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OCTOBER CROP PRODUCTION

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Minnesota **corn** production is forecast at 1.42 billion bushels, down 4 percent from last year. Based on conditions as of October 1, yields are expected to average 191.0 bushels per acre, unchanged from the September 1 forecast but a decrease of 3.0 bushels per acre from last year. Corn planted acreage is estimated at 7.90 million acres, up 100,000 acres from the previous forecast. An estimated 7.45 million of the acres planted will be harvested for grain, up 50,000 acres from the previous forecast.

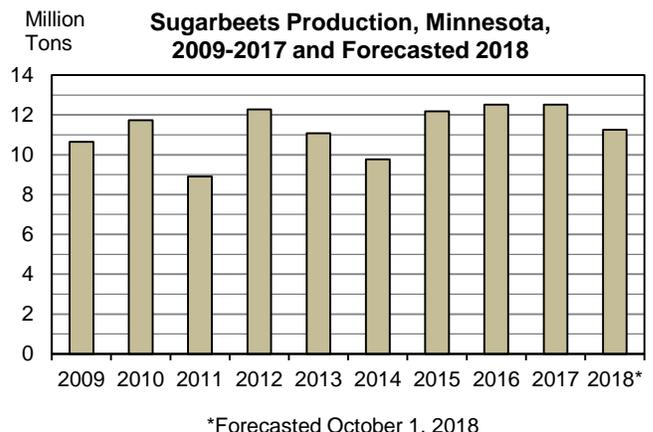
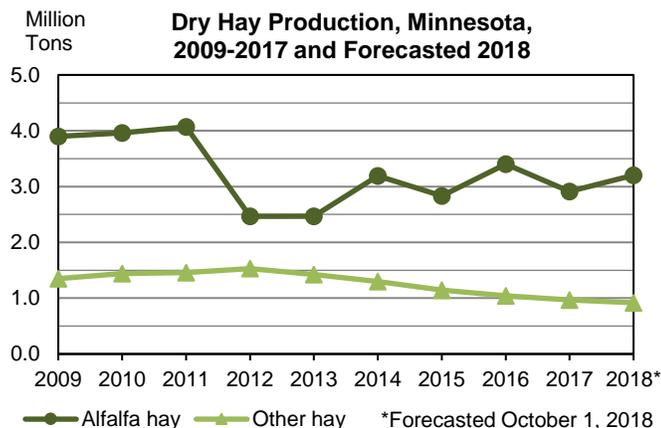
Soybean production is forecast at 386 million bushels, slightly above last year. The yield is forecast at 50.0 bushels per acre, unchanged from the September 1 forecast but 2.5 bushels above 2017. Soybean planted acreage is estimated at 7.80 million acres with 7.71 million acres to be harvested, down 30,000 acres harvested from the previous forecast.

Production of **alfalfa and alfalfa mixtures for hay** is forecast at 3.20 million tons, up 10 percent from the previous year. Yield is expected to average 3.60 tons per acre, up 0.25 ton from last year. Harvested area is forecast at 890,000 acres, up 20,000 acres from 2017. Production of **other hay** is forecast at 918,000 tons, down 5 percent from last year. Yields are expected to average 1.80 tons per acre. Harvested area is forecast at 510,000 acres, equal to last year.

Dry edible bean production is forecast at 4.18 million cwt, up 17 percent from last year. An expected 167,000 acres will be harvested, with an expected yield of 2,500 pounds per acre. This is the highest yield and production on record. **Sugarbeet** production is estimated at 11.3 million tons, down 10 percent from last year. Yield is forecast at 28.2 tons per acre, down 1.9 tons from the September forecast and down 2.4 tons from 2017. Acres expected to be harvested decreased 10,000 acres from last year to 399,000 acres. **Sunflower** production is forecast at 82.9 million pounds, up 26 percent from 2017. Yield is forecast at 1,657 pounds per acre, with an expected 50,000 acres harvested. **Canola** production is forecast at 81.4 million pounds, up 15 percent from 2017. Yield is forecast at 1,850 pounds per acre, with an expected 44,000 acres harvested.

The forecasts in this report are based on October 1 conditions and do not reflect weather effects since that time. The next corn and soybean production forecasts, based on conditions as of November 1, will be released on November 8.

NOTE: Following a thorough review of all data, 2017 soybean yield and production have been revised. The 2017 yield, at 47.5 bushels per acre, is up 0.5 bushel from the previous estimate. Production has been revised to 384 million bushels, up 4.05 million bushels from the previous estimate. Updated 2017 district and county estimates will be available in February 2019.



**Area Harvested, Yield, and Production Summary – Minnesota and United States:
2017 and Forecasted October 1, 2018**

Crop	Area Harvested		Yield per acre		Production	
	2017	2018	2017	2018	2017	2018
	(1,000 acres)	(1,000 acres)			(1,000)	(1,000)
MINNESOTA						
Canola.....pounds	34.5	44.0	2,050	1,850	70,725	81,400
Corn.....bushels	7,630	7,450	194.0	191.0	1,480,220	1,422,950
Dry edible beans ¹cwt	163.0	167.0	2,190	2,500	3,567	4,175
Hay, alfalfa.....tons	870	890	3.35	3.60	2,915	3,204
Hay, other.....tons	510	510	1.90	1.80	969	918
Soybeans.....bushels	8,090	7,710	47.5	50.0	384,275	385,500
Sugarbeets.....tons	409.0	399.0	30.6	28.2	12,515	11,252
Sunflowers.....pounds	36.3	50.0	1,814	1,657	65,835	82,850
UNITED STATES						
Canola.....pounds	2,002.0	1,941.1	1,558	1,864	3,118,680	3,619,020
Corn.....bushels	82,703	81,767	176.6	180.7	14,604,067	14,777,826
Dry edible beans ¹cwt	2,012.7	2,009.0	1,781	1,884	35,845	37,848
Hay, alfalfa.....tons	16,563	17,351	3.32	3.43	55,068	59,527
Hay, other.....tons	37,221	37,717	2.05	1.98	76,387	74,857
Soybeans.....bushels	89,522	88,348	49.3	53.1	4,410,673	4,689,628
Sugarbeets.....tons	1,114.1	1,098.8	31.7	32.0	35,325	35,215
Sunflowers.....pounds	1,333.8	1,240.0	1,616	1,560	2,155,262	1,934,980

¹ Yield in pounds, production in hundredweight.

U.S. Corn Supply and Use ¹

CORN	2016-2017	2017-2018 (Est.)	2018-2019 ² Projections October
	(million bushels)	(million bushels)	(million bushels)
Beginning stocks	1,737	2,293	2,140
Production	15,148	14,604	14,778
Imports	57	36	50
Supply, total	16,942	16,934	16,968
Feed & residual	5,470	5,302	5,550
Food, seed & industrial	6,885	7,054	7,130
Domestic, total	12,355	12,355	12,680
Exports	2,294	2,438	2,475
Use, total	14,649	14,793	15,155
Ending stocks	2,293	2,140	1,813
Avg. Farm price (\$/bu)	3.36	3.36	3.00 - 4.00

¹ Source: USDA OCE World Agricultural Supply and Demand Estimates Report
<http://www.usda.gov/oce/commodity/wasde/index.htm>

² Preliminary

U.S. Wheat Supply and Use ¹

WHEAT	2016-2017	2017-2018 (Est.)	2018-2019 ² Projections October
	(million bushels)	(million bushels)	(million bushels)
Beginning stocks	976	1,181	1,099
Production	2,309	1,740	1,884
Imports	118	157	140
Supply, total	3,402	3,078	3,123
Food	949	964	970
Seed	61	63	62
Feed & residual	161	50	110
Domestic, total	1,171	1,078	1,142
Exports	1,051	901	1,025
Use, total	2,222	1,979	2,167
Ending stocks	1,181	1,099	956
Avg. Farm price (\$/bu)	3.89	4.72	4.80 - 5.40

¹ Source: USDA OCE World Agricultural Supply and Demand Estimates Report
<http://www.usda.gov/oce/commodity/wasde/index.htm>

² Preliminary

U.S. corn production is forecast at 14.8 billion bushels, down slightly from the September forecast but up 1 percent from last year. Based on conditions as of October 1, yields are expected to average 180.7 bushels per acre, down 0.6 bushel from the September forecast but up 4.1 bushels from 2017. If realized, this will be the highest yield and second highest production on record for the United States. Area harvested for grain is forecast at 81.8 million acres, down slightly from the previous estimate and down 1 percent from 2017. Acreage updates were made in several States based on a thorough review of all available data.

U.S. soybean production is forecast at a record 4.69 billion bushels, down slightly from September but up 6 percent from last year. Based on October 1 conditions, yields are expected to average a record 53.1 bushels per acre, up 0.3 bushel from last month and up 3.8 bushels from last year. Area for harvest in the United States is forecast at 88.3 million acres, down 1 percent from September and down 1 percent from 2017. Acreage updates were made in several States based on a thorough review of all available data.

U.S. Soybean Supply and Use ¹

SOYBEANS	2016-2017	2017-2018 (Est.)	2018-2019 ² Projections October
	(million bushels)	(million bushels)	(million bushels)
Beginning stocks	197	302	438
Production	4,296	4,411	4,690
Imports	22	22	25
Supply, total	4,515	4,734	5,153
Crushings	1,901	2,055	2,070
Exports	2,166	2,129	2,060
Seed	105	104	103
Residual	41	8	34
Use, total	4,214	4,296	4,268
Ending stocks	302	438	885
Avg. Farm price (\$/bu)	9.47	9.33	7.35 - 9.85

¹ Source: USDA OCE World Agricultural Supply and Demand Estimates Report
<http://www.usda.gov/oce/commodity/wasde/index.htm>

² Preliminary

CATTLE ON FEED

Cattle and calves on feed for the slaughter market in Minnesota for feedlots with a capacity of 1,000 or more head totaled 130,000 head on October 1, 2018. This is up 5,000 head from last month and up 10,000 head from last year.

Placements during September totaled 24,000 head, up 1,000 head from last month but down 2,000 head from last year. **Marketings** for September were 18,000 head, down 9,000 head from last month and down 7,000 head from last year. **Other disappearance** totaled 1,000 head.

Cattle and calves on feed for the slaughter market in the United States for feedlots with capacity of 1,000 or more head totaled 11.4 million head on October 1, 2018. The inventory was 5 percent above October 1, 2017. This is the highest October 1 inventory since the series began in 1996. The inventory included 7.09 million steers and steer calves, up 2 percent from the previous year. This group accounted for 62 percent of the total inventory. Heifers and heifer calves accounted for 4.31 million head, up 11 percent from 2017.

Placements in feedlots during September totaled 2.05 million head, 5 percent below 2017. Net placements were 1.99 million head. During September, placements of cattle and calves weighing less than 600 pounds were 425,000 head, 600-699 pounds were 330,000 head, 700-799 pounds were 430,000 head, 800-899 pounds were 466,000 head, 900-999 pounds were 280,000 head, and 1,000 pounds and greater were 120,000 head. Marketings of fed cattle during September totaled 1.72 million head, 4 percent below 2017. Other disappearance totaled 57,000 head during September, 2 percent below 2017.

Cattle on Feed, Placements, Marketings, and Other Disappearance by Month, 1,000+ Capacity Feedlots – Selected States and United States: 2017-2018

State	Cattle on feed ¹ October 1			Placements during September			Marketings during September			Other disappearance ² during September		
	2017	2018	'18 as % of '17	2017	2018	'18 as % of '17	2017	2018	'18 as % of '17	2017	2018	'18 as % of '17
	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)	(1,000 head)	(1,000 head)	(percent)
Arizona.....	248	295	119	20	24	120	15	23	153	1	1	100
California.....	430	520	121	56	48	86	44	49	111	2	4	200
Colorado.....	940	980	104	250	235	94	165	150	91	5	5	100
Idaho.....	245	260	106	55	49	89	48	39	81	2	5	250
Iowa.....	650	690	106	106	89	84	95	75	79	1	4	400
Kansas.....	2,250	2,370	105	435	445	102	390	375	96	15	10	67
Minnesota.....	120	130	108	26	24	92	25	18	72	1	1	100
Nebraska.....	2,290	2,430	106	570	520	91	420	410	98	10	10	100
Oklahoma.....	320	325	102	63	55	87	56	48	86	2	2	100
South Dakota....	220	215	98	48	59	123	42	42	100	1	2	200
Texas.....	2,600	2,660	102	440	395	90	415	405	98	15	10	67
Washington.....	200	220	110	34	44	129	33	33	100	1	1	100
Other States.....	300	305	102	47	64	136	35	52	149	2	2	100
United States....	10,813	11,400	105	2,150	2,051	95	1,783	1,719	96	58	57	98

¹ Cattle on feed are steers and heifers being fed a ration of grain, silage, hay and/or protein supplement for slaughter market that are expected to produce a carcass that will grade select or better. It excludes cattle being "backgrounded only" for later sale as feeders or later placement in another feedlot.

² Includes death loss, movement from feedlots to pasture, and shipments to other feedlots for further feeding.

Cattle on Feed, Number on Feed by Class, 1,000+ Capacity Feedlots by Quarter – Selected States and United States: 2017-2018

State	Steers & Steer Calves			Heifers & Heifer Calves		
	October 1, 2017	July 1, 2018	October 1, 2018	October 1, 2017	July 1, 2018	October 1, 2018
	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)	(1,000 head)
Arizona.....	241	290	288	7	7	7
California.....	400	470	465	30	60	55
Colorado.....	560	520	550	380	410	430
Idaho.....	165	170	175	80	70	85
Iowa.....	480	520	500	170	190	190
Kansas.....	1,160	1,150	1,220	1,090	1,090	1,150
Minnesota.....	98	108	105	22	27	25
Nebraska.....	1,490	1,580	1,510	800	820	920
Oklahoma.....	185	180	185	135	135	140
South Dakota....	135	130	115	85	85	100
Texas.....	1,700	1,680	1,650	900	1,060	1,010
Washington.....	130	145	140	70	85	80
Other States.....	190	190	190	110	115	115
United States....	6,934	7,133	7,093	3,879	4,154	4,307

MILK PRODUCTION

Milk production in Minnesota during September 2018 totaled 807 million pounds, up 2 percent from the previous September. The average number of milk cows during September, at 451,000 head, was the same as last month and down 6,000 from last year. Monthly production per cow averaged 1,790 pounds, up 50 pounds from last September.

Milk production in the 23 major States during September totaled 16.4 billion pounds, up 1.5 percent from September 2017. August revised production at 17.2 billion pounds, was up 1.3 percent from August 2017. The August revision represented a decrease of 10 million pounds or 0.1 percent from last month's preliminary production estimate. Production per cow in the 23 major States averaged 1,880 pounds for September, 30 pounds above September 2017. This is the highest production per cow for the month of September since the 23 State series began in 2003. The number of milk cows on farms in the 23 major States was 8.72 million head, 13,000 head less than September 2017, and 12,000 head less than August 2018.

Milk production in the United States during the July - September quarter totaled 54.0 billion pounds, up 0.9 percent from the July - September quarter last year. The average number of milk cows in the United States during the quarter was 9.38 million head, 27,000 head less than the April - June quarter, and 27,000 head less than the same period last year.

Milk Cows and Production – Selected States: September 2017 and 2018

State	Milk Cows ¹		Milk Per Cow ²		Milk Production ²		
	2017	2018	2017	2018	2017	2018	Change from 2017
	(1,000 head)	(1,000 head)	(pounds)	(pounds)	(million pounds)	(million pounds)	(percent)
Arizona	205	204	1,820	1,800	373	367	-1.6
California	1,745	1,734	1,760	1,855	3,071	3,217	4.8
Colorado	162	176	2,135	2,135	346	376	8.7
Florida	123	118	1,400	1,330	172	157	-8.7
Idaho	603	607	2,025	2,045	1,221	1,241	1.6
Illinois	93	90	1,600	1,540	149	139	-6.7
Indiana	187	183	1,820	1,760	340	322	-5.3
Iowa	219	220	1,915	1,895	419	417	-0.5
Kansas	152	160	1,880	1,870	286	299	4.5
Michigan	428	422	2,100	2,085	899	880	-2.1
Minnesota	457	451	1,740	1,790	795	807	1.5
New Mexico	331	327	1,965	2,005	650	656	0.9
New York	624	621	1,925	1,950	1,201	1,211	0.8
Ohio	264	255	1,710	1,660	451	423	-6.2
Oregon	123	122	1,675	1,690	206	206	0.0
Pennsylvania	525	517	1,655	1,610	869	832	-4.3
South Dakota	118	121	1,820	1,825	215	221	2.8
Texas	515	539	1,855	1,930	955	1,040	8.9
Utah	97	99	1,910	1,920	185	190	2.7
Vermont	128	126	1,710	1,720	219	217	-0.9
Virginia	87	82	1,580	1,505	137	123	-10.2
Washington	274	277	1,965	1,985	538	550	2.2
Wisconsin	1,277	1,273	1,930	1,975	2,465	2,514	2.0
23-State Total ..	8,737	8,724	1,850	1,880	16,162	16,405	1.5

¹ Includes dry cows, excludes heifers not yet fresh. ² Excludes milk sucked by calves.

TURKEYS RAISED

Turkeys Raised in the United States during 2018 is forecasted at 240 million, down 1 percent from the number raised during 2017. A combination of six states account for nearly two-thirds of the turkeys produced in the United States during 2018. The largest turkey producing state is Minnesota, at 42.5 million turkeys, up 1 percent from the previous year. North Carolina is down 5 percent from last year, producing 31.0 million turkeys. Arkansas produced 28.5 million turkeys, which is up 8 percent from the previous year. Indiana is up 3 percent from a year ago to 20.5 million turkeys. Missouri is down 8 percent from last year, producing 17.3 million turkeys. Virginia is up 1 percent from the previous year at 17.0 million turkeys.

Number of Turkeys Raised – States and United States: 2017 and 2018

State	Number raised		2018 as percent of 2017
	2017	2018	
	(1,000 head)	(1,000 head)	(percent)
Arkansas	26,500	28,500	108
California	11,500	11,000	96
Indiana	20,000	20,500	103
Iowa	12,000	11,400	95
Michigan	5,100	5,400	106
Minnesota	42,000	42,500	101
Missouri	18,800	17,300	92
North Carolina	32,500	31,000	95
Ohio	6,700	6,700	100
Pennsylvania	7,500	7,000	93
South Dakota	4,100	4,200	102
Utah	5,200	(D)	(D)
Virginia	16,800	17,000	101
West Virginia	3,700	3,600	97
Other States ¹	30,100	33,900	113
United States	242,500	240,000	99

(D) Withheld to avoid disclosing data for individual operations. ¹ Includes State estimates not shown and States withheld to avoid disclosing data for individual operations.