



# Agricultural Prices

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## November Prices Received Index Up 4.1 Percent

The November Prices Received Index 2011 Base (Agricultural Production), at 92.4, increased 4.1 percent from October and 2.2 percent from November 2019. At 91.1, the Crop Production Index is up 3.9 percent from last month and 7.1 percent from November 2019. The Livestock Production Index, at 94.2, increased 4.0 percent from October, but decreased 3.0 percent from November 2019. Producers received higher prices during November for broilers, soybeans, corn, and milk but lower prices for hogs, turkeys, market eggs, and oranges. In addition to prices, the volume change of commodities marketed also influences the indexes. In November, there was increased monthly movement for corn, milk, cattle, and cotton and decreased marketing of soybeans, grapes, wheat, and lettuce.

## November Prices Paid Index Up 0.7 Percent

The November Prices Paid Index for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW), at 111.9, is up 0.7 percent from October 2020 and 1.2 percent from November 2019. Higher prices in November for complete feeds, feeder cattle, concentrates, and other services more than offset lower prices for other machinery, gasoline, tractors, and nitrogen.

## Prices Received, Prices Paid, and Ratio of Prices Received to Prices Paid Indexes 2011 Base – United States: November 2020 with Comparisons

Index Group	November 2019 (percent)	October 2020 (percent)	November 2020 (percent)
Prices received by farmers .....	90.4	88.8	92.4
Prices paid by farmers .....	110.6	111.1	111.9
Ratio of prices received to prices paid .....	81	80	82

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## November Prices Received by Farmers

**Crop production:** The November index, at 91.1, is 3.9 percent higher than October and 7.1 percent higher than November 2019. The grain & oilseed and vegetable & melon index increases more than offset the other crop and fruit & tree nut index decreases.

**Grain and oilseed:** The November index, at 71.6, is up 1.7 percent from October and 10 percent from November 2019. The feed grain, food grain, and oilseed indexes all increased.

**Feed grain:** The November index, at 64.0, increased 5.3 percent from last month and 4.6 percent from November 2019. The corn price, at \$3.79 per bushel, is up 18 cents from last month and 11 cents from November 2019.

**Food grain:** At 80.4, the index for November increased 5.0 percent from the previous month and 8.1 percent from November 2019. The November price for all wheat, at \$5.24 per bushel, is 26 cents higher than October and 85 cents higher than November 2019. The November price for rice, at \$13.40 per cwt, is 20 cents higher than October but 20 cents lower than November 2019.

**Oilseed:** At 82.0, the index for November increased 6.5 percent from October and 19 percent from November 2019. The soybean price, at \$10.30 per bushel, is 67 cents higher than October and \$1.71 higher than November 2019.

**Fruit and tree nut:** The November index, at 141.1, is down 0.4 percent from October but up 10 percent from November 2019. Price decreases during November for oranges, grapefruit, and pears more than offset price increases for strawberries, lemons, and apples.

**Vegetable and melon:** At 154.1, the index for November increased 7.4 percent from the previous month and 6.7 percent from November 2019. Price increases during November for cauliflower, broccoli, and celery more than offset price declines for sweet corn, cantaloupes, and carrots.

**Other crop:** The November index, at 84.0, is down 4.0 percent from the previous month but up 2.2 percent from November 2019. The all hay price, at \$156.00 per ton, is \$2.00 lower than October and \$3.00 lower than November 2019. At 63.4 cents per pound, the price for upland cotton is 3.3 cents higher than October and 3.7 cents higher than November 2019.

**Livestock production:** The index for November, at 94.2, increased 4.0 percent from the previous month but decreased 3.0 percent from November 2019. Poultry & egg and dairy index increases more than offset the meat animal index decrease.

**Meat animal:** At 91.1, the November index decreased 0.8 percent from the previous month and 1.9 percent from a year earlier. At \$51.90 per cwt, the November hog price is \$4.40 lower than October but \$3.90 higher than November 2019. The November beef cattle price of \$107.00 per cwt is \$1.00 higher than the previous month but \$6.00 lower than November 2019.

**Dairy:** The index for November, at 106.0, is up 5.5 percent from the previous month and 1.0 percent from November 2019. The November all milk price of \$21.30 per cwt is \$1.10 higher than October and 20 cents higher than November 2019.

**Poultry and egg:** At 91.2, the November index increased 12 percent from October but decreased 7.9 percent from November 2019. The November broiler price, at 39.1 cents per pound, is 7.6 cents higher than October but 1.2 cents lower than November 2019. The November market egg price, at 72.4 cents per dozen, is 2.6 cents lower than October and 38.6 cents lower than November 2019. At 73.4 cents per pound, the November turkey price is 5.0 cents lower than the previous month but 6.3 cents higher than November 2019.

**Food Commodities:** The index, at 100.1, increased 6.4 percent from the previous month and 2.8 percent from November 2019.

## Prices Received Indexes, 2011 Base – United States: November 2020 with Comparisons

[Revised historical price indexes for months not shown are available at [www.nass.usda.gov](http://www.nass.usda.gov)]

Index Group	2011 Base		
	November 2019	October 2020	November 2020
	(percent)	(percent)	(percent)
Agricultural production .....	90.4	88.8	92.4
Crop production .....	85.1	87.7	91.1
Grain and oilseed .....	65.0	70.4	71.6
Feed grain .....	61.2	60.8	64.0
Food grain .....	74.4	76.6	80.4
Oilseed .....	68.7	77.0	82.0
Fruit and tree nut .....	128.0	141.7	141.1
Vegetable and melon .....	144.4	143.5	154.1
Other crop .....	82.2	87.5	84.0
Livestock production .....	97.1	90.6	94.2
Meat animal .....	92.9	91.8	91.1
Cattle .....	99.7	94.1	95.3
Hog .....	72.2	84.7	78.0
Dairy .....	105.0	100.5	106.0
Poultry and egg .....	99.0	81.4	91.2
Food commodity .....	97.4	94.1	100.1

## Prices Received Indexes, 1910-1914 Base – United States: November 2020 with Comparisons

[Revised historical price indexes for months not shown are available at [www.nass.usda.gov](http://www.nass.usda.gov)]

Index Group	1910 - 1914 Base		
	November 2019	October 2020	November 2020
	(percent)	(percent)	(percent)
Agricultural production .....	933	917	954
Crop production .....	742	765	794
Livestock production .....	1128	1052	1094

## Prices Received Indexes, 2011 Base by Month for Selected Groups – United States: 2019 and 2020

[Revised historical price indexes for months not shown are available at [www.nass.usda.gov](http://www.nass.usda.gov). Blank data cells indicate estimation period has not yet begun]

Month	2011 Base							
	Agricultural production		Crop production		Livestock production		Food commodities	
	2019	2020	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
January .....	86.4	89.0	78.7	82.6	97.8	98.5	92.9	96.5
February .....	90.3	90.6	85.1	86.4	95.2	94.7	94.3	95.0
March .....	93.3	93.4	87.8	89.0	98.1	97.4	98.0	98.9
April .....	93.7	85.1	85.8	92.8	100.5	78.4	97.7	88.2
May .....	92.6	88.3	85.0	94.9	99.1	82.6	96.1	92.5
June .....	93.7	89.2	89.9	91.8	97.3	86.7	96.7	93.7
July .....	91.3	87.4	89.2	89.9	93.7	84.5	93.4	91.3
August .....	91.5	88.2	89.2	92.5	93.7	83.9	94.1	91.9
September .....	88.0	89.0	88.5	93.7	87.3	84.1	89.9	92.6
October .....	86.0	88.8	83.1	87.7	90.6	90.6	89.3	94.1
November .....	90.4	92.4	85.1	91.1	97.1	94.2	97.4	100.1
December .....	91.2		86.1		97.1		96.9	

## Prices Paid Indexes, 2011 Base by Month for Selected Groups – United States: 2019 and 2020

[Revised historical price indexes for months not shown are available at [www.nass.usda.gov](http://www.nass.usda.gov). Blank data cells indicate estimation period has not yet begun]

Month	2011 Base							
	All items (PPITW)		Production		Crop sector		Livestock sector	
	2019	2020	2019	2020	2019	2020	2019	2020
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
January .....	110.5	111.4	107.4	107.6	111.6	112.0	109.3	110.7
February .....	110.6	111.1	107.5	107.1	111.8	112.0	109.4	110.1
March .....	110.7	110.1	107.6	105.9	111.6	111.5	109.8	108.7
April .....	111.3	108.9	108.4	104.5	111.6	111.1	110.9	106.7
May .....	110.9	109.0	107.8	104.7	111.7	111.2	109.9	106.7
June .....	110.4	109.2	107.2	104.9	111.8	111.6	108.9	106.8
July .....	110.6	109.7	107.3	105.4	112.1	111.8	109.1	107.5
August .....	109.9	109.9	106.2	105.6	111.4	111.8	108.2	107.9
September .....	109.6	110.3	105.8	106.1	111.0	111.9	108.0	108.6
October .....	110.4	111.1	106.7	107.2	111.6	112.3	109.0	109.9
November .....	110.6	111.9	107.1	108.3	111.7	112.5	109.4	111.3
December .....	110.9		107.4		111.9		109.7	

## Prices Received for Field Crops and Fruits – United States: November 2020 with Comparisons

[Price data source for non-citrus fruit commodities is United States Department of Agriculture's Agricultural Marketing Service]

Commodity	2011 Base Price	November 2019	October 2020	November 2020
<b>Field crops</b>				
Barley, all .....dollars/bushel	4.79	4.74	4.74	4.78
Feed .....dollars/bushel	4.59	2.81	3.28	3.32
Malting .....dollars/bushel	4.83	4.84	4.97	5.00
Beans, dry edible .....dollars/cwt	34.60	28.50	29.10	29.70
Canola .....dollars/cwt	23.10	14.30	16.20	18.10
Chickpeas, all .....dollars/cwt	35.70	16.50	19.40	19.00
Large .....dollars/cwt	39.20	15.40	20.80	20.70
Small .....dollars/cwt	23.40	17.90	17.60	16.30
Corn .....dollars/bushel	6.02	3.68	3.61	3.79
Cotton, Upland .....dollars/pound	0.880	0.597	0.601	0.634
Cottonseed .....dollars/ton	131.00	162.00	189.00	199.00
Flaxseed .....dollars/bushel	14.20	8.70	9.76	10.70
Hay, all, baled .....dollars/ton	159.00	159.00	158.00	156.00
Alfalfa .....dollars/ton	176.00	169.00	171.00	167.00
Other .....dollars/ton	119.00	140.00	132.00	136.00
Lentils .....dollars/cwt	27.50	15.00	18.10	18.20
Oats .....dollars/bushel	3.42	2.95	2.73	3.02
Peanuts, in-shell .....dollars/pound	0.252	0.192	0.209	0.212
Peas, dry edible .....dollars/cwt	13.60	9.52	9.05	9.09
Rice, all .....dollars/cwt	13.70	13.60	13.20	13.40
Long .....dollars/cwt	12.30	11.60	12.20	12.10
Medium and short .....dollars/cwt	18.40	18.30	17.70	16.70
Sorghum grain .....dollars/cwt	10.70	5.67	7.99	8.61
Soybeans .....dollars/bushel	12.50	8.59	9.63	10.30
Sunflowers, all .....dollars/cwt	29.00	17.70	19.10	18.90
Wheat, all .....dollars/bushel	7.44	4.39	4.98	5.24
Winter .....dollars/bushel	6.93	4.35	4.97	5.34
Durum .....dollars/bushel	9.22	4.17	5.65	5.82
Other spring .....dollars/bushel	8.33	4.53	4.90	5.02
Hard red winter .....dollars/bushel	7.07	4.03	4.77	5.22
Soft red winter .....dollars/bushel	6.77	5.29	5.58	6.03
Hard red spring .....dollars/bushel	8.38	4.48	4.88	4.98
White .....dollars/bushel	6.58	5.42	5.21	5.38
<b>Fruits</b>				
Citrus, equivalent on-tree				
Grapefruit .....dollars/box	7.47	15.86	22.81	21.38
Lemons .....dollars/box	12.30	29.70	24.74	25.45
Oranges .....dollars/box	8.16	15.18	23.80	18.83
Non-citrus, fresh <sup>1</sup>				
Apples .....dollars/pound	0.325	0.333	0.691	0.697
Grapes .....dollars/ton	628.00	1,500.00	2,010.00	2,020.00
Peaches .....dollars/ton	507.00	(S)	(S)	(S)
Pears .....dollars/ton	559.00	678.00	1,400.00	1,340.00
Strawberries .....dollars/cwt	104.00	115.00	208.00	231.00

(S) Insufficient number of reports to establish an estimate.

<sup>1</sup> Beginning February 2020, price reflects FOB shipping point basis

## Prices Received for Vegetables and Livestock – United States: November 2020 with Comparisons

[Price data source for vegetables, livestock, and poultry commodities is United States Department of Agriculture's Agricultural Marketing Service]

Commodity	2011 Base Price	November 2019	October 2020	November 2020
<b>Vegetables, fresh <sup>1</sup></b>				
Asparagus .....dollars/cwt	37.50	(S)	(S)	(S)
Beans, snap .....dollars/cwt	69.00	99.10	78.40	77.70
Broccoli .....dollars/cwt	41.60	57.50	64.50	106.00
Cantaloupes .....dollars/cwt	16.50	24.30	26.30	22.60
Carrots .....dollars/cwt	30.80	29.70	45.10	42.30
Cauliflower .....dollars/cwt	47.00	92.20	45.80	95.90
Celery .....dollars/cwt	22.50	35.60	36.90	49.80
Corn, sweet .....dollars/cwt	30.70	34.30	61.20	35.60
Cucumbers .....dollars/cwt	18.70	31.10	25.00	31.80
Lettuce .....dollars/cwt	24.30	65.30	48.60	58.30
Onions <sup>2</sup> .....dollars/cwt	11.90	10.90	20.00	20.50
Potatoes .....dollars/cwt	14.30	13.90	11.20	10.90
Tomatoes .....dollars/cwt	51.20	54.40	86.50	82.60
<b>Livestock</b>				
Calves .....dollars/cwt	142.00	158.00	156.00	162.00
Cattle, all beef .....dollars/cwt	115.00	113.00	106.00	107.00
Cows <sup>3</sup> .....dollars/cwt	71.60	57.70	60.00	59.30
Steers and heifers .....dollars/cwt	117.00	115.00	108.00	109.00
Milk cows <sup>4</sup> .....dollars/head	1,420.00	(NA)	1,340.00	(NA)
Hogs, all .....dollars/cwt	66.50	48.00	56.30	51.90
Barrows and gilts .....dollars/cwt	66.80	48.20	57.30	52.30
Sows .....dollars/cwt	57.90	41.90	29.90	41.80
<b>Dairy and poultry</b>				
Milk, all <sup>5</sup> .....dollars/cwt	20.10	21.10	20.20	21.30
Fat test .....percent	3.71	4.07	4.02	4.09
Broilers, live <sup>6</sup> .....dollars/pound	0.459	0.403	0.315	0.391
Eggs, all .....dollars/dozen	0.969	1.28	0.994	0.969
Market <sup>7</sup> .....dollars/dozen	0.796	1.11	0.750	0.724
Turkeys, live <sup>8</sup> .....dollars/pound	0.680	0.671	0.784	0.734
<b>Adjusted for seasonal variation</b>				
Eggs, all .....dollars/dozen	0.979	1.07	1.07	0.816
Seasonal factor .....percent	101	120	93	119
Milk, all .....dollars/cwt	20.20	19.60	19.20	19.80
Seasonal factor .....percent	100	107	105	107

(NA) Not available.

(S) Insufficient number of reports to establish an estimate.

<sup>1</sup> Beginning February 2020, price reflects FOB shipping point basis

<sup>2</sup> Includes some processing.

<sup>3</sup> Beef cows and cull dairy cows sold for slaughter.

<sup>4</sup> Animals sold for dairy herd replacement only. Prices available for January, April, July, and October.

<sup>5</sup> Before deductions for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies.

<sup>6</sup> Live weight equivalent price.

<sup>7</sup> Also referred to as table eggs.

<sup>8</sup> Live weight equivalent price is used when actual live weight price is not available. Beginning January 2011, price reflects FOB shipping point basis. Prior year price reflects delivered basis.



## Prices Received for All Wheat, Corn, and Soybeans by Month – United States: 2020 with Comparisons

[Blank data cells indicate estimation period has not yet begun]

Month	All wheat			Corn			Soybeans		
	2018	2019	2020	2018	2019	2020	2018	2019	2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
January .....	4.65	5.28	4.88	3.29	3.56	3.79	9.30	8.64	8.84
February .....	4.92	5.33	4.88	3.38	3.60	3.78	9.50	8.52	8.60
March .....	5.10	5.19	4.86	3.51	3.61	3.68	9.81	8.52	8.47
April .....	5.28	4.93	4.85	3.58	3.53	3.29	9.85	8.28	8.35
May .....	5.39	4.78	4.76	3.68	3.63	3.20	9.84	8.02	8.28
June .....	5.19	4.81	4.56	3.58	3.98	3.16	9.55	8.31	8.34
July .....	5.00	4.52	4.54	3.47	4.16	3.21	9.08	8.38	8.50
August .....	5.31	4.34	4.55	3.36	3.93	3.12	8.59	8.22	8.66
September ...	5.15	4.26	4.73	3.40	3.80	3.40	8.78	8.35	9.24
October .....	5.22	4.45	4.98	3.42	3.85	3.61	8.59	8.60	9.63
November ....	5.23	4.39	5.24	3.41	3.68	3.79	8.36	8.59	10.30
December ....	5.28	4.64		3.54	3.71		8.56	8.70	

## Prices Received for Beef Cattle and All Hogs by Month – United States: 2020 with Comparisons

[Price data source for livestock commodities is United States Department of Agriculture's Agricultural Marketing Service. Blank data cells indicate estimation period has not yet begun]

Month	Beef cattle <sup>1</sup>			All hogs <sup>2</sup>		
	2018	2019	2020	2018	2019	2020
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
January .....	120.00	121.00	122.00	52.50	44.60	47.80
February .....	125.00	123.00	120.00	54.60	43.40	45.50
March .....	125.00	126.00	113.00	50.00	46.50	47.70
April .....	119.00	125.00	108.00	45.30	59.40	42.30
May .....	120.00	120.00	109.00	51.50	62.30	51.00
June .....	112.00	114.00	109.00	59.10	59.50	41.30
July .....	110.00	112.00	97.10	58.60	56.60	39.90
August .....	110.00	111.00	103.00	44.30	58.50	42.90
September .....	108.00	103.00	104.00	43.20	47.70	49.70
October .....	110.00	107.00	106.00	50.30	49.10	56.30
November .....	113.00	113.00	107.00	46.20	48.00	51.90
December .....	117.00	118.00		43.40	47.30	

<sup>1</sup> Cows and steers & heifers.

<sup>2</sup> Barrows & gilts and sows.

## Prices Received for All Wheat – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arizona .....	(D)	(D)	(D)
Arkansas .....	(D)	(D)	(S)
California .....	(D)	(D)	(D)
Colorado .....	3.65	4.75	4.98
Idaho .....	5.04	4.85	5.08
Illinois .....	5.41	5.27	(D)
Indiana .....	5.27	5.78	5.94
Kansas .....	3.85	5.01	5.23
Michigan .....	5.19	5.51	5.70
Minnesota .....	4.41	4.96	4.82
Missouri .....	5.32	5.76	6.58
Montana .....	4.56	4.31	5.17
Nebraska .....	3.70	4.67	5.18
North Carolina .....	5.40	5.47	5.70
North Dakota .....	4.15	4.96	5.09
Ohio .....	5.29	5.83	5.70
Oklahoma .....	4.05	5.01	5.18
Oregon .....	5.66	5.84	6.06
South Dakota .....	4.41	4.89	4.93
Texas .....	3.84	5.17	5.28
Washington .....	5.49	5.52	5.47
United States .....	4.39	4.98	5.24

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

## Prices Received for Winter Wheat – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arkansas .....	(D)	(D)	(S)
California .....	(D)	(D)	(D)
Colorado .....	3.65	4.75	4.98
Idaho .....	5.04	4.83	5.07
Illinois .....	5.41	5.27	(D)
Indiana .....	5.27	5.78	5.94
Kansas .....	3.85	5.01	5.23
Michigan .....	5.19	5.51	5.70
Missouri .....	5.32	5.76	6.58
Montana .....	4.40	3.76	5.22
Nebraska .....	3.70	4.67	5.18
North Carolina .....	5.40	5.47	5.70
North Dakota .....	3.68	3.99	4.09
Ohio .....	5.29	5.83	5.70
Oklahoma .....	4.05	5.01	5.18
Oregon .....	5.66	5.84	6.06
South Dakota .....	4.20	4.88	4.98
Texas .....	3.84	5.17	5.28
Washington .....	5.46	5.49	5.46
United States .....	4.35	4.97	5.34

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

**Prices Received for Durum Wheat – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arizona .....	(D)	(D)	(D)
California .....	(S)	(D)	(D)
Idaho .....	(D)	(S)	(D)
Montana .....	4.50	(D)	(D)
North Dakota .....	3.82	5.71	5.89
United States .....	4.17	5.65	5.82

(D) Withheld to avoid disclosing data for individual operations.  
(S) Insufficient number of reports to establish an estimate.

**Prices Received for Spring Wheat – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Idaho .....	5.05	4.90	5.10
Minnesota .....	4.41	4.96	4.82
Montana .....	4.75	4.73	5.05
North Dakota .....	4.25	4.81	4.96
South Dakota .....	4.66	4.89	4.83
Washington .....	5.70	5.68	5.55
United States .....	4.53	4.90	5.02

**Prices Received for Oats – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Illinois .....	(S)	(S)	(S)
Iowa .....	3.73	2.81	(D)
Michigan .....	3.68	3.07	3.38
Minnesota .....	2.50	2.30	2.60
Montana .....	(S)	(D)	(S)
Nebraska .....	(D)	(D)	(D)
New York .....	(S)	(S)	(S)
North Dakota .....	2.50	2.37	2.35
Oregon .....	(S)	(S)	(S)
Pennsylvania .....	4.46	3.77	(D)
South Dakota .....	2.92	2.57	2.57
Texas .....	(S)	(D)	(S)
Wisconsin .....	3.45	2.43	2.37
United States .....	2.95	2.73	3.02

(D) Withheld to avoid disclosing data for individual operations.  
(S) Insufficient number of reports to establish an estimate.

**Prices Received for All Barley – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California .....	(D)	(D)	(D)
Colorado .....	(D)	5.03	5.11
Idaho .....	4.96	4.90	4.94
Minnesota .....	4.47	4.26	(D)
Montana .....	4.38	4.49	4.52
North Dakota .....	4.65	4.28	4.61
Washington .....	4.65	5.21	5.06
Wyoming .....	(D)	(D)	(D)
United States .....	4.74	4.74	4.78

(D) Withheld to avoid disclosing data for individual operations.

**Prices Received for Feed Barley – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California .....	(S)	(S)	(D)
Colorado .....	(S)	(D)	(S)
Idaho .....	2.79	3.42	3.46
Minnesota .....	(D)	3.51	(S)
Montana .....	2.47	3.28	2.62
North Dakota .....	2.78	3.15	3.33
Washington .....	2.79	3.21	3.13
Wyoming .....	(S)	(D)	(S)
United States .....	2.81	3.28	3.32

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

**Prices Received for Malting Barley – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California .....	(D)	(D)	(S)
Colorado .....	(D)	(D)	5.11
Idaho .....	5.08	5.08	5.05
Minnesota .....	(D)	(D)	(D)
Montana .....	4.40	4.73	4.74
North Dakota .....	4.73	4.46	4.98
Washington .....	(D)	(D)	(D)
Wyoming .....	(D)	(D)	(D)
United States .....	4.84	4.97	5.00

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

### Prices Received for Corn – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Colorado .....	3.84	4.18	4.04
Illinois .....	3.66	3.63	3.75
Indiana .....	3.92	3.73	3.82
Iowa .....	3.64	3.61	3.82
Kansas .....	3.58	3.75	3.99
Kentucky .....	3.96	3.70	4.19
Michigan .....	3.87	3.67	3.76
Minnesota .....	3.48	3.36	3.58
Missouri .....	3.77	3.63	3.81
Nebraska .....	3.64	3.57	3.76
North Carolina .....	4.33	4.32	4.63
North Dakota .....	3.40	3.33	3.56
Ohio .....	4.06	3.78	3.91
Pennsylvania .....	4.27	4.21	4.60
South Dakota .....	3.57	3.37	3.54
Tennessee .....	3.87	3.95	4.31
Texas .....	4.28	4.11	4.25
Wisconsin .....	3.52	3.37	3.57
United States .....	3.68	3.61	3.79

### Prices Received for Sorghum Grain – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Kansas .....	5.59	7.99	8.60
Nebraska .....	5.58	7.64	7.91
Oklahoma .....	6.00	8.59	9.11
Texas .....	6.28	8.17	8.81
United States .....	5.67	7.99	8.61

**Prices Received for Soybeans – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arkansas .....	9.00	9.98	10.30
Illinois .....	8.96	9.93	10.10
Indiana .....	8.94	9.81	10.30
Iowa .....	8.50	9.59	10.30
Kansas .....	8.24	9.53	10.40
Kentucky .....	9.06	9.69	10.20
Louisiana .....	8.85	10.10	10.40
Michigan .....	8.68	9.92	10.80
Minnesota .....	8.49	9.48	9.91
Mississippi .....	8.91	9.79	10.00
Missouri .....	8.75	9.71	10.30
Nebraska .....	8.17	9.45	10.10
North Carolina .....	8.52	9.80	10.30
North Dakota .....	8.01	9.15	9.68
Ohio .....	9.13	9.98	10.70
South Dakota .....	8.30	9.31	9.78
Tennessee .....	9.05	9.85	10.60
Wisconsin .....	8.39	9.45	10.40
United States .....	8.59	9.63	10.30

**Prices Received for Dry Beans – States and United States: November 2020 with Comparisons**

State	November 2019	October 2020	November 2020
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
California .....	53.30	(D)	63.90
Colorado .....	34.90	(D)	(D)
Idaho .....	(D)	(D)	(D)
Michigan .....	32.00	29.50	27.80
Minnesota .....	(D)	37.40	32.30
Nebraska .....	(D)	(D)	(D)
North Dakota .....	25.00	23.90	26.70
United States .....	28.50	29.10	29.70

(D) Withheld to avoid disclosing data for individual operations.

### Prices Received for Canola – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Minnesota .....	(D)	16.90	(D)
Montana .....	13.60	14.40	16.90
North Dakota .....	14.30	16.30	18.20
Oklahoma .....	(S)	(S)	(S)
United States .....	14.30	16.20	18.10

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

### Prices Received for Flaxseed – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
North Dakota .....	8.70	9.76	10.70
United States .....	8.70	9.76	10.70

### Prices Received for Peanuts (in shell) – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per pound)	(dollars per pound)	(dollars per pound)
Alabama .....	0.155	0.204	0.196
Arkansas .....	0.191	0.195	0.195
Florida .....	0.197	0.201	0.213
Georgia .....	0.181	0.202	0.200
Mississippi .....	0.184	0.201	0.195
New Mexico .....	0.511	0.319	0.573
North Carolina .....	0.224	0.225	0.215
Oklahoma .....	0.260	0.232	0.235
South Carolina .....	0.193	0.208	0.209
Texas .....	0.305	0.305	0.288
Virginia .....	0.206	0.220	0.218
United States .....	0.192	0.209	0.212

### Prices Received for Sunflower – States and United States: November 2020 with Comparisons

State	November 2019	October 2020	November 2020
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Kansas .....	16.90	(D)	22.90
Minnesota .....	(D)	(D)	(D)
North Dakota .....	17.80	19.70	19.10
South Dakota .....	17.50	17.80	17.10
United States .....	17.70	19.10	18.90

(D) Withheld to avoid disclosing data for individual operations.

## Prices Received for Upland Cotton and Cottonseed – States and United States: November 2020 with Comparisons

[Cottonseed marketing year August - February]

State	Cotton, Upland			Cottonseed		
	November 2019	October 2020	November 2020	November 2019	October 2020	November 2020
	(dollars per pound)	(dollars per pound)	(dollars per pound)	(dollars per ton)	(dollars per ton)	(dollars per ton)
Alabama .....	0.685	(D)	0.608	121.00	139.00	141.00
Arizona .....	(D)	(D)	(D)	223.00	300.00	245.00
Arkansas .....	0.599	0.638	0.660	176.00	190.00	202.00
California .....	(D)	(S)	(S)	(NA)	335.00	340.00
Georgia .....	0.631	(D)	0.697	115.00	148.00	151.00
Louisiana .....	0.665	0.639	0.637	155.00	200.00	175.00
Mississippi .....	0.572	(D)	0.623	160.00	210.00	228.00
North Carolina .....	0.584	(D)	0.651	141.00	171.00	192.00
Tennessee .....	0.650	0.666	(D)	158.00	182.00	251.00
Texas .....	0.581	0.583	0.618	172.00	180.00	197.00
United States .....	0.597	0.601	0.634	162.00	189.00	199.00

(D) Withheld to avoid disclosing data for individual operations.

(NA) Not available.

(S) Insufficient number of reports to establish an estimate.

## Prices Received and Marketings for Upland Cotton and Rice – United States: November 2020 with Comparisons

Item	November 2019	October 2020	November 2020
<b>Cotton, Upland</b>			
Average price ..... dollars/pound	0.597	0.601	0.634
Marketings <sup>1</sup> ..... 1,000 bales	2,174	1,107	2,198
<b>Rice, all</b>			
Average price ..... dollars/cwt	13.60	13.20	13.40
Marketings <sup>2</sup> ..... 1,000 cwt	12,357	16,089	14,904
<b>Rice, long</b>			
Average price ..... dollars/cwt	11.60	12.20	12.10
Marketings <sup>2</sup> ..... 1,000 cwt	8,603	13,030	10,759
<b>Rice, medium and short</b>			
<b>California</b>			
Average price ..... dollars/cwt	20.80	19.50	18.40
<b>Other States <sup>3</sup></b>			
Average price ..... dollars/cwt	11.50	12.60	12.60
<b>United States</b>			
Average price ..... dollars/cwt	18.30	17.70	16.70
Marketings <sup>2</sup> ..... 1,000 cwt	3,754	3,059	4,145

<sup>1</sup> Marketings based on a survey of cotton buyers in the major producing States - Alabama, Arizona, Arkansas, California, Georgia, Louisiana, Mississippi, North Carolina, Tennessee, and Texas.

<sup>2</sup> Purchases by private firms and rice (rough equivalent) shipped by cooperatives.

<sup>3</sup> Other States include Arkansas, Louisiana, Mississippi, Missouri, and Texas.



**Prices Received for Hay by Type – States and United States: November 2020 with Comparisons**

State	All hay			Alfalfa hay			Other hay		
	November 2019	October 2020	November 2020	November 2019	October 2020	November 2020	November 2019	October 2020	November 2020
	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)	(dollars per ton)
Arizona .....	191.00	175.00	180.00	190.00	175.00	180.00	200.00	185.00	185.00
California .....	191.00	178.00	180.00	205.00	185.00	190.00	145.00	150.00	145.00
Colorado .....	234.00	201.00	191.00	235.00	200.00	190.00	230.00	215.00	205.00
Idaho .....	159.00	153.00	162.00	160.00	155.00	165.00	150.00	140.00	135.00
Illinois .....	165.00	156.00	155.00	180.00	175.00	170.00	125.00	120.00	115.00
Iowa .....	145.00	111.00	118.00	152.00	123.00	122.00	99.00	94.00	100.00
Kansas .....	117.00	122.00	127.00	127.00	140.00	144.00	92.00	92.00	94.00
Kentucky .....	141.00	155.00	155.00	205.00	215.00	215.00	125.00	140.00	140.00
Michigan .....	163.00	167.00	170.00	185.00	180.00	185.00	140.00	145.00	145.00
Minnesota .....	161.00	112.00	110.00	178.00	131.00	131.00	130.00	89.00	88.00
Missouri .....	118.00	114.00	112.00	150.00	155.00	155.00	110.00	105.00	100.00
Montana .....	142.00	128.00	128.00	140.00	130.00	130.00	150.00	120.00	115.00
Nebraska .....	100.00	102.00	100.00	106.00	108.00	107.00	84.00	88.00	82.00
Nevada .....	174.00	185.00	185.00	175.00	185.00	185.00	165.00	190.00	180.00
New Mexico .....	216.00	216.00	216.00	220.00	225.00	225.00	190.00	170.00	170.00
New York .....	177.00	150.00	171.00	209.00	190.00	195.00	175.00	140.00	165.00
North Dakota .....	86.00	79.00	79.00	88.00	83.00	80.00	62.00	72.00	68.00
Ohio .....	145.00	161.00	165.00	205.00	195.00	200.00	135.00	135.00	140.00
Oklahoma .....	97.00	102.00	121.00	155.00	174.00	171.00	87.00	91.00	111.00
Oregon .....	199.00	203.00	198.00	195.00	210.00	210.00	205.00	180.00	175.00
Pennsylvania .....	200.00	176.00	199.00	235.00	245.00	250.00	195.00	157.00	185.00
South Dakota .....	108.00	101.00	105.00	115.00	109.00	117.00	87.00	84.00	82.00
Texas .....	138.00	150.00	151.00	202.00	193.00	204.00	129.00	140.00	142.00
Utah .....	184.00	184.00	194.00	185.00	185.00	195.00	145.00	125.00	125.00
Washington .....	194.00	196.00	190.00	200.00	190.00	190.00	180.00	210.00	190.00
Wisconsin .....	223.00	158.00	186.00	232.00	170.00	196.00	186.00	132.00	147.00
Wyoming .....	182.00	169.00	170.00	185.00	170.00	170.00	160.00	165.00	170.00
United States .....	159.00	158.00	156.00	169.00	171.00	167.00	140.00	132.00	136.00

**Prices Received for Premium and Supreme Alfalfa Hay – States and 5-State Total: November 2020**

State	November 2019	October 2020	November 2020
	(dollars per ton)	(dollars per ton)	(dollars per ton)
California .....	225.00	215.00	220.00
Idaho .....	180.00	170.00	180.00
Michigan .....	205.00	210.00	215.00
Minnesota .....	268.00	173.00	189.00
New York .....	245.00	239.00	239.00
Pennsylvania .....	300.00	270.00	270.00
Texas .....	225.00	217.00	219.00
Wisconsin .....	294.00	187.00	209.00
5-State Total <sup>1 2</sup> .....	209.00	194.00	200.00

<sup>1</sup> 5-State total represents a weighted (hay purchases) average price for the five largest milk producing States (based on the pounds of milk produced during the previous month).

<sup>2</sup> For November 2019, includes California, Idaho, New York, Texas, and Wisconsin. For October 2020, includes California, Idaho, New York, Texas, and Wisconsin. For November 2020, includes California, Idaho, New York, Texas, and Wisconsin.

**Prices Received for Citrus Fruits by Utilization – United States: November 2019**

Commodity	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
Grapefruit .....	33.50	18.17	23.14	3.96	15.86	20.87	1.51
Lemons .....	52.30	36.28	41.83	(D)	29.70	35.05	(D)
Oranges .....	31.90	18.08	21.35	(D)	15.18	18.47	(D)

(D) Withheld to avoid disclosing data for individual operations.

**Prices Received for Citrus Fruits by Utilization – United States: October 2020**

Commodity	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
Grapefruit .....	39.60	25.40	28.35	6.28	22.81	25.86	3.11
Lemons .....	46.90	31.46	36.30	(D)	24.74	29.38	(D)
Oranges .....	42.90	26.73	31.88	(D)	23.80	28.97	(D)

(D) Withheld to avoid disclosing data for individual operations.

**Prices Received for Citrus Fruits by Utilization – United States: November 2020**

Commodity	FOB packed fresh	Equivalent returns					
		Packinghouse door			On-tree		
		All	Fresh	Process	All	Fresh	Process
	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)	(dollars per box)
Grapefruit .....	40.60	23.96	29.20	6.62	21.38	26.73	3.68
Lemons .....	47.60	32.17	36.96	(D)	25.45	30.04	(D)
Oranges .....	37.90	21.78	27.08	3.19	18.83	24.16	0.14

(D) Withheld to avoid disclosing data for individual operations.

## Prices Received for All Milk – States and United States: November 2020 with Comparisons

[Before deduction for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies]

State	November 2019		October 2020		November 2020	
	Price (dollars per cwt)	Fat test (percent)	Price (dollars per cwt)	Fat test (percent)	Price (dollars per cwt)	Fat test (percent)
Arizona .....	19.40	3.84	15.70	3.74	16.70	3.81
California .....	19.50	3.95	21.20	3.90	23.00	4.01
Colorado .....	20.30	3.99	17.00	3.92	17.80	3.99
Florida .....	23.10	3.76	20.10	3.75	22.20	3.74
Georgia .....	21.50	3.81	19.30	3.70	21.00	3.75
Idaho .....	21.70	4.13	21.70	4.13	21.20	4.29
Illinois .....	21.60	4.11	19.20	4.00	20.70	4.07
Indiana .....	20.30	3.98	17.70	3.99	19.40	4.07
Iowa .....	23.30	4.15	22.50	4.13	23.30	4.21
Kansas .....	20.20	4.14	18.80	4.09	19.60	4.12
Michigan .....	19.20	3.99	16.90	3.93	18.50	3.98
Minnesota .....	23.20	4.22	23.30	4.20	24.00	4.28
New Mexico .....	19.90	4.02	18.10	3.87	19.10	3.92
New York .....	20.50	4.02	18.80	3.99	20.00	4.05
Ohio .....	20.70	4.08	18.80	3.97	20.00	4.02
Oregon .....	24.60	4.20	23.80	4.13	25.90	4.27
Pennsylvania .....	21.10	4.02	18.80	4.01	20.20	4.05
South Dakota .....	24.10	4.44	24.50	4.41	24.90	4.50
Texas .....	22.10	4.41	19.90	4.25	21.00	4.33
Utah .....	21.70	4.12	18.90	4.05	21.40	4.11
Vermont .....	20.90	4.04	19.20	4.02	20.50	4.08
Virginia .....	21.20	3.98	19.50	3.94	21.10	3.96
Washington .....	20.70	4.20	18.40	4.13	19.80	4.27
Wisconsin .....	22.50	4.05	21.50	4.05	22.70	4.06
United States .....	21.10	4.07	20.20	4.02	21.30	4.09

## Prices Received for Milk Cows – States and United States: October 2020 with Comparisons

[Animals sold for dairy herd replacement only. Quarterly United States milk cow prices are based on revised milk cow inventory]

State	October 2019	July 2020	October 2020
	(dollars per head)	(dollars per head)	(dollars per head)
Arizona .....	1,450	1,450	1,450
California .....	1,400	1,350	1,350
Colorado .....	1,300	1,250	1,350
Florida .....	1,280	1,360	1,440
Georgia .....	1,300	1,270	1,300
Idaho .....	1,350	1,350	1,350
Illinois .....	1,200	1,310	1,310
Indiana .....	1,250	1,220	1,260
Iowa .....	1,280	1,260	1,290
Kansas .....	1,300	1,400	1,420
Michigan .....	1,320	1,320	1,360
Minnesota .....	1,160	1,160	1,240
New Mexico .....	1,400	1,400	1,400
New York .....	1,260	1,230	1,240
Ohio .....	1,120	1,170	1,220
Oregon .....	1,350	1,250	1,300
Pennsylvania .....	1,190	1,250	1,270
South Dakota .....	1,250	1,250	1,300
Texas .....	1,350	1,350	1,400
Utah .....	1,250	1,200	1,250
Vermont .....	1,300	1,260	1,270
Virginia .....	1,120	1,190	1,270
Washington .....	1,350	1,300	1,350
Wisconsin .....	1,270	1,350	1,420
United States .....	1,310	1,310	1,340

## Parity Price Overview

Parity prices, based on data from January 2020, and adjusted base price data from which parity prices are computed are presented in the tables on the following pages. Parity prices are computed under the provisions of Title III, Subtitle A, Section 301(a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, 1954, and 1956.

The parity prices shown in this report are based on the provisions of the amended Act. Briefly, the actual method of computation is as follows:

- a. The average of prices received by farmers for individual commodities for the 10 preceding years is calculated (for 2020, the 10-average includes the years 2010-2019). An allowance for unredeemed loans and other supplemental payments resulting from price support programs, such as the deficiency payments for grains and cotton, is included for those commodities for which applicable.
- b. This 10-year average is divided by the average of the Index of Prices Received by Farmers for the same 10 preceding calendar years, adjusted to include an allowance for unredeemed loans and other supplemental price support operations, to give an "adjusted base price".
- c. Parity prices are computed by multiplying the "adjusted base prices" by the current Parity Index (the Index of Prices Paid by Farmers, including Interest, Taxes, and Wage Rates, 1910-1914=100).

Parity prices are calculated in terms of prices received by farmers in the local markets in which they ordinarily sell. This means that the parity prices apply to the average of all classes and grades of the commodity as sold by all farmers in the United States, except as otherwise specified. Fruits and vegetables for fresh use and for processing are usually considered separate commodities and separate parity prices are calculated. The Agricultural Marketing Agreement Act of 1937 provided for parity prices for certain commodities covered by a marketing agreement or order program. Under present legislation, United States parity prices, with appropriate adjustments where needed, may be used for the purpose of this Act.

## Commodity Parity Prices and Price as Percent of Parity Price – United States: November 2020 with Comparisons

[Parity prices are computed under the provisions of Title III, Subtitle a, Section 301 (a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, and 1956. See February *Agricultural Prices* for details on adjusted base price and parity price computations. Parity data not available for blank cells. Primary source of data for livestock and milk prices is United States Department of Agriculture's Agricultural Marketing Service]

Commodity and unit	Adjusted base price	Parity price			Price as percent of parity		
		November 2019	October 2020	November 2020	November 2019	October 2020	November 2020
	(dollars)	(dollars)	(dollars)	(dollars)	(percent)	(percent)	(percent)
<b>Basic commodities</b>							
All wheat .....bushel	0.558	17.10	16.80	16.90	26	30	31
Rice .....cwt	1.30	40.00	39.10	39.40	34	34	34
Corn .....bushel	0.433	13.10	13.00	13.10	28	28	29
<b>Cotton</b>							
Upland ..... pound	0.070	2.06	2.10	2.12	29	29	30
American Pima ..... pound	0.135	4.18	4.06	4.09	28	26	26
Peanuts ..... pound	0.023	0.687	0.691	0.696	28	30	30
Small chickpeas <sup>1</sup> .....cwt	2.40	72.30	72.10	72.70	25	24	22
Large chickpeas <sup>1</sup> .....cwt	3.11	97.40	93.50	94.20	16	22	22
Lentils <sup>1</sup> .....cwt	2.39	76.20	71.80	72.40	20	25	25
<b>Designated non-basic</b>							
All milk, to plants <sup>2</sup> .....cwt	1.79	52.60	53.80	54.20	37	36	37
Honey, extracted <sup>3</sup> ..... pound	0.191	5.56	5.74	5.78	40	34	34
<b>Wool and mohair</b>							
Wool ..... pound	0.148	4.18	4.45	4.48	42	42	42
Mohair ..... pound	0.457	12.70	13.70	13.80	41	46	46
<b>Other non-basic</b>							
Apples, fresh <sup>4</sup> ..... pound	0.036	1.050	1.080	1.090	32	64	64
Barley .....bushel	0.495	15.00	14.90	15.00	32	32	32
Canola .....cwt	1.81	55.90	54.40	54.80	26	30	33
Cottonseed .....ton	19.30	582.00	580.00	584.00	28	33	34
Dry edible beans .....cwt	3.10	95.30	93.20	93.90	30	31	32
Flaxseed .....bushel	1.09	32.60	32.80	33.00	27	30	32
Oats .....bushel	0.290	8.60	8.72	8.78	34	31	34
Potatoes, fresh .....cwt	1.06	32.00	31.90	32.10	43	35	34
Sorghum grain .....cwt	0.735	22.20	22.10	22.30	26	36	39
Soybeans .....bushel	1.06	32.60	31.90	32.10	26	30	32
Sunflower, all .....cwt	2.07	62.70	62.20	62.70	28	31	30
<b>Citrus (equivalent on-tree)</b>							
Grapefruit .....box	0.905	25.00	27.20	27.40	63	84	78
Lemons .....box	1.98	55.90	59.50	60.00	53	42	42
Oranges .....box	1.050	30.20	31.60	31.80	50	75	59
<b>Livestock and poultry</b>							
Beef cattle .....cwt	11.90	349.00	358.00	360.00	32	30	30
Broilers ..... pound	0.052	1.55	1.56	1.57	26	20	25
Calves .....cwt	17.30	508.00	520.00	524.00	31	30	31
Eggs <sup>2</sup> .....dozen	0.101	3.05	3.04	3.06	35	35	27
Hogs .....cwt	5.71	170.00	172.00	173.00	28	33	30
Turkeys, live ..... pound	0.066	1.970	1.980	2.000	34	40	37

<sup>1</sup> Parity prices began January 2015.

<sup>2</sup> Seasonally adjusted price as percentage of parity price.

<sup>3</sup> Wholesale extracted. Adjusted base price derived from state annual averages prices weighted by production. For 1982 through 1985 the national averages are the support prices.

<sup>4</sup> Equivalent packinghouse-door returns for California, New York, Oregon, and Washington. Price at point of first sale for other states.

## Commodity Parity Prices – United States: November 2020 with Comparisons

[Parity prices are computed under the provisions of Title III, Subtitle a, Section 301 (a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, and 1956. See February *Agricultural Prices* for details on adjusted base price and parity price computations]

Commodity and unit	Adjusted base price	Parity price		
		November 2019	October 2020	November 2020
	(dollars)	(dollars)	(dollars)	(dollars)
<b>Field crops and miscellaneous</b>				
Hops .....pound	0.422	12.10	12.70	12.80
Mustard seed .....cwt	3.07	94.10	92.30	93.00
Rapeseed .....cwt	2.55	78.90	76.70	77.20
Rye .....bushel	0.631	18.80	19.00	19.10
Safflower .....cwt	2.19	65.40	65.80	66.30
Spearmint oil .....pound	1.74	52.30	52.30	52.70
Sweet potatoes .....cwt	2.01	61.50	60.40	60.90
<b>Tobacco</b>				
Flue-cured, 11-14 .....pound	0.185	5.59	5.56	5.60
Fire-cured, 21-23 .....pound	0.256	7.68	7.70	7.75
Burley, 31 .....pound	0.183	5.50	5.50	5.54
Maryland, 32 .....pound	0.174	5.17	5.23	5.27
Dark air-cured, 35-37 .....pound	0.228	6.84	6.85	6.90
Pennsylvania seedleaf, 41 .....pound	0.214	6.00	6.43	6.48
<b>Non-citrus fruit</b>				
Apples, processing <sup>1 2</sup> ..... ton	20.80	606.00	625.00	630.00
Apricots, fresh <sup>3</sup> ..... ton	127.00	3,820.00	3,820.00	3,850.00
Avocados <sup>2 3</sup> ..... ton	194.00	5,910.00	5,830.00	5,870.00
<b>Cherries</b>				
Sweet ..... ton	212.00	6,270.00	6,370.00	6,420.00
Tart <sup>2</sup> .....pound	0.029	0.896	0.872	0.878
Cranberry <sup>2 4</sup> .....barrel	3.38	106.00	102.00	102.00
Dates (California) <sup>3</sup> ..... ton	206.00	5,500.00	6,190.00	6,240.00
<b>Grapes (California)</b>				
Wine, processing ..... ton	78.50	2,270.00	2,360.00	2,380.00
Kiwifruit <sup>2</sup> ..... ton	117.00	3,140.00	3,520.00	3,540.00
Nectarines, fresh (California) <sup>3</sup> ..... ton	81.10	2,340.00	2,440.00	2,460.00
Olives, canning (California) <sup>4</sup> ..... ton	112.00	3,320.00	3,370.00	3,390.00

See footnote(s) at end of table.

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## Commodity Parity Prices – United States: November 2020 with Comparisons (continued)

[Parity prices are computed under the provisions of Title III, Subtitle a, Section 301 (a) of the Agricultural Adjustment Act of 1938 as amended by the Agricultural Acts of 1948, 1949, and 1956. See February *Agricultural Prices* for details on adjusted base price and parity price computations]

Commodity and unit	Adjusted base price	Parity price		
		November 2019	October 2020	November 2020
	(dollars)	(dollars)	(dollars)	(dollars)
<b>Non-citrus fruit - continued</b>				
Papayas (Hawaii) .....pound	0.042	1.34	1.26	1.27
Peaches, fresh <sup>4 6</sup> ..... ton	106.00	3,080.00	3,190.00	3,210.00
Pears, fresh <sup>6</sup> ..... ton	63.00	1,910.00	1,890.00	1,910.00
Plums (California) equivalent on-tree ..... ton	80.40	2,230.00	2,420.00	2,430.00
Fresh <sup>7</sup> ..... ton	176.00	5,320.00	5,290.00	5,330.00
<b>Strawberries</b>				
Fresh <sup>10</sup> .....pound	10.20	293.00	307.00	309.00
Processing .....pound	3.91	112.00	118.00	118.00
<b>Sugar crops</b>				
Sugarbeets <sup>2 8</sup> ..... ton	4.91	152.00	148.00	149.00
Sugarcane <sup>2 8</sup> ..... ton	3.49	105.00	105.00	106.00
<b>Tree nuts <sup>9</sup></b>				
Almonds .....pound	0.258	7.56	7.76	7.81
Hazelnuts ..... ton	237.00	7,080.00	7,120.00	7,180.00
Pistachios .....pound	0.250	7.29	7.52	7.57
Walnuts ..... ton	237.00	7,050.00	7,120.00	7,180.00
<b>Vegetables, fresh <sup>10</sup></b>				
Carrots <sup>11</sup> .....cwt	2.64	84.20	79.40	79.90
Cauliflower <sup>11</sup> .....cwt	4.62	139.00	139.00	140.00
Celery <sup>11</sup> .....cwt	2.13	61.20	64.00	64.50
Honeydew melons .....cwt	2.07	75.30	62.20	62.70
Lettuce .....cwt	2.74	75.30	82.40	83.00
Onions <sup>11</sup> .....cwt	1.44	42.10	43.30	43.60
Tomatoes .....cwt	4.05	120.00	122.00	123.00

<sup>1</sup> Equivalent returns at processing plant door.

<sup>2</sup> Adjusted base price is carried forward from the previous year since current marketing year average price is not yet available.

<sup>3</sup> Equivalent returns at packinghouse door.

<sup>4</sup> Equivalent returns for bulk fruit at first delivery point.

<sup>5</sup> Dried basis.

<sup>6</sup> Equivalent packinghouse-door returns for California, New York (apples only), Oregon (except peaches), and Washington. Price at point of first sale for other states.

<sup>7</sup> Based on "as sold" prices for fresh fruit in all states.

<sup>8</sup> Relates to prices including average conditional payments per ton made under the sugar acts of 1937 and 1948. Crop deficiency and abandonment payments not included.

<sup>9</sup> Prices In-Shell basis except almonds which are shelled basis.

<sup>10</sup> FOB shipping point price.

<sup>11</sup> Includes some processing.

## Marketing Year for Specified Commodities

**Hops:** September 1 to August 31 for all States.

### Prices Received for Hops – States and United States: 2018-2020

State	2018	2019	2020
	(dollars per pound)	(dollars per pound)	(dollars per pound)
Idaho .....	5.30	5.25	5.80
Oregon .....	5.40	5.50	6.00
Washington .....	5.50	5.80	6.00
United States .....	5.46	5.68	5.97



## Reliability of Prices Received Estimates

**Definition:** Prices received represent sales from producers to first buyers. They include all grades and qualities. The average commodity price from the survey multiplied by the total quantity marketed theoretically should give the total cash receipts for the commodity.

**Survey procedures:** Primary sales data used to determine grain prices were obtained from probability samples of about 1,900 mills and elevators. These procedures ensure that virtually all grain moving into commercial channels has a chance of being included in the survey. Generally, States surveyed account for 90 percent or more of total United States production. Livestock prices are obtained from packers, stockyards, auctions, dealers, and market check data from AMS-USDA, private marketing organizations, and state commodity groups and agencies. Inter-farm sales of grain and livestock are not included since they represent very small percentages of the total sales. Grain marketed for seed is also excluded. Fruit and vegetable prices are obtained from sample surveys and market check data from AMS-USDA, private marketing organizations, state agencies, and universities.

**Summary and estimation procedures:** Survey quantities sold are expanded by strata to state levels and used to weight average strata prices to a state average. State prices are then weighted to a United States price based on expanded sales. Recommendations are prepared by the Regional Field Offices and reviewed by the Agricultural Statistics Board in Washington, D.C. State recommendations are reviewed for reasonableness with survey data, other States, and recent historic estimates.

**Revisions:** In general, revisions are made during annual commodity market year estimation time, following five-year Census revisions, or when later information is received. Revisions are published in monthly issues of *Agricultural Prices*.

**Reliability:** United States price estimates based on probability surveys generally have a sampling error of less than one percent for the major commodities such as corn, wheat, soybeans, cotton, and rice. Current methods of summarization for non-probability commodities are not designed directly to calculate sampling errors. However, analytical measures approximate the United States relative sampling errors at around five percent. Any non-sampling errors are attributed to such things as the inability to obtain correct information, differences in interpreting questions or definitions, mistakes in coding or processing the data, etc. Efforts are made at each step in the survey process to minimize these non-sampling errors.

**Program Changes:** After the Council on Food, Agricultural and Resource Economics (C-FARE) 2009 program review which included changes in farm production practices, plans were implemented to make necessary program improvements in the agricultural price program. The index group structure for prices received was modified to maintain a more universal structure and consistency with the required 1910-1914 series.

Modifications implemented January 2014 include the following: updated the current 1990-1992 base reference period to 2011; linked the 1910-1914 series to the updated base reference period, 2011; created index groups used universally by researchers, data users, and policymakers; and re-classified agricultural commodities into the index groups. Also, the modifications expanded the commodity coverage for vegetable, melon, non-citrus, and tree nuts; updated monthly market weights; and adjusted (normalized) current five year moving average cash receipts and farm input cost weights.

Modifications implemented January 2015 discontinued preliminary prices and replaced the annual average index with an annual index.

The February 2016 program update changed the rounding of the 2011 base period indexes to nearest tenth of a percent. The 1910-1914 base period indexes remain rounded to the nearest whole number.

See Price Program Links at end of this report for program change details.

## November Prices Paid by Farmers

The November Prices Paid Index for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW), at 111.9, is up 0.7 percent from October 2020 and 1.2 percent from November 2019.

**Production:** The November index, at 108.3, is up 1.0 percent from October and 1.1 percent from last year. Higher prices for complete feeds, feeder cattle, concentrates, and other services more than offset lower prices for other machinery, gasoline, tractors, and nitrogen.

**Feed:** At 108.2, the November index increased 3.1 percent from October and 5.4 percent from last November. Higher prices for complete feeds, concentrates, feed grains, and supplements more than offset lower prices for hay and forages.

**Livestock and poultry:** The November index, at 102.2, increased 2.7 percent from October and unchanged from last year. Prices are higher for feeder cattle and feeder pigs. The November feeder cattle price, at \$142.00 per cwt, is up \$4.00 per cwt from October. The November feeder pigs price, at \$120.00 per cwt, is up \$9.00 per cwt from the previous month.

**Fertilizer:** The index for November, at 75.2, is up 1.8 percent from October and 7.7 percent above November a year ago. Since October, higher prices for mixed fertilizer and potash and phosphate more than offset lower prices for nitrogen.

**Chemicals:** The November index, at 99.9, is unchanged from October but up 0.9 percent from last November.

**Fuels:** At 73.2, the November index is up 1.7 percent from October but down 8.5 percent from November 2019. Compared with October, prices are higher for LP gas and diesel but lower for gasoline.

**Machinery:** The index for November, at 124.0, decreased 0.6 percent from October but increased 1.3 percent from last November. Compared with last month, prices are lower for other machinery and tractors.

**Consumer Price Index:** The November 2020 Consumer Price Index for All Urban Consumers (CPI-U), as issued by the Bureau of Labor Statistics, increased 1.2 percent over the last 12 months to an index level of 260.229 (1982-1984=100). For the month, the index decreased 0.1 percent prior to seasonal adjustment.

## Prices Paid Indexes and Related Parity Ratios – United States: November 2020 with Comparisons

[Revised historical price indexes for months not shown are available at [www.nass.usda.gov](http://www.nass.usda.gov)]

Index Group and Ratios	1910-1914 Base			2011 Base		
	November 2019	October 2020	November 2020	November 2019	October 2020	November 2020
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Prices paid by farmers for commodities, services, interest, taxes, and wage rates (PPITW) .....	2993	3006	3028	110.6	111.1	111.9
Production .....	2229	2231	2254	107.1	107.2	108.3
Feed .....	1132	1156	1192	102.7	104.9	108.2
Livestock and poultry .....	2017	1964	2018	102.2	99.5	102.2
Seeds .....	3800	3723	3723	115.6	113.3	113.3
Fertilizer .....	840	889	905	69.8	73.9	75.2
Chemicals .....	889	897	897	99.0	99.9	99.9
Fuels .....	2239	2015	2046	80.0	72.0	73.2
Supplies and repairs .....	1358	1381	1380	115.1	117.1	117.0
Autos and trucks .....	3230	3283	3286	105.1	106.8	106.9
Machinery .....	7477	7627	7575	122.4	124.8	124.0
Building materials .....	2742	2873	2861	117.9	123.5	123.0
Services and rent .....	2473	2482	2491	(NA)	(NA)	(NA)
Services .....	(NA)	(NA)	(NA)	116.4	116.4	117.0
Rent .....	(NA)	(NA)	(NA)	116.5	117.8	117.8
Interest <sup>1</sup> .....	4205	4307	4307	115.3	118.1	118.1
Taxes <sup>2</sup> .....	7000	7095	7095	117.9	119.5	119.5
Wage rates .....	9612	9644	9644	134.2	134.7	134.7
Family living-CPI <sup>3</sup> .....	2443	2474	2472	114.4	115.8	115.7
Production, interest, taxes, and wage rates (PITW) .....	3102	3111	3137	110.0	110.3	111.3
Ratio (received/paid) .....	(NA)	(NA)	(NA)	81	80	82
Parity ratio <sup>4</sup> .....	31	31	32	(NA)	(NA)	(NA)
Parity ratio adjusted <sup>5</sup> .....	33	32	33	(NA)	(NA)	(NA)
PPITW adjusted for productivity <sup>6</sup> .....	1691	1712	1715	(NA)	(NA)	(NA)
Crop sector (PPITW) .....	(NA)	(NA)	(NA)	111.7	112.3	112.5
Livestock sector (PPITW) .....	(NA)	(NA)	(NA)	109.4	109.9	111.3
Farm sector (production) .....	(NA)	(NA)	(NA)	105.1	104.7	107.2
Non-farm sector (production) .....	(NA)	(NA)	(NA)	108.2	108.7	109.0

(NA) Not available.

<sup>1</sup> Interest per acre on farm real estate debt and interest rate on farm non-real estate debt.

<sup>2</sup> Farm real estate taxes payable per acre.

<sup>3</sup> Bureau of Labor Statistics, Consumer Price Index for all urban consumers (CPI-U), converted by the USDA.

<sup>4</sup> Ratio of index of prices received to PPITW (1910-1914=100).

<sup>5</sup> Based on estimated cash receipts, from marketings and government payments, the preliminary adjustment factor is updated annually.

<sup>6</sup> PPITW is adjusted based on productivity trend for the prior 15 years.

## Prices Paid Indexes and Annual Weights for Input Components and Sub-components – United States: November 2020 with Comparisons

[Revised historical price indexes for months not shown are available at [www.nass.usda.gov](http://www.nass.usda.gov). Relative weights are a five year moving average]

Index Group	Relative weights		Indexes (2011=100)		
	2019	2020	November 2019	October 2020	November 2020
	(percent)	(percent)	(percent)	(percent)	(percent)
Production items .....	73.2	72.9	107.1	107.2	108.3
Feed .....	12.8	13.3	102.7	104.9	108.2
Feed grains .....	1.8	1.9	61.7	63.5	66.9
Complete feeds .....	6.3	6.5	108.4	111.2	114.7
Hay and forages .....	1.6	1.7	104.3	102.5	102.3
Concentrates .....	2.0	2.1	113.8	120.6	125.1
Supplements .....	1.1	1.1	116.2	113.4	117.6
Livestock and poultry .....	8.8	9.2	102.2	99.5	102.2
Feeder cattle .....	6.8	7.2	104.5	101.0	103.9
Feeder pigs .....	0.7	0.7	80.7	79.3	85.7
Milk cow replacements .....	0.7	0.7	92.3	94.4	94.4
Poultry .....	0.5	0.6	113.1	113.1	113.1
Seeds .....	5.4	5.1	115.6	113.3	113.3
Field crops .....	4.9	4.6	114.0	112.0	112.0
Grasses and legumes .....	0.5	0.5	131.8	125.4	125.4
Fertilizer .....	5.0	5.1	69.8	73.9	75.2
Mixed fertilizer .....	2.2	2.2	71.1	73.1	75.2
Nitrogen .....	2.1	2.1	72.4	74.5	74.3
Potash and phosphate .....	0.7	0.7	58.0	74.2	77.8
Chemicals .....	3.6	3.5	99.0	99.9	99.9
Herbicides .....	2.2	2.2	100.3	101.6	101.6
Insecticides .....	0.8	0.8	95.1	94.1	94.1
Fungicides and other .....	0.5	0.5	99.4	101.7	101.7
Fuels .....	2.8	3.2	80.0	72.0	73.2
Diesel .....	1.8	2.0	73.5	58.4	59.4
Gasoline .....	0.6	0.7	77.8	66.8	65.4
LP gas .....	0.5	0.5	106.9	129.1	133.7
Supplies and repairs .....	4.6	4.6	115.1	117.1	117.0
Supplies .....	1.5	1.5	116.0	118.4	118.4
Repairs .....	3.1	3.0	114.7	116.4	116.3
Autos and trucks .....	1.3	1.2	105.1	106.8	106.9
Autos .....	0.2	0.2	99.8	101.5	101.5
Trucks .....	1.1	1.1	105.9	107.6	107.7
Machinery .....	5.3	4.7	122.4	124.8	124.0
Tractors .....	1.2	1.0	111.1	112.8	112.0
Self-propelled .....	2.1	1.9	123.7	127.5	127.5
Other machinery .....	2.0	1.8	127.4	128.9	127.1
Building materials .....	4.1	4.0	117.9	123.5	123.0
Services .....	11.7	11.9	116.4	116.4	117.0
Custom rates .....	1.2	1.2	118.4	119.6	119.6
Other services .....	10.5	10.7	116.2	116.0	116.7
Rent .....	7.8	7.1	116.5	117.8	117.8
Cash .....	4.2	3.8	123.3	124.7	124.7
Share .....	3.6	3.3	108.6	109.7	109.7
Interest .....	2.6	2.6	115.3	118.1	118.1
Taxes .....	3.2	3.1	117.9	119.5	119.5
Wage rates .....	7.2	7.4	134.2	134.7	134.7
Family living-CPI .....	13.9	14.0	114.4	115.8	115.7

## Feed Price Ratios – United States: November 2020 with Comparisons

Feed price ratio <sup>1</sup>	November 2019	October 2020	November 2020
Broiler-feed: pounds of broiler grower feed equal in value to 1 pound of broiler, live weight <sup>2</sup> .....	4.1	3.0	3.5
Market egg feed: pounds of laying feed equal in value to 1 dozen eggs <sup>3</sup> .....	13.0	8.5	7.7
Hog-corn: bushels of corn equal in value to 100 pounds of hog, live weight .....	13.0	15.6	13.7
Milk-feed: pounds of 16% mixed dairy feed equal in value to 1 pound of whole milk <sup>4</sup> .....	2.65	2.50	2.58
Steer & heifer-corn: bushels of corn equal in value to 100 pounds of steer & heifers, live weight .....	31.3	29.9	28.8
Turkey-feed: pounds of turkey grower equal in value to 1 pound of turkey, live weight <sup>5</sup> .....	7.5	8.2	7.3

<sup>1</sup> Effective January 1995, prices of commercial prepared feeds are based on current United States prices received for corn, soybeans, alfalfa hay, and all wheat.

<sup>2</sup> The price of commercial prepared broiler feed is based on current United States prices received for corn and soybeans. The modeled feed uses 58 percent corn and 42 percent soybeans.

<sup>3</sup> The price of commercial prepared layer feed is based on current United States prices received for corn and soybeans. The modeled feed uses 75 percent corn and 25 percent soybeans.

<sup>4</sup> The price of commercial prepared dairy feed is based on current United States prices received for corn, soybeans, and alfalfa. The modeled feed uses 51 percent corn, 8 percent soybeans, and 41 percent alfalfa.

<sup>5</sup> The price of commercial prepared turkey feed is based on current United States prices received for corn, soybeans, and wheat. The modeled feed uses 51 percent corn, 28 percent soybeans, and 21 percent wheat.

## Prices Received Used to Calculate Feed Price Ratios – United States: November 2020 with Comparisons

[Price data source for livestock and poultry commodities is United States Department of Agriculture's Agriculture Marketing Service]

Item	November 2019	October 2020	November 2020
	(dollars)	(dollars)	(dollars)
Broilers, live ..... pound	0.403	0.315	0.391
Eggs, market ..... dozen	1.11	0.750	0.724
Hogs, all ..... cwt	48.00	56.30	51.90
Milk, all ..... cwt	21.10	20.20	21.30
Steers and heifers ..... cwt	115.00	108.00	109.00
Turkeys, live ..... pound	0.671	0.784	0.734
Corn ..... bushel	3.68	3.61	3.79
Hay, alfalfa ..... ton	169.00	171.00	167.00
Soybeans ..... bushel	8.59	9.63	10.30
Wheat, all ..... bushel	4.39	4.98	5.24

## Prices Paid for Feeder Livestock – United States: November 2020 with Comparisons

[Price data source is United States Department of Agriculture's Agriculture Marketing Service]

Item	November 2019	October 2020	November 2020
	(dollars)	(dollars)	(dollars)
Feeder cattle & calves ..... cwt	143.00	138.00	142.00
Feeder pigs ..... cwt	113.00	111.00	120.00

## Prices Paid by Farmers and Ranchers for Beef Cattle Production

The 2020 Prices Paid Index for Beef Cattle Production is 1,039 percent of its 1964-1968 base, up 0.5 percent from the previous year and 4.6 percent from two years ago.

The data presented in the following tables are calculated and published for use by the United States Forest Service, United States Department of Agriculture and the Bureau of Land Management, United States Department of the Interior in computing Public Land Grazing Fees.

The Index of Prices Paid by Farmers and Ranchers for Beef Cattle Production input items is for the period of November through October. The components of this index include the production indexes of Fuels, Supplies & Repairs, Autos & Trucks, Tractors & Self Propelled Machinery, Other Machinery, Building Materials, Interest, Wage Rates, and Farm Services & Rent. These components are weighted to the overall index value by their importance in the cost of producing beef cattle. The weights are prescribed by Federal Regulation Title 43, Subpart 4100 and Executive Order 12548.

### Prices Paid Index for Beef Cattle Production, 1964-1968 Base – United States: 2018-2020

[Average for November through October grazing season]

Index	2018 <sup>1</sup>	2019 <sup>2</sup>	2020 <sup>3</sup>
	(percent)	(percent)	(percent)
Beef Cattle Production .....	993	1,034	1,039

<sup>1</sup> November 2017 through October 2018

<sup>2</sup> November 2018 through October 2019

<sup>3</sup> November 2019 through October 2020

### Prices Received for Beef Cattle – Selected Regions: 2018-2020

[Average for November through October grazing season]

State	2018 <sup>1</sup>	2019 <sup>2</sup>	2020 <sup>3</sup>
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
17 Western States <sup>4</sup> .....	114.30	114.49	107.62
16 Western States <sup>5</sup> .....	113.46	114.08	106.95
11 Western States <sup>6</sup> .....	109.89	110.21	101.47
9 Great Plains States <sup>7</sup> .....	115.61	115.63	109.86

<sup>1</sup> November 2017 through October 2018

<sup>2</sup> November 2018 through October 2019

<sup>3</sup> November 2019 through October 2020

<sup>4</sup> 17 Western States: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming.

<sup>5</sup> 16 Western States: Arizona, California, Colorado, Idaho, Kansas, Montana, Nebraska, Nevada, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Utah, Washington, and Wyoming.

<sup>6</sup> 11 Western States: Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

<sup>7</sup> 9 Great Plain States: Colorado, Kansas, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, and Wyoming.

## Reliability of Prices Paid Estimates

**Definition:** Prices paid by farmers represent the average costs of inputs purchased by farmers and ranchers to produce agricultural commodities. Conceptually, the average price when multiplied by quantity purchased should equal total producer expenditures for the item.

**Survey procedures:** The prices paid data are obtained from establishments that sell goods and services to farmers and ranchers. Annually, about 8,500 firms are randomly selected from lists by type of item sold with an average response rate in the range of 75-80 percent. Firms are asked to report the price for the specified item "most commonly bought by farmers" or that was the "volume seller". Approximately 135 items are surveyed each March to represent all production input items purchased. The survey reference period for most items is the five business days centered at the 15th of the month. Separate prices paid surveys are conducted for agricultural chemicals, fuels, feed, fertilizer, machinery, and seed.

**Summary and estimation procedures:** The annual March Prices Paid Survey is summarized as a non-probability survey. Average prices reported are aggregated to the region and United States level using weights available from expenditure data and other administrative sources. Price recommendations are prepared by the Regional Field Offices and Headquarters for review by the Agricultural Statistics Board in Washington, D.C. Also, the change in price level for individual items surveyed are combined to the regional and United States levels, and are published as prices paid indexes referenced to a specific base period. Prices paid indexes for new autos and trucks, building materials, farm supplies, motor supplies, and marketing containers are updated based on price changes measured in selected Bureau of Labor Statistics (BLS) indexes.

**Revisions:** Any revisions are published in the monthly and in annual issues of Agricultural Prices. The basis for revision must be supported by additional data that directly affect the level of the estimate. More revisions are likely for March when separate prices paid surveys are conducted, in lieu of BLS indexes, by the USDA to measure price change.

**Reliability:** Current methods of summarization for the March data are not designed directly to calculate sampling errors. However, analytical measures approximate the United States relative sampling errors for major items around 10 percent. Any non-sampling errors are attributed to such things as the inability to obtain correct information, differences in interpreting questions or definitions, mistakes in coding or processing the data, etc. Efforts are made at each step in the survey process to minimize these non-sampling errors.

**Program change:** Effective January 2014, the National Agricultural Statistics Service modified the five-year moving weights and updated the base reference period. In January 2015, publication of preliminary prices was suspended, and the annual average index was replaced by an annual index.

As of January 2014, the 1990-1992 base reference period was updated to 2011. Five-year moving average weights are adjusted (normalized) to minimize the effects of price changes. The 1910-1914=100 price indexes, required by statute for computing parity prices, were linked forward based on the changes in the new 2011=100 indexes. The new indexes were constructed by multiplying the ratios of the current prices to the base period prices by the moving average weights.

Modifications implemented January 2015 discontinued preliminary prices and replaced the annual average index with an annual index.

The April 2015 program update discontinued publication of the annual March survey prices paid data.

The February 2016 program update changed the rounding of the 2011 base period indexes to nearest tenth of a percent. The 1910-1914 base period indexes remain rounded to the nearest whole number.

See Price Program Links at end of this report for program change details.

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Poultry Chicks, Feed Price Ratios..... (202) 690-3347

Max Reason – Prices Received Indexes, Parity Prices, Prices Paid Indexes..... (202) 720-8844



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- Cornell’s Mann Library has launched a new website housing NASS’s and other agencies archived reports. The new website, <https://usda.library.cornell.edu>. All email subscriptions containing reports will be sent from the new website, <https://usda.library.cornell.edu>. To continue receiving the reports via e-mail, you will have to go to the new website, create a new account and re-subscribe to the reports. If you need instructions to set up an account or subscribe, they are located at: <https://usda.library.cornell.edu/help>. You should whitelist [notifications@usda-esmis.library.cornell.edu](mailto:notifications@usda-esmis.library.cornell.edu) in your email client to avoid the emails going into spam/junk folders.

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## Price Program Links

Economics and Prices

[http://www.nass.usda.gov/Statistics\\_by\\_Subject/Economics\\_and\\_Prices/index.php](http://www.nass.usda.gov/Statistics_by_Subject/Economics_and_Prices/index.php)

January 2014 Price Program Update

[http://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Prices/updates.pdf](http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/updates.pdf)

January 2015 Price Program Update

[http://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Prices/update2015.pdf](http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/update2015.pdf)

April 2015 Price Program Update

[http://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Prices/updateApr2015.pdf](http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/updateApr2015.pdf)

February 2016 Price Program Update

[http://www.nass.usda.gov/Surveys/Guide\\_to\\_NASS\\_Surveys/Prices/updateFeb2016.pdf](http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/updateFeb2016.pdf)



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