429	3,372	1,185	222	11,208	1,407	241	21%	4%	-39%	-36%	3%	-39%	-40%
Mar-16	12,453	5,110	1,905	258	19,726	2,163	346	28%	6%	-25%	-48%	12%	-29%	-26%
Apr-16	17,726	5,578	2,539	336	26,179	2,875	464	7%	-14%	-19%	-22%	-2%	-19%	-30%
May-16	17,191	5,617	1,969	234	25,011	2,203	332	7%	0%	-1%	-10%	5%	-2%	-40%
Jun-16	16,094	6,273	1,966	247	24,580	2,213	565	3%	-4%	-18%	-18%	-1%	-18%	13%
Jul-16	13,342	5,494	1,875	152	20,863	2,027	619	-7%	-22%	-24%	-43%	-14%	-26%	-23%
Aug-16	11,600	5,049	1,314	102	18,065	1,416	562	18%	-1%	-26%	-39%	7%	-27%	-17%
Sep-16	12,664	5,449	1,759	200	20,072	1,959	620	16%	2%	-9%	-20%	9%	-10%	-27%
Oct-16	13,816	6,799	2,716	610	23,941	3,326	579	7%	0%	-17%	18%	2%	-12%	-27%
Nov-16	7,416	3,651	903	205	12,175	1,108	293	21%	-2%	-22%	-8%	9%	-20%	-15%
Dec-16	10,384	6,301	2,064	325	19,074	2,389	688	19%	-1%	-20%	-37%	5%	-23%	-22%
Jan-17	6,836	3,832	1,392	147	12,207	1,539	289	15%	-10%	-30%	-40%	-2%	-31%	-36%
Feb-17	7,868	3,319	1,335	199	12,721	1,534	276	22%	-2%	13%	-10%	13%	9%	15%
Mar-17	13,950	5,328	1,790	338	21,406	2,128	457	12%	4%	-6%	31%	9%	-2%	32%
Apr-17	19,473	5,595	2,425	441	27,934	2,866	504	10%	0%	-4%	31%	7%	0%	9%
May-17	19,588	5,825	1,606	254	27,273	1,860	372	14%	4%	-18%	9%	9%	-16%	12%
Jun-17	18,107	6,313	1,590	191	26,201	1,781	595	13%	1%	-19%	-23%	7%	-20%	5%
Jul-17	13,806	5,583	1,443	136	20,968	1,579	656	3%	2%	-23%	-11%	1%	-22%	6%
Aug-17	11,985	5,229	1,222	170	18,606	1,392	679	3%	4%	-7%	67%	3%	-2%	21%
Sep-17	11,613	5,082	1,409	266	18,370	1,675	643	-8%	-7%	-20%	33%	-8%	-14%	4%
Oct-17	15,404	6,991	3,748	709	26,852	4,457	845	11%	3%	38%	16%	12%	34%	46%
Nov-17	8,152	4,109	952	187	13,400	1,139	334	10%	13%	5%	-9%	10%	3%	14%
Dec-17	10,964	6,276	1,974	413	19,627	2,387	699	6%	0%	-4%	27%	3%	0%	2%
Jan-18	7,261	3,960	1,423	196	12,840	1,619	275	6%	3%	2%	33%	5%	5%	-5%

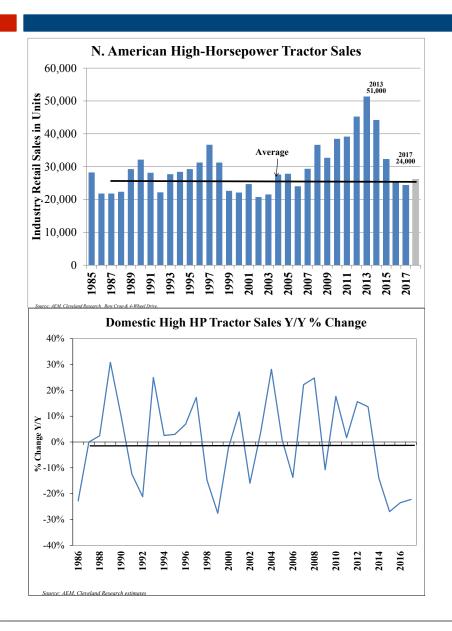
Source: AEM; Cleveland Research Company estimates. High hp tractors are row crop & 4-wheel drive.

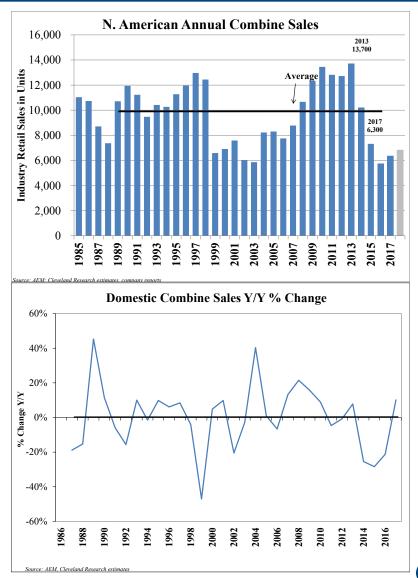
North American Farm Equipment Industry Inventory

					NORTH	AMERICAN	N FARM EQUI	PMENT INV	ENTORY					
			Inv	entory (Uni	ts)					Invent	ory to 12-m	o. Sales		
_					Total	Row Crop						Total	Row Crop	
	< 40 HP	Utility	Row Crop	4-Wheel	Tractor	& 4WD	Combines	<40HP	Util	RC	4-WD	Tractor	& 4WD	Comb
Dec-14	69,876	35,550	14,638	1,426	121,490	16,064	1,674	57%	52%	39%	22%	51%	36%	16%
Jan-15	73,716	35,405	13,934	1,439	124,494	15,373	1,713	59%	51%	37%	24%	53%	35%	18%
Feb-15	78,177	36,676	13,981	1,436	130,270	15,417	1,820	63%	54%	38%	25%	55%	36%	19%
Mar-15	81,662	37,881	14,179	1,346	135,068	15,525	2,040	66%	56%	39%	24%	58%	37%	22%
Apr-15	80,348	37,047	13,193	1,353	131,941	14,546	2,116	64%	54%	37%	26%	56%	35%	24%
May-15	78,880	37,037	13,177	1,400	130,494	14,577	2,058	63%	55%	38%	28%	56%	36%	23%
Jun-15	76,286	36,584	13,006	1,416	127,292	14,422	2,276	61%	54%	37%	29%	55%	36%	27%
Jul-15	72,876	35,232	12,507	1,354	121,969	13,861	2,218	56%	51%	37%	28%	52%	36%	27%
Aug-15	74,247	36,442	12,555	1,343	124,587	13,898	2,232	58%	53%	38%	29%	53%	37%	28%
Sep-15	65,844	37,545	12,551	1,374	117,314	13,925	2,001	51%	56%	39%	32%	51%	38%	26%
Oct-15	75,042	37,885	11,906	1,266	126,099	13,172	1,504	57%	56%	39%	31%	54%	38%	20%
Nov-15	79,228	39,911	12,983	1,317	133,439	14,300	1,492	61%	60%	44%	33%	58%	43%	20%
Dec-15	82,737	41,363	13,140	1,189	138,429	14,329	1,277	63%	63%	46%	30%	60%	44%	17%
Jan-16	86,618	42,352	12,727	1,129	142,826	13,856	1,169	66%	65%	47%	28%	62%	44%	16%
Feb-16	92,071	44,704	13,298	1,097	151,170	14,395	1,281	69%	68%	50%	28%	66%	48%	18%
Mar-16	93,703	45,127	13,327	1,131	153,288	14,458	1,281	69%	69%	52%	31%	66%	49%	18%
Apr-16	90,381	44,499	13,136	1,115	149,131	14,251	1,312	66%	69%	52%	31%	65%	50%	19%
May-16	86,451	43,931	13,015	1,152	144,549	14,167	1,492	63%	68%	52%	33%	62%	49%	22%
Jun-16	82,264	42,688	12,928	1,005	138,885	13,933	1,593	59%	66%	52%	29%	60%	49%	24%
Jul-16	81,046	41,621	12,765	920	136,352	13,685	1,580	59%	66%	53%	27%	60%	50%	24%
Aug-16	79,823	41,683	12,962	998	135,466	13,960	1,671	57%	66%	55%	30%	59%	52%	26%
Sep-16	78,438	41,007	12,671	1,103	133,219	13,774	1,428	56%	65%	54%	34%	58%	52%	23%
Oct-16	77,609	39,058	11,417	1,013	129,097	12,430	1,118	55%	62%	50%	30%	56%	47%	19%
Nov-16	80,250	39,972	12,075	1,059	133,356	13,134	1,105	56%	63%	53%	32%	57%	51%	19%
Dec-16	81,456	39,339	11,955	985	133,735	12,940	1,082	56%	62%	54%	31%	57%	51%	19%
Jan-17	83,153	39,248	11,838	1,024	135,263	12,862	1,099	57%	63%	55%	34%	58%	52%	20%
Feb-17	84,464	39,659	11,692	1,105	136,920	12,797	1,345	57%	63%	54%	37%	58%	52%	24%
Mar-17	83,854	41,907	11,428	1,072	138,261	12,500	1,432	56%	67%	53%	35%	59%	51%	25%
Apr-17	80,239	38,000	10,705	980	129,924	11,685	1,427	53%	61%	50%	31%	55%	47%	25%
May-17	79,064	37,377	10,363	985	127,789	11,348	1,604	52%	59%	49%	31%	53%	47%	28%
Jun-17	77,022	36,209	10,372	924	124,527	11,296	1,731	50%	58%	50%	29%	51%	47%	30%
Jul-17	77,490	36,223	10,210	1,001	124,924	11,211	1,604	50%	57%	50%	32%	52%	48%	27%
Aug-17	76,934	36,868	10,541	1,045	125,388	11,586	1,615	49%	58%	52%	32%	52%	49%	27%
Sep-17	75,112	36,376	11,022	1,104	123,614	12,126	1,483	49%	58%	55%	34%	51%	52%	25%
Oct-17	78,973	34,502	9,554	862	123,891	10,416	1,052	50%	55%	46%	25%	51%	43%	17%
Nov-17	84,909	35,100	10,194	977	131,180	11,171	974	54%	55%	49%	29%	54%	46%	15%
Dec-17	90,166	35,080	10,191	922	136,359	11,113	959	57%	55%	49%	27%	56%	46%	15%

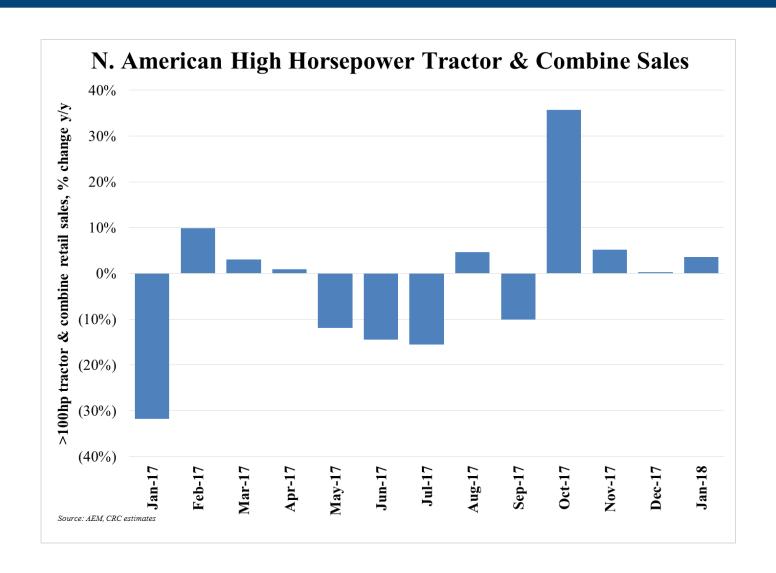
Source: AEM; Cleveland Research Company estimates

Annual Agricultural Equipment Industry Sales (1985 - 2017)





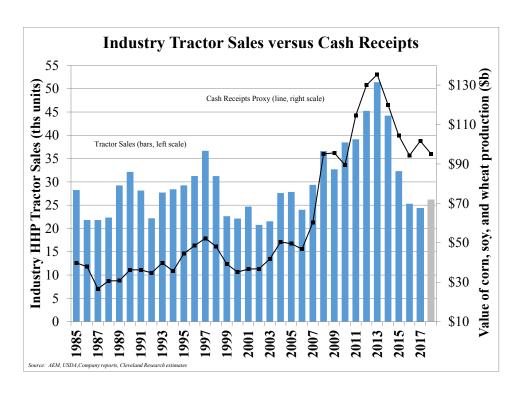
North America Large Ag Equipment Sales



Commodity Prices – Cash Receipts vs. Next Year Equipment Sales

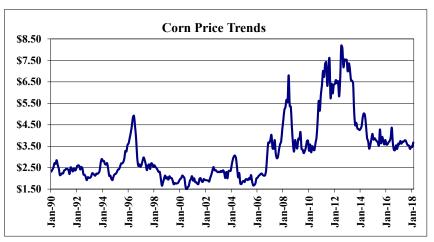
USDA's February WASDE Update Highlights – The following chart illustrates the historical relationship between the value of production of corn, soybeans, and wheat in the U.S. compared to annual industry sales of high horsepower tractors.

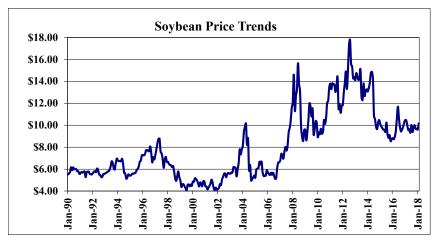
USDA's February crop report was similar to January with cash receipts proxy forecast down 5% y/y in 2017/18. Corn cash receipt forecasts improved to down 6% vs down 8% previously on better pricing, while wheat and soybean forecasts were unchanged at down 11% y/y and down 1% y/y.

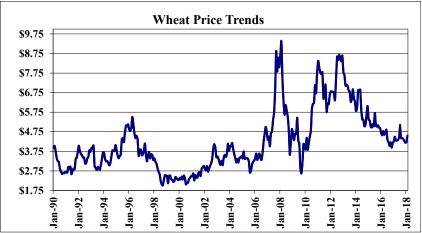


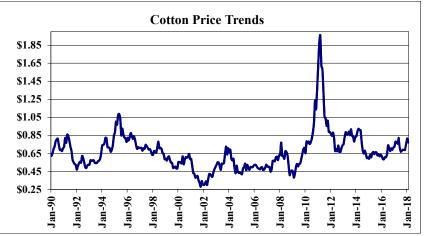
21

Long Term Commodity Price Trends









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Commodity Trends – Long Run Supply and Demand Projections

		US	Corn, Soy, ar	ıd Wheat Sup	ply and Dem	and - Long	Term Annual	Forecast 201	8				
US Corn Balance Sheet - USDA Long	Term Forecast (Feb 2018)											
Millions of bushels	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/2027	2027/202
Planted	88	94	90	91	90	90	90	90	89	89	88	88	8
Harvested	81	87	83	84	83	83	82	82	81	81	81	80	8
Yield (bu/acre)	168	175	0	174	176	178	180	182	184	186	188	190	19
Beginning Stocks (MM bu)	1,731	1,737	2,295	2,487	2,607	2,597	2,637	2,647	2,657	2,617	2,632	2,627	2,60
Production (MM bu)	13,601	15,148	14,578	14,520	14,515	14,680	14,755	14,920	14,900	15,065	15,130	15,200	15,36
Imports (MM bu)	67	57	50	50	50	50	50	50	50	50	50	50	5
Total Supply (MM bu)	15,399	16,942	16,922	17,057	17,172	17,327	17,442	17,617	17,607	17,732	17,812	17,877	18,01
Feed & Residual (MM Bu)	5,130	5,463	5,575	5,550	5,600	5,700	5,750	5,900	5,925	6,000	6,075	6,125	6,25
Food, Seed, & Industrial Total	6,635	6,891	6,935	7,000	7,025	7,015	7,020	7,010	6,990	7,000	6,985	6,970	6,95
Ethanol & By-Products	5,206	5,463	5,475	5,525	5,550	5,525	5,525	5,500	5,475	5,475	5,450	5,425	5,40
Domestic Use	11,765	12,354	12,510	12,550	12,625	12,715	12,770	12,910	12,915	13,000	13,060	13,095	13,20
Exports	1,898	2,293	1,925	1,900	1,950	1,975	2,025	2,050	2,075	2,100	2,125	2,175	2,20
Total Use	13,663	14,647	14,435	14,450	14,575	14,690	14,795	14,960	14,990	15,100	15,185	15,270	15,40
Ending Stocks	1,738	2,295	2,487	2,607	2,597	2,637	2,647	2,657	2,617	2,632	2,627	2,607	2,61
Ending Stocks/Use	12.7%	15.7%	17.2%	18.0%	17.8%	18.0%	17.9%	17.8%	17.5%	17.4%	17.3%	17.1%	17.09
Weeks Carryover	6.6	8.1	9.0	9.4	9.3	9.3	9.3	9.2	9.1	9.1	9.0	8.9	8.
Average Farm Price (\$/bu)	\$3.61	\$3.36	\$3.20	\$3.30	\$3.35	\$3.35	\$3.40	\$3.40	\$3.45	\$3.50	\$3.50	\$3.55	\$3.6
Value of Production	\$49,100	\$50,897	\$46,650	\$47,916	\$48,625	\$49,178	\$50,167	\$50,728	\$51,405	\$52,728	\$52,955	\$53,960	\$55,29
% change y/y	-7%	4%	-8%	3%	1%	1%	2%	1%	1%	3%	0%	2%	2%
Millions of bushels	2015/16	2016/17	3) 2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/2027	2027/202
Millions of bushels	2015/16 83	2016/17 83	2017/18 90	91	91	92	92	92	92	92	92	92	9
Millions of bushels Planted	2015/16	2016/17 83 83	2017/18 90 90	91 90									9
Millions of bushels Planted Harvested	2015/16 83 82	83 83 0	90 90 90 0	91 90 0	91 90	92 91	92 91	92 91	92 91	92 91	92 91	92 91	9
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels)	2015/16 83 82 48	2016/17 83 83 0 52	90 90 90 0 49	91 90 0 48	91 90 49	92 91 50	92 91 50	92 91 51	92 91 51	92 91 52	92 91 52	92 91 53	9 9 5
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks	2015/16 83 82 48 191	2016/17 83 83 0 52 197	90 90 90 0 49 301	91 90 0 48 425	91 90 49 376	92 91 50 351	92 91 50 324	92 91 51 323	92 91 51 325	92 91 52 328	92 91 52 321	92 91 53 324	9 9 5 33
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production	2015/16 83 82 48 191 3,926	2016/17 83 83 0 52 197 4,296	90 90 90 0 49 301 4,425	91 90 0 48 425 4,360	91 90 49 376 4,410	92 91 50 351 4,475	92 91 50 324 4,550	92 91 51 323 4,595	92 91 51 325 4,645	92 91 52 328 4,665	92 91 52 321 4,715	92 91 53 324 4,760	9 9 5 33 4,81
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports	2015/16 83 82 48 191 3,926 24	2016/17 83 83 0 52 197 4,296 22	90 90 90 49 301 4,425 25	91 90 0 48 425 4,360 25	91 90 49 376 4,410 25	92 91 50 351 4,475 25	92 91 50 324 4,550 25	92 91 51 323 4,595 25	92 91 51 325 4,645 25	92 91 52 328 4,665 25	92 91 52 321 4,715 25	92 91 53 324 4,760 25	9 9 5 33 4,81 2
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies	2015/16 83 82 48 191 3,926 24 4,141	2016/17 83 83 0 52 197 4,296 22 4,515	90 90 90 0 49 301 4,425 25 4,752	91 90 0 48 425 4,360 25 4,810	91 90 49 376 4,410 25 4,811	92 91 50 351 4,475 25 4,851	92 91 50 324 4,550 25 4,899	92 91 51 323 4,595 25 4,943	92 91 51 325 4,645 25 4,995	92 91 52 328 4,665 25 5,018	92 91 52 321 4,715 25 5,061	92 91 53 324 4,760 25 5,109	9 9 5 33 4,81 2 5,16
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush	2015/16 83 82 48 191 3,926 24 4,141 1,886	2016/17 83 83 0 52 197 4,296 22 4,515 1,899	2017/18 90 90 0 49 301 4,425 25 4,752 1,940	91 90 0 48 425 4,360 25 4,810 1,970	91 90 49 376 4,410 25 4,811 1,985	92 91 50 351 4,475 25 4,851 2,005	92 91 50 324 4,550 25 4,899 2,025	92 91 51 323 4,595 25 4,943 2,050	92 91 51 325 4,645 25 4,995 2,075	92 91 52 328 4,665 25 5,018 2,095	92 91 52 321 4,715 25 5,061 2,120	92 91 53 324 4,760 25 5,109 2,145	9 9 5 33 4,81 2 5,16 2,16
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush	2015/16 83 82 48 191 3,926 24 4,141	2016/17 83 83 0 52 197 4,296 22 4,515	90 90 90 0 49 301 4,425 25 4,752	91 90 0 48 425 4,360 25 4,810	91 90 49 376 4,410 25 4,811	92 91 50 351 4,475 25 4,851	92 91 50 324 4,550 25 4,899	92 91 51 323 4,595 25 4,943	92 91 51 325 4,645 25 4,995	92 91 52 328 4,665 25 5,018	92 91 52 321 4,715 25 5,061	92 91 53 324 4,760 25 5,109	5 33 4,81 2 5,16 2,16
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush Exports	2015/16 83 82 48 191 3,926 24 4,141 1,886	2016/17 83 83 0 52 197 4,296 22 4,515 1,899	2017/18 90 90 0 49 301 4,425 25 4,752 1,940	91 90 0 48 425 4,360 25 4,810 1,970	91 90 49 376 4,410 25 4,811 1,985	92 91 50 351 4,475 25 4,851 2,005	92 91 50 324 4,550 25 4,899 2,025	92 91 51 323 4,595 25 4,943 2,050	92 91 51 325 4,645 25 4,995 2,075	92 91 52 328 4,665 25 5,018 2,095	92 91 52 321 4,715 25 5,061 2,120	92 91 53 324 4,760 25 5,109 2,145	9 9 5 33 4,81 2 5,16 2,16 2,51
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush Exports Seed & Residual	2015/16 83 82 48 191 3,926 24 4,141 1,886 1,936	2016/17 83 83 0 52 197 4,296 22 4,515 1,899 2,174	2017/18 90 90 0 49 301 4,425 25 4,752 1,940 2,250	91 90 0 48 425 4,360 25 4,810 1,970 2,325	91 90 49 376 4,410 25 4,811 1,985 2,335	92 91 50 351 4,475 25 4,851 2,005 2,380	92 91 50 324 4,550 25 4,899 2,025 2,410	92 91 51 323 4,595 25 4,943 2,050 2,425	92 91 51 325 4,645 25 4,995 2,075 2,450	92 91 52 328 4,665 25 5,018 2,095 2,460	92 91 52 321 4,715 25 5,061 2,120 2,475	92 91 53 324 4,760 25 5,109 2,145 2,490	9 9 5 33 4,81 2 5,16 2,16 2,51
U.S. Soybean Balance Sheet - USDA Lo Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush Exports Seed & Residual Total Use Ending Stocks	2015/16 83 82 48 191 3,926 24 4,141 1,886 1,936	2016/17 83 83 0 52 197 4,296 22 4,515 1,899 2,174	2017/18 90 90 0 49 301 4,425 25 4,752 1,940 2,250 128	91 90 0 48 425 4,360 25 4,810 1,970 2,325	91 90 49 376 4,410 25 4,811 1,985 2,335	92 91 50 351 4,475 25 4,851 2,005 2,380	92 91 50 324 4,550 25 4,899 2,025 2,410	92 91 51 323 4,595 25 4,943 2,050 2,425	92 91 51 325 4,645 25 4,995 2,075 2,450	92 91 52 328 4,665 25 5,018 2,095 2,460	92 91 52 321 4,715 25 5,061 2,120 2,475	92 91 53 324 4,760 25 5,109 2,145 2,490	9 9 9 5 33 4,81 2 5,16 2,51 4 4,82
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush Exports Seed & Residual Total Use Ending Stocks	2015/16 83 82 48 191 3,926 24 4,141 1,886 1,936 121 3,943	2016/17 83 83 0 52 197 4,296 22 4,515 1,899 2,174 128 4,214	2017/18 90 90 0 49 301 4,425 25 4,752 1,940 2,250 128 4,326	91 90 0 48 425 4,360 25 4,810 1,970 2,325 128	91 90 49 376 4,410 25 4,811 1,985 2,335 140 4,460	92 91 50 351 4,475 25 4,851 2,005 2,380 141 4,526	92 91 50 324 4,550 25 4,899 2,025 2,410 142 4,577	92 91 51 323 4,595 25 4,943 2,050 2,425 142 4,617	92 91 51 325 4,645 25 4,995 2,075 2,450 142 4,667	92 91 52 328 4,665 25 5,018 2,095 2,460 142 4,697	92 91 52 321 4,715 25 5,061 2,120 2,475	92 91 53 324 4,760 25 5,109 2,145 2,490 143 4,778	9 9 9 5 33 4,81 2 5,16 2,16 2,51 14 4,82 34
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush Exports Seed & Residual Total Use Ending Stocks Stocks/Use	2015/16 83 82 48 191 3,926 24 4,141 1,886 1,936 121 3,943 197	2016/17 83 83 0 52 197 4,296 22 4,515 1,899 2,174 128 4,214 301	2017/18 90 90 0 49 301 4,425 25 4,752 1,940 2,250 128 4,326 425	91 90 0 48 425 4,360 25 4,810 1,970 2,325 128 4,435 376	91 90 49 376 4,410 25 4,811 1,985 2,335 140 4,460 351	92 91 50 351 4,475 25 4,851 2,005 2,380 141 4,526 324	92 91 50 324 4,550 25 4,899 2,025 2,410 142 4,577 323	92 91 51 323 4,595 25 4,943 2,050 2,425 142 4,617 325	92 91 51 325 4,645 25 4,995 2,075 2,450 142 4,667 328 7.0%	92 91 52 328 4,665 25 5,018 2,095 2,460 142 4,697 321	92 91 52 321 4,715 25 5,061 2,120 2,475 142 4,737 324	92 91 53 324 4,760 25 5,109 2,145 2,490 143 4,778 331	9 9 9 5 3 3 3 4,81 2 2 5,16 2,51 14 4,82 3 4 4,7,19
Millions of bushels Planted Harvested Yield Per Harvested Acre (Bushels) Beginning Stocks Production Imports Total Supplies Crush Exports Seed & Residual	2015/16 83 82 48 191 3,926 24 4,141 1,886 1,936 121 3,943 197 5.0%	2016/17 83 83 0 52 197 4,296 22 4,515 1,899 2,174 128 4,214 301 7,1%	2017/18 90 90 0 49 301 4,425 25 4,752 1,940 2,250 128 4,326 425 9.8%	91 90 0 48 425 4,360 25 4,810 1,970 2,325 128 4,435 376 8.5%	91 90 49 376 4,410 25 4,811 1,985 2,335 140 4,460 351 7,9%	92 91 50 351 4,475 25 4,851 2,005 2,380 141 4,526 324 7.2%	92 91 50 324 4,550 2,5 4,899 2,025 2,410 142 4,577 323 7,1%	92 91 51 323 4,595 25 4,943 2,050 2,425 142 4,617 325 7.0%	92 91 51 325 4,645 25 4,995 2,075 2,450 142 4,667 328	92 91 52 328 4,665 25 5,018 2,095 2,460 142 4,697 321 6.8%	92 91 52 321 4,715 25 5,061 2,120 2,475 142 4,737 324 6.8%	92 91 53 324 4,760 25 5,109 2,145 2,490 143 4,778 331 6,9%	

Source: USDA CRC estimates

Commodity Trends – Long Run Supply and Demand Projections (Cont.)

U.S. Wheat Balance Sheet - USDA Lon	Term Forecas	t (Feb 2018)											
Millions of bushels	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/2027	2027/2028
Planted	55	50	46	45	46	47	47	47	47	48	48	48	48
Harvested	47	44	38	38	39	40	40	40	40	41	41	41	41
Yield Per Harvested Acre (Bushels)	44	53	46	47	48	48	49	49	49	50	50	51	51
Beginning Stocks	752	976	1,181	935	813	739	714	690	667	648	650	658	667
Production	2,062	2,309	1,741	1,815	1,869	1,928	1,944	1,960	1,976	2,032	2,048	2,064	2,077
Imports	113	118	150	135	130	130	130	130	130	120	120	120	120
Total Supplies	2,927	3,402	3,071	2,885	2,812	2,797	2,788	2,780	2,773	2,800	2,818	2,842	2,864
Food	957	949	950	950	950	950	955	960	960	965	965	970	975
Seed	67	61	66	62	63	63	63	63	65	65	65	65	65
Feed&residual	152	156	120	110	100	110	110	110	110	120	120	130	140
Exports	775	1,055	1,000	950	960	960	970	980	990	1,000	1,010	1,010	1,010
Total Use	1,952	2,222	2,136	2,072	2,073	2,083	2,098	2,113	2,125	2,150	2,160	2,175	2,190
Ending Stocks	976	1,181	935	813	739	714	690	667	648	650	658	667	674
Stocks/Use	50.0%	53.2%	43.8%	39.2%	35.6%	34.3%	32.9%	31.6%	30.5%	30.2%	30.5%	30.7%	30.8%
Average Price (\$/bu)	\$4.89	\$3.89	\$4.60	\$4.60	\$4.80	\$4.90	\$5.00	\$5.10	\$5.10	\$5.10	\$5.10	\$5.10	\$5.20
Value of Production	\$10,083	\$8,982	\$8,009	\$8,349	\$8,971	\$9,447	\$9,720	\$9,996	\$10,078	\$10,363	\$10,445	\$10,526	\$10,800
% change y/y	-17%	-11%	-11%	4%	7%	5%	3%	3%	1%	3%	1%	1%	3%
Total	Acreage and V	alue of U.S. C	orn, Soy and	Wheat Prod	luction - USI	OA February	2018 Projec	ction					
Total Corn, Soy, Wheat	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24	2024/25	2025/26	2026/2027	2027/2028
Planted (mm acres)	226	228	227	227	227	229	229	229	228	228	228	227	227
Harvested (mm acres)	210	213	210	212	212	213	213	213	212	213	212	212	212
Yield (bu/acre)	93	102	99	98	98	99	100	101	101	102	103	104	105
Production	19,589	21,753	20,744	20,695	20,794	21,083	21,249	21,475	21,521	21,762	21,893	22,024	22,247

Source: USDA, Cleveland Research estimates

\$4.81

-10%

\$94,320

\$4.62

\$100,562

\$4.62

-5%

\$95,811

\$4.70

2%

\$97,249

\$4.77

2%

\$99,271

\$4.79

\$100,914 \$103,112

\$4.85

\$4.86

\$104,377

\$4.93

\$106,075

\$4.99

\$108,574

\$5.00

1%

\$109,371

\$5.05

\$111,134

Average Price (\$/bu)

Value of Production

% change y/y

24

\$5.09

\$113,234

U.S. Acreage Planted Per Crop Year

