



Agricultural Prices

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November Prices Received Index Up 4.6 Percent

The November Prices Received Index 2011 Base (Agricultural Production), at 88.6, increased 4.6 percent from October and 0.2 percent from November 2018. At 82.6, the Crop Production Index was up 1.7 percent from last month but down 1.8 percent from the previous year. The Livestock Production Index, at 96.6, increased 7.0 percent from October and 4.2 percent from November last year. Producers received higher prices during November for market eggs, lettuce, cattle, and milk but lower prices for corn, broilers, apples, and hogs. In addition to prices, the indexes are influenced by the volume change of commodities producers market. 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 0.3 Percent

The November Prices Paid Index for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW), at 110.4, is up 0.3 percent from October 2019 and 0.5 percent from November 2018. Higher prices in November for feeder cattle, herbicides, supplements, and feeder pigs more than offset lower prices for feed grains, other machinery, mixed fertilizer, and concentrates.

Prices Received, Prices Paid, and Ratio of Prices Received to Prices Paid Indexes 2011 Base – United States: November 2019 with Comparisons

Index Group	November 2018	October 2019	November 2019
	(percent)	(percent)	(percent)
Prices received by farmers	88.4	84.7	88.6
Prices paid by farmers	109.8	110.1	110.4
Ratio of prices received to prices paid	80	77	81

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November Prices Received by Farmers

Crop production: The November index, at 82.6, is 1.7 percent higher than October but 1.8 percent lower than November 2018. The increases in the vegetable & melon and the fruit & tree nut indexes more than offset the declines in the grain & oilseed and the other crop indexes.

Grain and oilseed: The November index, at 64.6, is down 3.4 percent from October but up 3.9 percent from November 2018. The decreases in the oilseed index and the feed grain index offset the higher food grain index.

Feed grain: The November index, at 61.2, decreased 4.2 percent from last month but increased 7.4 percent from a year ago. The corn price, at \$3.68 per bushel, is down 16 cents from last month but up 27 cents from November 2018.

Food grain: At 71.7, the index for November increased 2.4 percent from the previous month but decreased 7.4 percent from a year ago. The November price for all wheat, at \$4.39 per bushel, is 6 cents lower than October and 84 cents lower than November 2018. The November price for rice, at \$12.90 per cwt, is 30 cents higher than October and 30 cents higher than November 2018.

Oilseed: At 68.7, the index for November decreased 0.3 percent from October but increased 2.4 percent from November 2018. The soybean price, at \$8.59 per bushel, is 1 cent lower than October but 23 cents higher than November a year earlier.

Fruit and tree nut: The November index, at 129.1, is up 0.5 percent from October but down 0.5 percent from a year earlier. Price increases for grapes, strawberries, and oranges more than offset price decreases for apples and pears.

Vegetable and melon: At 141.1, the index for November increased 15.0 percent from the previous month but decreased 1.3 percent from November 2018. Price increases during November for lettuce, tomatoes, potatoes, and celery more than offset price declines for broccoli, onions, cauliflower, and cucumbers.

Other crop: The November index, at 81.1, is down 5.5 percent from the previous month and 9.2 percent from November 2018. The all hay price, at \$160.00 per ton, is \$1.00 lower than October and \$2.00 lower than November 2018. At 59.7 cents per pound, the price for upland cotton is 0.6 cents higher than October but 13.2 cents lower than November 2018.

Livestock production: The index for November, at 96.6, increased 7.0 percent from the previous month and 4.2 percent from November a year earlier. Compared with a year ago, prices are higher for milk, market eggs, turkeys, hogs, and beef cows. Prices for broilers and calves are lower than a year earlier.

Meat animal: At 92.6, the November index increased 3.5 percent from the previous month but decreased 0.5 percent from a year earlier. The November beef cattle price of \$113.00 per cwt is \$6.00 higher than the previous month but unchanged from November 2018. At \$48.00 per cwt, the November hog price is \$1.10 lower than October but \$1.80 higher than a year earlier.

Dairy: The index for November, at 104.5, is up 5.6 percent from the previous month and 22.1 percent from November a year ago. The November all milk price of \$21.00 per cwt is \$1.10 higher than October and \$3.80 higher than November 2018.

Poultry and egg: At 98.0, the November index increased 15.7 percent from October but decreased 6.7 percent from November 2018. The November market egg price, at \$1.12 per dozen, is 71.4 cents higher than October and 17.5 cents higher than November 2018. The November broiler price, at 39.0 cents per pound, is 1.5 cents lower than October and 10.0 cents lower than a year ago. At 67.4 cents per pound, the November turkey price is 3.5 cents higher than the previous month and 14.4 cents higher than November 2018.

Food Commodities: The index, at 96.2, increased 8.8 percent from the previous month and 2.1 percent from November 2018.

Prices Received Indexes, 2011 Base – United States: November 2019 with Comparisons

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Index Group	2011 Base		
	November 2018	October 2019	November 2019
	(percent)	(percent)	(percent)
Agricultural production	88.4	84.7	88.6
Crop production	84.1	81.2	82.6
Grain and oilseed	62.2	66.9	64.6
Feed grain	57.0	63.9	61.2
Food grain	77.4	70.0	71.7
Oilseed	67.1	68.9	68.7
Fruit and tree nut	129.8	128.5	129.1
Vegetable and melon	142.9	122.7	141.1
Other crop	89.3	85.8	81.1
Livestock production	92.7	90.3	96.6
Meat animal	93.1	89.5	92.6
Cattle	100.4	94.7	99.7
Hog	69.5	73.8	72.2
Dairy	85.6	99.0	104.5
Poultry and egg	105.0	84.7	98.0
Food commodity	94.2	88.4	96.2

Prices Received Indexes, 1910-1914 Base – United States: November 2019 with Comparisons

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Index Group	1910 - 1914 Base		
	November 2018	October 2019	November 2019
	(percent)	(percent)	(percent)
Agricultural production	913	874	915
Crop production	734	708	721
Livestock production	1076	1048	1121

Prices Received Indexes, 2011 Base by Month for Selected Groups – United States: 2018 and 2019

[Revised historical price indexes for months not shown are available at 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	
	2018	2019	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
January	86.0	85.2	78.6	77.3	94.4	97.2	92.7	92.4
February	90.9	89.2	86.8	83.6	93.9	94.7	95.2	93.8
March	94.9	91.9	87.9	85.7	99.5	97.5	99.7	97.2
April	92.8	92.8	88.3	84.6	95.7	100.1	96.1	97.5
May	94.7	91.9	89.0	83.9	98.3	98.8	98.1	96.0
June	95.1	92.5	90.3	87.7	98.5	97.0	98.9	95.8
July	91.7	89.9	86.9	86.7	95.6	93.5	95.0	92.0
August	89.7	90.5	89.7	87.4	89.7	93.7	92.1	93.5
September	88.4	87.0	88.1	86.7	88.7	87.3	90.9	89.3
October	85.2	84.7	80.2	81.2	91.4	90.3	88.9	88.4
November	88.4	88.6	84.1	82.6	92.7	96.6	94.2	96.2
December	90.2		87.7		92.4		94.5	

Prices Paid Indexes, 2011 Base by Month for Selected Groups – United States: 2018 and 2019

[Revised historical price indexes for months not shown are available at 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	
	2018	2019	2018	2019	2018	2019	2018	2019
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
January	108.2	110.9	105.4	107.7	109.5	112.2	106.8	109.5
February	108.9	111.0	106.3	107.8	109.7	112.4	108.0	109.6
March	108.9	111.1	106.3	107.8	109.8	112.2	107.9	110.0
April	108.6	111.7	106.1	108.6	109.5	112.2	107.6	111.1
May	109.1	111.1	106.6	107.8	109.8	112.1	108.2	110.0
June	108.9	110.6	106.3	107.1	109.9	112.1	107.7	108.9
July	109.0	110.7	106.0	107.1	110.3	112.3	107.6	109.1
August	109.2	110.2	106.2	106.3	110.4	111.9	107.8	108.2
September	109.2	109.6	106.2	105.5	110.4	111.2	107.7	107.8
October	109.8	110.1	106.8	106.1	110.8	111.4	108.5	108.7
November	109.8	110.4	107.0	106.5	111.3	111.5	108.2	109.1
December	110.1		107.3		111.3		108.7	

Prices Received for Field Crops and Fruits – United States: November 2019 with Comparisons

Commodity	2011 Base Price	November 2018	October 2019	November 2019	
Field crops					
Barley, all	dollars/bushel	4.79	4.78	4.53	4.74
Feed	dollars/bushel	4.59	3.23	3.11	2.81
Malting	dollars/bushel	4.83	4.85	4.70	4.84
Beans, dry edible	dollars/cwt	34.60	25.90	27.20	28.80
Canola	dollars/cwt	23.10	16.10	14.20	14.40
Chickpeas, all	dollars/cwt	35.70	21.00	19.10	16.50
Large	dollars/cwt	39.20	20.00	19.20	15.40
Small	dollars/cwt	23.40	21.60	18.90	17.90
Corn	dollars/bushel	6.02	3.41	3.84	3.68
Cotton, Upland	dollars/pound	0.880	0.729	0.591	0.597
Cottonseed	dollars/ton	131.00	152.00	154.00	163.00
Flaxseed	dollars/bushel	14.20	10.20	9.05	8.68
Hay, all, baled	dollars/ton	159.00	162.00	161.00	160.00
Alfalfa	dollars/ton	176.00	173.00	179.00	173.00
Other	dollars/ton	119.00	141.00	126.00	137.00
Lentils	dollars/cwt	27.50	18.10	17.40	14.90
Oats	dollars/bushel	3.42	2.55	2.82	2.95
Peanuts, in-shell	dollars/pound	0.252	0.216	0.204	0.192
Peas, dry edible	dollars/cwt	13.60	9.67	9.93	9.52
Rice, all	dollars/cwt	13.70	12.60	12.60	12.90
Long	dollars/cwt	12.30	10.90	11.50	11.60
Medium and short	dollars/cwt	18.40	17.00	16.00	15.90
Sorghum grain	dollars/cwt	10.70	5.53	5.88	5.64
Soybeans	dollars/bushel	12.50	8.36	8.60	8.59
Sunflowers, all	dollars/cwt	29.00	17.00	17.40	17.90
Wheat, all	dollars/bushel	7.44	5.23	4.45	4.39
Winter	dollars/bushel	6.93	5.20	4.36	4.36
Durum	dollars/bushel	9.22	4.72	4.63	4.15
Other spring	dollars/bushel	8.33	5.33	4.65	4.52
Hard red winter	dollars/bushel	7.07	4.99	3.91	4.03
Soft red winter	dollars/bushel	6.77	5.01	5.08	5.29
Hard red spring	dollars/bushel	8.38	5.33	4.58	4.47
White	dollars/bushel	6.58	5.48	5.36	5.42
Fruits					
Citrus, equivalent on-tree					
Grapefruit	dollars/box	7.47	20.89	13.58	15.86
Lemons	dollars/box	12.30	31.76	29.21	29.70
Oranges	dollars/box	8.16	15.61	11.87	15.18
Non-citrus, fresh					
Apples	dollars/pound	0.325	0.387	0.391	0.333
Grapes	dollars/ton	628.00	1,030.00	1,300.00	1,500.00
Peaches	dollars/ton	507.00	(S)	(S)	(S)
Pears	dollars/ton	559.00	616.00	693.00	678.00
Strawberries	dollars/cwt	104.00	99.00	100.00	115.00

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

Prices Received for Vegetables and Livestock – United States: November 2019 with Comparisons

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

Commodity	2011 Base Price	November 2018	October 2019	November 2019
Vegetables, fresh ¹				
Asparagus	dollars/cwt	37.50	(S)	(S)
Beans, snap	dollars/cwt	69.00	99.00	(S) 99.10
Broccoli	dollars/cwt	41.60	70.70	77.40 57.50
Cantaloupes	dollars/cwt	16.50	35.00	26.00 24.30
Carrots	dollars/cwt	30.80	26.50	29.30 29.70
Cauliflower	dollars/cwt	47.00	95.50	111.00 92.20
Celery	dollars/cwt	22.50	30.50	29.90 35.60
Corn, sweet	dollars/cwt	30.70	45.80	(S) 34.30
Cucumbers	dollars/cwt	18.70	37.50	39.60 31.10
Lettuce	dollars/cwt	24.30	76.70	39.20 65.30
Onions ²	dollars/cwt	11.90	11.30	13.70 10.90
Potatoes	dollars/cwt	14.30	9.22	12.80 13.90
Tomatoes	dollars/cwt	51.20	55.50	40.90 54.40
Livestock				
Calves	dollars/cwt	142.00	169.00	154.00 158.00
Cattle, all beef	dollars/cwt	115.00	113.00	107.00 113.00
Cows ³	dollars/cwt	71.60	52.70	60.90 57.70
Steers and heifers	dollars/cwt	117.00	115.00	109.00 115.00
Milk cows ⁴	dollars/head	1,420.00	(NA)	1,310.00 (NA)
Hogs, all	dollars/cwt	66.50	46.20	49.10 48.00
Barrows and gilts	dollars/cwt	66.80	46.30	49.70 48.20
Sows	dollars/cwt	57.90	43.30	33.10 41.90
Dairy and poultry				
Milk, all ⁵	dollars/cwt	20.10	17.20	19.90 21.00
Fat test	percent	3.71	4.05	3.99 4.06
Broilers, live ⁶	dollars/pound	0.459	0.490	0.405 0.390
Eggs, all ⁷	dollars/dozen	0.969	1.13	0.663 1.29
Market ^{7 8}	dollars/dozen	0.796	0.945	0.406 1.12
Turkeys, live ⁹	dollars/pound	0.680	0.530	0.639 0.674
Adjusted for seasonal variation				
Eggs, all	dollars/dozen	0.979	0.861	0.773 0.977
Seasonal factor	percent	101	131	86 132
Milk, all	dollars/cwt	20.20	16.10	18.80 19.70
Seasonal factor	percent	100	107	106 107

(NA) Not available.

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

¹ Point of first sale.

² Includes some processing.

³ Beef cows and cull dairy cows sold for slaughter.

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

⁵ Before deductions for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies.

⁶ Live weight equivalent price.

⁷ Mid-month price.

⁸ Also referred to as table eggs.

⁹ 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: 2019 with Comparisons

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

Month	All wheat			Corn			Soybeans		
	2017	2018	2019	2017	2018	2019	2017	2018	2019
	(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	4.01	4.65	5.28	3.40	3.29	3.56	9.71	9.30	8.64
February	4.16	4.92	5.33	3.44	3.38	3.60	9.86	9.50	8.52
March	4.37	5.10	5.19	3.49	3.51	3.61	9.69	9.81	8.52
April	4.16	5.28	4.93	3.43	3.58	3.53	9.33	9.85	8.28
May	4.05	5.39	4.78	3.45	3.68	3.63	9.29	9.84	8.02
June	4.37	5.19	4.81	3.43	3.58	3.98	9.10	9.55	8.31
July	4.77	5.00	4.52	3.49	3.47	4.16	9.42	9.08	8.38
August	4.84	5.31	4.35	3.27	3.36	3.93	9.24	8.59	8.22
September	4.65	5.15	4.26	3.27	3.40	3.80	9.35	8.78	8.35
October	4.64	5.22	4.45	3.26	3.42	3.84	9.18	8.59	8.60
November	4.72	5.23	4.39	3.15	3.41	3.68	9.22	8.36	8.59
December	4.50	5.28		3.23	3.54		9.30	8.56	

Prices Received for Beef Cattle and All Hogs by Month – United States: 2019 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 ¹			All hogs ²		
	2017	2018	2019	2017	2018	2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
January	117.00	120.00	121.00	48.10	52.50	44.60
February	119.00	125.00	123.00	54.40	54.60	43.40
March	125.00	125.00	126.00	53.00	50.00	46.50
April	128.00	119.00	125.00	48.40	45.30	59.40
May	136.00	120.00	120.00	53.60	51.50	62.30
June	132.00	112.00	114.00	62.10	59.10	59.50
July	120.00	110.00	112.00	67.30	58.60	56.60
August	114.00	110.00	111.00	61.50	44.30	58.50
September	105.00	108.00	103.00	48.90	43.20	47.70
October	109.00	110.00	107.00	47.30	50.30	49.10
November	119.00	113.00	113.00	50.00	46.20	48.00
December	118.00	117.00		48.60	43.40	

¹ Cows and steers & heifers.

² Barrows & gilts and sows.

Prices Received for All Wheat – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arizona	(D)	(D)	(D)
Arkansas	(D)	(S)	(D)
California	(D)	(D)	(D)
Colorado	4.51	3.64	3.65
Idaho	5.25	4.94	5.04
Illinois	5.00	5.08	5.41
Indiana	5.19	5.28	5.27
Kansas	4.70	3.74	3.83
Michigan	4.92	5.13	5.18
Minnesota	5.19	4.63	4.41
Missouri	5.13	4.88	5.32
Montana	5.18	4.50	4.56
Nebraska	4.47	3.59	3.70
North Carolina	4.97	5.20	5.42
North Dakota	5.05	4.31	4.15
Ohio	5.06	5.14	5.29
Oklahoma	4.68	3.90	4.05
Oregon	5.80	5.72	5.66
South Dakota	4.83	4.44	4.41
Texas	5.06	(D)	3.84
Washington	5.68	5.43	5.49
United States	5.23	4.45	4.39

(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 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arkansas	(D)	(S)	(D)
California	(D)	(D)	(D)
Colorado	4.51	3.64	3.65
Idaho	5.16	4.92	5.04
Illinois	5.00	5.08	5.41
Indiana	5.19	5.28	5.27
Kansas	4.70	3.74	3.83
Michigan	4.92	5.13	5.18
Minnesota ¹	(D)	(NA)	(NA)
Missouri	5.13	4.88	5.32
Montana	4.86	4.18	4.40
Nebraska	4.47	3.59	3.70
North Carolina	4.97	5.20	5.42
North Dakota	4.40	3.76	3.68
Ohio	5.06	5.14	5.29
Oklahoma	4.68	3.90	4.05
Oregon	5.76	5.72	5.66
South Dakota	4.60	4.27	4.20
Texas	5.06	(D)	3.84
Washington	5.62	5.39	5.46
United States	5.20	4.36	4.36

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

(NA) Not available.

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

¹ Monthly estimates discontinued in September 2019.

Prices Received for Durum Wheat – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arizona	(D)	(D)	(D)
California	(S)	(D)	(S)
Idaho	(D)	(S)	(D)
Montana	4.98	(D)	4.50
North Dakota	4.66	4.38	3.81
United States	4.72	4.63	4.15

(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 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Colorado ¹	(S)	(NA)	(NA)
Idaho	5.48	4.98	5.05
Minnesota	5.19	4.63	4.41
Montana	5.61	4.81	4.75
North Dakota	5.12	4.30	4.25
Oregon ¹	5.98	(NA)	(NA)
South Dakota	5.14	4.62	4.66
Washington	5.94	5.66	5.70
United States	5.33	4.65	4.52

(NA) Not available.

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

¹ Monthly estimates discontinued in September 2019.

Prices Received for Oats – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Illinois	(D)	(S)	(S)
Iowa	3.61	3.45	3.73
Michigan	3.59	2.76	3.68
Minnesota	2.60	2.41	2.50
Montana	(D)	(S)	(S)
Nebraska	(D)	(D)	(D)
New York	(D)	(S)	(S)
North Dakota	2.32	2.55	2.50
Oregon	(S)	(S)	(S)
Pennsylvania	(D)	(D)	4.46
South Dakota	2.62	2.81	2.92
Texas	(S)	(S)	(S)
Wisconsin	3.09	3.57	3.45
United States	2.55	2.82	2.95

(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 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California	(S)	(D)	(D)
Colorado	4.65	4.65	(D)
Idaho	5.10	4.80	4.96
Minnesota	(D)	(D)	4.47
Montana	4.94	4.43	4.38
North Dakota	4.40	4.23	4.64
Washington	3.04	4.32	4.65
Wyoming	(D)	4.92	(D)
United States	4.78	4.53	4.74

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

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

Prices Received for Feed Barley – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California	(S)	(S)	(S)
Colorado	(S)	(D)	(S)
Idaho	3.33	3.17	2.79
Minnesota	(D)	(S)	(D)
Montana	4.10	2.80	2.47
North Dakota	2.99	3.09	2.78
Washington	3.04	(D)	2.79
Wyoming	(D)	(S)	(S)
United States	3.23	3.11	2.81

(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 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
California	(S)	(D)	(D)
Colorado	4.65	4.70	(D)
Idaho	5.19	4.92	5.08
Minnesota	(D)	(D)	(D)
Montana	4.96	4.45	4.40
North Dakota	4.44	4.46	4.72
Washington	(S)	(D)	(D)
Wyoming	(D)	4.92	(D)
United States	4.85	4.70	4.84

(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 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Colorado	3.65	3.91	3.84
Illinois	3.44	3.77	3.66
Indiana	3.49	4.01	3.92
Iowa	3.40	3.79	3.64
Kansas	3.47	3.75	3.55
Kentucky	3.66	4.04	3.96
Michigan	3.34	3.98	3.87
Minnesota	3.26	3.63	3.48
Missouri	3.54	3.78	3.77
Nebraska	3.45	3.79	3.64
North Carolina	4.59	4.31	4.30
North Dakota	3.14	3.71	3.40
Ohio	3.48	4.14	4.06
Pennsylvania	3.87	4.33	4.27
South Dakota	3.18	3.75	3.57
Tennessee	3.80	3.85	3.87
Texas	4.13	4.28	4.28
Wisconsin	3.36	3.76	3.52
United States	3.41	3.84	3.68

Prices Received for Sorghum Grain – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Arkansas ¹	(S)	(NA)	(NA)
Kansas	5.46	5.79	5.55
Louisiana ¹	(S)	(NA)	(NA)
Missouri ¹	5.83	(NA)	(NA)
Nebraska	5.38	5.73	5.58
Oklahoma	5.88	6.29	6.00
Texas	6.21	6.26	6.28
United States	5.53	5.88	5.64

(NA) Not available.

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

¹ Monthly estimates discontinued in September 2019.

Prices Received for Soybeans – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
Arkansas	8.80	8.92	9.00
Illinois	8.72	8.89	8.96
Indiana	8.60	8.94	8.94
Iowa	8.49	8.50	8.50
Kansas	7.78	8.30	8.24
Kentucky	8.67	8.89	9.06
Louisiana	8.82	8.85	8.85
Michigan	8.37	8.78	8.68
Minnesota	8.36	8.33	8.49
Mississippi	8.80	8.82	8.91
Missouri	8.48	8.75	8.76
Nebraska	8.00	8.31	8.17
North Carolina	8.58	8.81	8.57
North Dakota	8.03	7.96	8.00
Ohio	8.67	8.97	9.13
South Dakota	7.90	8.31	8.30
Tennessee	8.70	8.94	9.05
Wisconsin	8.28	8.53	8.39
United States	8.36	8.60	8.59

Prices Received for Dry Beans – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
California	(D)	(D)	53.30
Colorado	27.20	(D)	34.90
Idaho	22.80	20.30	23.90
Michigan	25.80	28.10	32.00
Minnesota	27.70	34.00	(D)
Nebraska	(D)	(D)	(D)
North Dakota	23.60	24.20	25.00
United States	25.90	27.20	28.80

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

Prices Received for Peanuts (in shell) – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per pound)	(dollars per pound)	(dollars per pound)
Alabama	0.209	0.178	0.155
Arkansas	0.198	0.198	0.191
Florida	0.208	0.205	0.197
Georgia	0.191	0.183	0.181
Mississippi	0.197	0.193	0.184
New Mexico	0.334	0.275	0.511
North Carolina	0.232	0.222	0.224
Oklahoma	0.237	0.237	0.260
South Carolina	0.208	0.191	0.193
Texas	0.274	0.321	0.305
Virginia	0.212	0.219	0.206
United States	0.216	0.204	0.192

Prices Received for Sunflower – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Kansas	(D)	(D)	17.00
Minnesota	18.40	(D)	(D)
North Dakota	16.90	16.80	18.40
South Dakota	16.10	17.70	17.50
United States	17.00	17.40	17.90

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

Prices Received for Canola – States and United States: November 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
Minnesota	(D)	(D)	(D)
Montana	13.20	13.60	13.60
North Dakota	16.20	14.20	14.40
Oklahoma	(S)	(S)	(S)
United States	16.10	14.20	14.40

(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 2019 with Comparisons

State	November 2018	October 2019	November 2019
	(dollars per bushel)	(dollars per bushel)	(dollars per bushel)
North Dakota	10.20	9.05	8.68
United States	10.20	9.05	8.68

Prices Received for Upland Cotton and Cottonseed – States and United States: November 2019 with Comparisons

[Cottonseed marketing year August - February]

State	Cotton, Upland			Cottonseed		
	November 2018	October 2019	November 2019	November 2018	October 2019	November 2019
	(dollars per pound)	(dollars per pound)	(dollars per pound)	(dollars per ton)	(dollars per ton)	(dollars per ton)
Alabama	0.740	0.568	0.685	116.00	119.00	121.00
Arizona	(D)	(S)	(S)	167.00	224.00	223.00
Arkansas	0.709	0.632	0.599	145.00	170.00	176.00
California	(D)	(S)	(S)	270.00	295.00	319.00
Georgia	0.795	0.624	0.631	109.00	114.00	115.00
Louisiana	0.760	0.596	0.665	140.00	150.00	155.00
Mississippi	0.747	0.612	0.572	155.00	170.00	160.00
North Carolina	0.763	0.607	0.565	128.00	147.00	141.00
Tennessee	0.739	0.567	0.650	(D)	(NA)	158.00
Texas	0.716	0.571	0.581	163.00	164.00	172.00
United States	0.729	0.591	0.597	152.00	154.00	163.00

(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 2019 with Comparisons

Item	November 2018	October 2019	November 2019
Cotton, Upland			
Average price dollars/pound	0.729	0.591	0.597
Marketings ¹ 1,000 bales	2,208	1,405	2,131
Rice, all			
Average price dollars/cwt	12.60	12.60	12.90
Marketings ² 1,000 cwt	13,271	15,243	12,290
Rice, long			
Average price dollars/cwt	10.90	11.50	11.60
Marketings ² 1,000 cwt	9,491	11,566	8,511
Rice, medium and short			
California			
Average price dollars/cwt	19.90	18.40	17.50
Other States ³			
Average price dollars/cwt	11.90	11.70	11.60
United States			
Average price dollars/cwt	17.00	16.00	15.90
Marketings ² 1,000 cwt	3,780	3,677	3,779

¹ 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.

² Purchases by private firms and rice (rough equivalent) shipped by cooperatives.

³ Other States include Arkansas, Louisiana, Mississippi, Missouri, and Texas.

Prices Received for Hay by Type – States and United States: November 2019 with Comparisons

State	All hay			Alfalfa hay			Other hay		
	November 2018	October 2019	November 2019	November 2018	October 2019	November 2019	November 2018	October 2019	November 2019
	(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	190.00	190.00	190.00	190.00	190.00	200.00	200.00	200.00
California	193.00	190.00	191.00	205.00	200.00	205.00	155.00	150.00	145.00
Colorado	225.00	235.00	235.00	225.00	235.00	235.00	225.00	235.00	230.00
Idaho	161.00	158.00	159.00	160.00	160.00	160.00	170.00	140.00	150.00
Illinois	155.00	161.00	165.00	170.00	180.00	180.00	120.00	125.00	125.00
Iowa	125.00	127.00	142.00	127.00	143.00	152.00	113.00	102.00	99.00
Kansas	158.00	125.00	115.00	174.00	134.00	127.00	103.00	109.00	92.00
Kentucky	155.00	142.00	141.00	215.00	210.00	205.00	145.00	125.00	125.00
Michigan	155.00	168.00	168.00	165.00	190.00	185.00	140.00	130.00	140.00
Minnesota	141.00	135.00	154.00	156.00	152.00	178.00	115.00	114.00	130.00
Missouri	123.00	118.00	118.00	160.00	150.00	150.00	110.00	110.00	110.00
Montana	142.00	146.00	142.00	145.00	145.00	140.00	130.00	150.00	150.00
Nebraska	108.00	97.00	99.00	118.00	102.00	106.00	85.00	86.00	84.00
Nevada	166.00	179.00	174.00	165.00	180.00	175.00	180.00	170.00	165.00
New Mexico	238.00	215.00	215.00	250.00	220.00	220.00	160.00	190.00	190.00
New York	154.00	171.00	184.00	185.00	194.00	209.00	152.00	163.00	175.00
North Dakota	90.00	77.00	86.00	92.00	82.00	88.00	71.00	66.00	62.00
Ohio	133.00	163.00	164.00	180.00	200.00	205.00	125.00	135.00	135.00
Oklahoma	95.00	99.00	99.00	165.00	183.00	155.00	82.00	87.00	87.00
Oregon	193.00	200.00	198.00	195.00	200.00	195.00	190.00	200.00	205.00
Pennsylvania	198.00	191.00	203.00	217.00	220.00	235.00	193.00	183.00	195.00
South Dakota	100.00	108.00	106.00	104.00	121.00	115.00	87.00	81.00	87.00
Texas	133.00	98.00	139.00	203.00	157.00	202.00	117.00	84.00	129.00
Utah	174.00	185.00	185.00	175.00	185.00	185.00	135.00	145.00	145.00
Washington	184.00	194.00	194.00	185.00	200.00	200.00	180.00	180.00	180.00
Wisconsin	175.00	193.00	217.00	180.00	213.00	226.00	159.00	149.00	182.00
Wyoming	170.00	181.00	181.00	175.00	185.00	185.00	145.00	160.00	160.00
United States	162.00	161.00	160.00	173.00	179.00	173.00	141.00	126.00	137.00

Prices Received for Premium and Supreme Alfalfa Hay – States and 5-State Total: November 2019

State	November 2018	October 2019	November 2019
	(dollars per ton)	(dollars per ton)	(dollars per ton)
California	(NA)	215.00	225.00
Idaho	(NA)	185.00	180.00
Michigan	(NA)	205.00	205.00
Minnesota	(NA)	248.00	268.00
New York	(NA)	230.00	245.00
Pennsylvania	(NA)	295.00	300.00
Texas	(NA)	225.00	225.00
Wisconsin	(NA)	283.00	294.00
5-State Total ^{1 2}	(NA)	205.00	209.00

(NA) Not available.

¹ 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).

² For October 2019, includes California, Idaho, New York, Texas, and Wisconsin. For November 2019, includes California, Idaho, New York, Texas, and Wisconsin.

Prices Received for Citrus Fruits by Utilization – States and United States: November 2018

[Net pounds per box: grapefruit in California-80, Florida-85, Texas-80; lemons-80; oranges in California-80, Florida-90, Texas-85]

Commodity, State, and type	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							
California	(D)	23.60	(D)	(S)	21.14	(D)	(S)
Florida, all	39.10	23.83	28.49	13.08	20.81	25.69	9.58
White	45.20	26.47	34.55	13.00	23.50	31.75	9.75
Red	38.30	23.41	27.65	13.10	20.39	24.85	9.55
Texas	37.80	18.40	26.20	(D)	16.84	24.59	(D)
United States	36.70	23.77	27.02	13.08	20.89	24.32	9.58
Lemons							
Arizona	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	52.30	37.85	42.07	(D)	31.36	35.42	(D)
United States	53.00	38.24	42.75	(D)	31.76	36.10	(D)
Oranges							
California, all	32.90	20.60	22.78	(D)	17.76	19.96	(D)
Navel and miscellaneous	32.90	20.60	22.78	(D)	17.76	19.96	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Florida, all	34.30	14.26	22.95	10.50	11.00	19.55	7.30
Early and mids	34.30	14.26	22.95	10.50	11.00	19.55	7.30
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Texas, all	32.80	16.35	21.20	(D)	14.56	19.37	(D)
Early and mids	32.80	16.35	21.20	(D)	14.56	19.37	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
United States	33.10	18.58	22.80	8.25	15.61	19.90	5.09

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

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

Prices Received for Citrus Fruits by Utilization – States and United States: October 2019

[Net pounds per box: grapefruit in California-80, Florida-85, Texas-80; lemons-80; oranges in California-80, Florida-90, Texas-85]

Commodity, State, and type	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							
California	(D)	10.08	(D)	(D)	6.80	(D)	(D)
Florida, all	37.30	22.77	26.63	(S)	19.85	23.83	(S)
White	37.00	20.28	26.35	(S)	17.36	23.55	(S)
Red	37.30	23.03	26.65	(S)	20.11	23.85	(S)
Texas	(S)	(S)	(S)	(S)	(S)	(S)	(S)
United States	34.60	16.67	24.91	(D)	13.58	22.22	(D)
Lemons							
Arizona	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	51.10	34.84	40.67	(D)	28.29	33.89	(D)
United States	51.70	35.77	41.28	(D)	29.21	34.50	(D)
Oranges							
California, all	29.30	14.82	19.10	(D)	11.92	16.25	(D)
Navel and miscellaneous	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Valencia	25.90	10.36	15.78	(D)	7.47	12.96	(D)
Florida, all	28.60	14.88	17.25	(S)	11.53	13.85	(S)
Early and mids	28.60	14.86	17.25	(S)	11.50	13.85	(S)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Texas, all	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Early and mids	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
United States	29.20	14.83	18.86	(D)	11.87	15.94	(D)

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

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

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

[Net pounds per box: grapefruit in California-80, Florida-85, Texas-80; lemons-80; oranges in California-80, Florida-90, Texas-85]

Commodity, State, and type	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							
California	(D)	23.45	(D)	(S)	20.94	(D)	(S)
Florida, all	34.00	18.20	23.31	6.51	15.19	20.51	2.99
White	33.50	15.55	22.85	4.15	12.58	20.05	0.90
Red	34.00	18.45	23.35	6.80	15.43	20.55	3.25
Texas	34.40	16.13	22.80	(D)	14.57	21.19	(D)
United States	33.50	18.17	23.14	3.96	15.86	20.87	1.51
Lemons							
Arizona	(D)	(D)	(D)	(D)	(D)	(D)	(D)
California	51.20	35.65	40.77	(D)	29.06	33.99	(D)
United States	52.30	36.28	41.83	(D)	29.70	35.05	(D)
Oranges							
California, all	32.60	19.59	22.28	(D)	16.68	19.40	(D)
Navel and miscellaneous	32.60	19.59	22.28	(D)	16.68	19.40	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Florida, all	28.50	12.26	17.15	(S)	8.94	13.75	(S)
Early and mids	28.50	12.26	17.15	(S)	8.94	13.75	(S)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
Texas, all	27.20	12.89	15.60	(D)	11.09	13.77	(D)
Early and mids	27.20	12.89	15.60	(D)	11.09	13.77	(D)
Valencia	(S)	(S)	(S)	(S)	(S)	(S)	(S)
United States	31.90	18.08	21.35	(D)	15.18	18.47	(D)

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

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

Prices Received for Hops – States and United States: 2017-2019

State	2017	2018	2019
	(dollars per pound)	(dollars per pound)	(dollars per pound)
Idaho	5.00	5.30	5.25
Oregon	5.00	5.40	5.50
Washington	5.80	5.50	5.80
United States	5.60	5.46	5.68

Prices Received for All Milk – States and United States: November 2019 with Comparisons

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

State	November 2018		October 2019		November 2019	
	Price	Fat test	Price	Fat test	Price	Fat test
	(dollars per cwt)	(percent)	(dollars per cwt)	(percent)	(dollars per cwt)	(percent)
Arizona	16.40	3.79	18.90	3.77	19.40	3.84
California	17.21	4.03	18.90	3.92	19.50	3.95
Colorado	17.60	3.87	20.00	3.94	20.30	3.99
Florida	20.80	3.71	22.70	3.75	23.10	3.76
Georgia ¹	18.60	3.75	21.00	3.70	21.50	3.81
Idaho	16.30	4.13	20.90	4.18	21.70	4.12
Illinois	17.50	4.05	20.30	3.99	21.60	4.10
Indiana	17.20	3.97	19.30	3.91	20.30	4.06
Iowa	16.90	4.09	21.30	4.05	22.90	4.20
Kansas	16.00	4.06	19.00	4.04	20.10	4.14
Michigan	16.10	3.94	18.30	3.86	19.20	3.98
Minnesota	16.70	4.19	21.30	4.14	23.20	4.24
New Mexico	15.30	3.88	18.40	3.85	19.90	4.02
New York	17.80	4.01	19.70	3.94	20.50	4.02
Ohio	17.50	4.06	19.70	3.88	20.70	4.04
Oregon	19.60	4.24	23.30	4.13	24.60	4.20
Pennsylvania	18.00	3.97	20.10	3.93	21.00	4.02
South Dakota	17.60	4.37	22.30	4.34	24.00	4.43
Texas	17.60	4.35	20.40	4.24	21.80	4.41
Utah	16.80	4.04	20.40	4.07	21.70	4.12
Vermont	18.20	4.06	20.00	3.96	20.90	4.04
Virginia	19.00	3.94	20.40	3.83	21.20	3.98
Washington	17.80	4.24	19.90	4.13	20.70	4.20
Wisconsin	17.00	4.04	20.50	3.95	22.40	4.04
United States	17.20	4.05	19.90	3.99	21.00	4.06

¹ Beginning in June 2019, Georgia was added to the monthly price program.

Prices Received for Milk Cows – States and United States: October 2019 with Comparisons

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

State	October 2018	July 2019	October 2019
	(dollars per head)	(dollars per head)	(dollars per head)
Arizona	1,450	1,350	1,450
California	1,200	1,300	1,400
Colorado	1,350	1,200	1,300
Florida	1,260	1,220	1,280
Georgia ¹	1,220	1,260	1,300
Idaho	1,350	1,300	1,350
Illinois	1,210	1,200	1,200
Indiana	1,100	1,150	1,250
Iowa	1,170	1,180	1,280
Kansas	1,400	1,300	1,300
Michigan	1,200	1,250	1,320
Minnesota	1,050	1,100	1,160
New Mexico	1,450	1,250	1,400
New York	1,100	1,180	1,260
Ohio	1,050	1,050	1,120
Oregon	1,400	1,300	1,350
Pennsylvania	1,150	1,160	1,190
South Dakota	1,270	1,170	1,250
Texas	1,450	1,350	1,400
Utah	1,300	1,100	1,250
Vermont	1,250	1,250	1,300
Virginia	1,120	1,070	1,120
Washington	1,300	1,250	1,350
Wisconsin	1,180	1,210	1,270
United States	1,230	1,240	1,310

¹ Beginning in June 2019, Georgia was added to the quarterly milk cow price program.

Parity Price Overview

Parity prices, based on data from January 2017, 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 2017, the 10-average includes the years 2007-2016). 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 2019 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 2018	October 2019	November 2019	November 2018	October 2019	November 2019
	(dollars)	(dollars)	(dollars)	(dollars)	(percent)	(percent)	(percent)
Basic commodities							
All wheat bushel	0.571	17.60	17.00	17.10	30	26	26
Rice cwt	1.34	40.10	39.90	40.00	31	32	32
Corn bushel	0.438	13.30	13.10	13.10	26	29	28
Cotton							
Upland pound	0.069	2.01	2.06	2.06	36	29	29
American Pima pound	0.140	4.01	4.17	4.18	35	28	28
Peanuts pound	0.023	0.679	0.685	0.687	32	30	28
Small chickpeas ¹ cwt	2.42	71.10	72.10	72.30	30	26	25
Large chickpeas ¹ cwt	3.26	96.80	97.10	97.40	21	20	16
Lentils ¹ cwt	2.55	78.20	76.00	76.20	23	23	20
Designated non-basic							
All milk, to plants ² cwt	1.76	52.20	52.40	52.60	31	36	37
Honey, extracted ³ pound	0.186	5.16	5.54	5.56	42	39	39
Wool and mohair							
Wool pound	0.140	3.86	4.17	4.18	38	42	42
Mohair pound	0.425	12.00	12.70	12.70	41	41	41
Other non-basic							
Apples, fresh ⁴ pound	0.035	1.030	1.040	1.050	38	38	32
Barley bushel	0.502	14.90	15.00	15.00	32	30	32
Canola cwt	1.87	55.50	55.70	55.90	29	25	26
Cottonseed ton	19.50	596.00	581.00	582.00	26	27	28
Dry edible beans cwt	3.19	96.20	95.10	95.30	27	29	30
Flaxseed bushel	1.09	33.90	32.50	32.60	30	28	27
Oats bushel	0.288	8.61	8.58	8.60	30	33	34
Potatoes, fresh cwt	1.07	32.70	31.90	32.00	28	40	43
Sorghum grain cwt	0.742	22.40	22.10	22.20	25	27	25
Soybeans bushel	1.09	32.70	32.50	32.60	26	26	26
Sunflower, all cwt	2.10	64.30	62.60	62.70	26	28	29
Citrus (equivalent on-tree)							
Grapefruit box	0.837	21.70	24.90	25.00	96	55	63
Lemons box	1.87	55.20	55.70	55.90	58	52	53
Oranges box	1.010	26.80	30.10	30.20	58	39	50
Livestock and poultry							
Beef cattle cwt	11.70	336.00	349.00	349.00	34	31	32
Broilers pound	0.052	1.50	1.55	1.55	33	26	25
Calves cwt	17.00	487.00	507.00	508.00	35	30	31
Eggs ² dozen	0.102	2.98	3.04	3.05	29	25	32
Hogs cwt	5.69	167.00	170.00	170.00	28	29	28
Turkeys, live pound	0.066	1.950	1.970	1.970	27	32	34

¹ Parity prices began January 2015.

² Seasonally adjusted price as percentage of parity price.

³ 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.

⁴ 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 2019 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 2018	October 2019	November 2019	
	(dollars)	(dollars)	(dollars)	(dollars)	
Field crops and miscellaneous					
Hops	pound	0.406	11.60	12.10	12.10
Mustard seed	cwt	3.15	97.90	93.90	94.10
Rapeseed	cwt	2.64	80.20	78.70	78.90
Rye	bushel	0.628	18.60	18.70	18.80
Safflower	cwt	2.19	66.10	65.30	65.40
Spearmint oil	pound	1.75	51.00	52.20	52.30
Sweet potatoes	cwt	2.06	60.20	61.40	61.50
Tobacco					
Flue-cured, 11-14	pound	0.187	5.43	5.57	5.59
Fire-cured, 21-23	pound	0.257	7.49	7.66	7.68
Burley, 31	pound	0.184	5.31	5.48	5.50
Maryland, 32	pound	0.173	5.04	5.16	5.17
Dark air-cured, 35-37	pound	0.229	6.73	6.82	6.84
Pennsylvania seedleaf, 41	pound	0.201	5.78	5.99	6.00
Non-citrus fruit					
Apples, processing ^{1 2}	ton	20.30	596.00	605.00	606.00
Apricots					
Fresh ³	ton	128.00	3,570.00	3,810.00	3,820.00
Dried (California)	ton	313.00	9,230.00	9,330.00	9,350.00
Avocados ^{2 3}	ton	198.00	5,900.00	5,900.00	5,910.00
Cherries					
Sweet	ton	210.00	6,340.00	6,260.00	6,270.00
Tart ²	pound	0.030	0.944	0.894	0.896
Cranberry ^{2 4}	barrel	3.55	114.00	106.00	106.00
Dates (California) ³	ton	184.00	4,690.00	5,480.00	5,500.00
Grapes (California)					
Raisin variety ⁵	ton	147.00	4,340.00	4,380.00	4,390.00
Wine, processing	ton	75.90	2,120.00	2,260.00	2,270.00
Kiwifruit ²	ton	105.00	3,100.00	3,130.00	3,140.00
Nectarines, fresh (California) ³	ton	78.50	2,150.00	2,340.00	2,340.00
Olives, canning (California) ⁴	ton	111.00	3,130.00	3,310.00	3,320.00

See footnote(s) at end of table.

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Commodity Parity Prices – United States: November 2019 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 2018	October 2019	November 2019
	(dollars)	(dollars)	(dollars)	(dollars)
Non-citrus fruit - continued				
Papayas (Hawaii) pound	0.045	1.24	1.34	1.34
Peaches				
Fresh ^{4 6} ton	103.00	2,870.00	3,070.00	3,080.00
Dried (California) ^{1 5} ton	43.30	1,270.00	1,290.00	1,290.00
Processing, excludes dried				
Clingstone (California) ⁴ ton	39.20	1,120.00	1,170.00	1,170.00
Pears, Fresh ⁶ ton	63.90	1,870.00	1,900.00	1,910.00
Plums (California) equivalent on-tree				
Fresh ⁷ ton	74.50	2,020.00	2,220.00	2,230.00
Prunes, dried (California) ^{1 2 5} ton	178.00	5,040.00	5,300.00	5,320.00
Strawberries				
Fresh ¹⁰ pound	9.82	283.00	293.00	293.00
Processing pound	3.74	107.00	111.00	112.00
Sugar crops				
Sugar beets ^{2 8} ton	5.10	150.00	152.00	152.00
Sugarcane ^{2 8} ton	3.50	102.00	104.00	105.00
Tree nuts ⁹				
Almonds pound	0.253	7.14	7.54	7.56
Hazelnuts ton	237.00	6,930.00	7,060.00	7,080.00
Pistachios pound	0.244	6.99	7.27	7.29
Walnuts ton	236.00	6,960.00	7,030.00	7,050.00
Vegetables, fresh ¹⁰				
Carrots ¹¹ cwt	2.82	82.00	84.00	84.20
Cauliflower ¹¹ cwt	4.66	135.00	139.00	139.00
Celery ¹¹ cwt	2.05	58.40	61.10	61.20
Honeydew melons cwt	2.04	59.60	60.80	60.90
Lettuce cwt	2.52	71.70	75.10	75.30
Onions ¹¹ cwt	1.41	41.60	42.00	42.10
Tomatoes cwt	4.01	119.00	119.00	120.00

¹ Equivalent returns at processing plant door.

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

³ Equivalent returns at packinghouse door.

⁴ Equivalent returns for bulk fruit at first delivery point.

⁵ Dried basis.

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

⁷ Based on "as sold" prices for fresh fruit in all states.

⁸ 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.

⁹ Prices In-Shell basis except almonds which are shelled basis.

¹⁰ FOB shipping point price.

¹¹ Includes some processing.

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 110.4, is up 0.3 percent from October 2019 and 0.5 percent from November 2018.

Production: The November index, at 106.5, is up 0.4 percent from October but 0.5 percent lower than November last year. Higher prices for feeder cattle, herbicides, supplements, and feeder pigs more than offset lower prices for feed grains, other machinery, mixed fertilizer, and concentrates.

Feed: At 102.0, the November index was unchanged from October but up 2.9 percent from last November. Since October, higher prices for supplements and hay and forages offset lower prices for feed grains and concentrates.

Livestock and poultry: The November index, at 101.6, increased 2.2 percent from October but decreased 3.3 percent from a year ago. Compared to last month prices are higher for feeder cattle and feeder pigs. The November feeder cattle price, at \$143.00 per cwt, is up \$3.00 per cwt from the October price. November feeder pigs averaged \$113.00 per cwt, up \$7.00 per cwt from October.

Fertilizer: The index for November, at 63.4, is unchanged from October but 8.5 percent below November a year ago. Since October, higher prices for nitrogen offset lower prices for mixed fertilizer as well as potash and phosphate.

Chemicals: The November index, at 97.7, is up 1.9 percent from October but down 4.4 percent from last November.

Fuels: At 69.2, the November index is up 1.8 percent from October but down 5.9 percent from November 2018. Compared with October, prices are higher for LP gas and diesel but lower for gasoline.

Machinery: The index for November, at 125.8, decreased 0.1 percent from October but increased 1.9 percent from last November. Compared with last month, prices are lower for other machinery but higher for self-propelled machinery.

Consumer Price Index: The November 2019 Consumer Price Index for All Urban Consumers (CPI-U), as issued by the Bureau of Labor Statistics, increased 2.1 percent over the last 12 months to an index level of 257.208 (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 2019 with Comparisons

[Revised historical price indexes for months not shown are available at www.nass.usda.gov]

Index Group and Ratios	1910-1914 Base			2011 Base		
	November 2018	October 2019	November 2019	November 2018	October 2019	November 2019
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Prices paid by farmers for commodities, services, interest, taxes, and wage rates (PPITW)	2972	2980	2987	109.8	110.1	110.4
Production	2226	2208	2216	107.0	106.1	106.5
Feed	1092	1124	1124	99.1	102.0	102.0
Livestock and poultry	2075	1963	2006	105.1	99.4	101.6
Seeds	3885	3800	3800	118.2	115.6	115.6
Fertilizer	834	763	763	69.3	63.4	63.4
Chemicals	918	862	878	102.2	95.9	97.7
Fuels	2055	1901	1937	73.5	68.0	69.2
Supplies and repairs	1340	1356	1356	113.6	114.9	114.9
Autos and trucks	3229	3228	3230	105.0	105.0	105.1
Machinery	7539	7696	7689	123.4	125.9	125.8
Building materials	2723	2744	2736	117.1	118.0	117.6
Services and rent	2477	2495	2495	(NA)	(NA)	(NA)
Services	(NA)	(NA)	(NA)	114.8	116.2	116.1
Rent	(NA)	(NA)	(NA)	119.5	119.5	119.5
Interest ¹	4288	4422	4422	117.6	121.3	121.3
Taxes ²	6952	7119	7119	117.1	120.0	120.0
Wage rates	9260	9612	9612	129.3	134.2	134.2
Family living-CPI ³	2394	2445	2443	112.1	114.4	114.4
Production, interest, taxes, and wage rates (PITW)	3087	3085	3094	109.5	109.4	109.7
Ratio (received/paid)	(NA)	(NA)	(NA)	80	77	81
Parity ratio ⁴	31	29	31	(NA)	(NA)	(NA)
Parity ratio adjusted ⁵	32	30	32	(NA)	(NA)	(NA)
PPITW adjusted for productivity ⁶	1651	1698	1699	(NA)	(NA)	(NA)
Crop sector (PPITW)	(NA)	(NA)	(NA)	111.3	111.4	111.5
Livestock sector (PPITW)	(NA)	(NA)	(NA)	108.2	108.7	109.1
Farm sector (production)	(NA)	(NA)	(NA)	104.7	103.9	104.6
Non-farm sector (production)	(NA)	(NA)	(NA)	108.3	107.4	107.5

(NA) Not available.

¹ Interest per acre on farm real estate debt and interest rate on farm non-real estate debt.

² Farm real estate taxes payable per acre.

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

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

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

⁶ 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 2019 with Comparisons

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

Index Group	Relative weights		Indexes (2011=100)		
	2018	2019	November 2018	October 2019	November 2019
	(percent)	(percent)	(percent)	(percent)	(percent)
Production items	73.5	73.2	107.0	106.1	106.5
Feed	13.3	12.8	99.1	102.0	102.0
Feed grains	1.9	1.8	57.7	63.9	61.7
Complete feeds	6.5	6.3	104.0	108.0	108.0
Hay and forages	1.6	1.6	106.0	103.4	104.8
Concentrates	2.1	2.0	108.7	110.9	110.5
Supplements	1.2	1.1	112.5	112.8	116.2
Livestock and poultry	8.2	8.8	105.1	99.4	101.6
Feeder cattle	6.4	6.8	109.7	102.2	104.5
Feeder pigs	0.6	0.7	79.3	75.7	80.7
Milk cow replacements	0.7	0.7	86.6	92.3	92.3
Poultry	0.5	0.5	104.3	104.3	104.3
Seeds	5.3	5.4	118.2	115.6	115.6
Field crops	4.8	4.9	116.9	114.0	114.0
Grasses and legumes	0.5	0.5	131.0	131.8	131.8
Fertilizer	5.2	5.0	69.3	63.4	63.4
Mixed fertilizer	2.3	2.2	70.7	67.4	66.9
Nitrogen	2.2	2.1	68.8	63.3	64.2
Potash and phosphate	0.7	0.7	66.1	50.9	49.9
Chemicals	3.6	3.6	102.2	95.9	97.7
Herbicides	2.3	2.2	102.8	96.5	98.3
Insecticides	0.8	0.8	102.7	96.0	97.8
Fungicides and other	0.5	0.5	98.6	93.4	95.1
Fuels	2.4	2.8	73.5	68.0	69.2
Diesel	1.5	1.8	73.0	70.2	70.6
Gasoline	0.5	0.6	71.8	74.3	73.4
LP gas	0.4	0.5	77.5	51.7	59.0
Supplies and repairs	4.6	4.6	113.6	114.9	114.9
Supplies	1.6	1.5	113.3	115.9	115.9
Repairs	3.0	3.1	113.8	114.4	114.4
Autos and trucks	1.3	1.3	105.0	105.0	105.1
Autos	0.2	0.2	99.8	99.8	99.8
Trucks	1.1	1.1	105.8	105.8	105.9
Machinery	5.6	5.3	123.4	125.9	125.8
Tractors	1.2	1.2	111.5	109.3	109.3
Self-propelled	2.3	2.1	129.5	131.0	131.5
Other machinery	2.1	2.0	123.8	130.3	129.4
Building materials	4.0	4.1	117.1	118.0	117.6
Services	12.1	11.7	114.8	116.2	116.1
Custom rates	1.3	1.2	113.3	118.4	118.4
Other services	10.8	10.5	115.0	115.9	115.9
Rent	7.9	7.8	119.5	119.5	119.5
Cash	4.2	4.2	126.1	126.1	126.1
Share	3.7	3.6	111.8	111.8	111.8
Interest	2.4	2.6	117.6	121.3	121.3
Taxes	3.3	3.2	117.1	120.0	120.0
Wage rates	7.1	7.2	129.3	134.2	134.2
Family living-CPI	13.7	13.9	112.1	114.4	114.4

Feed Price Ratios – United States: November 2019 with Comparisons

Feed price ratio ¹	November 2018	October 2019	November 2019
Broiler-feed: pounds of broiler grower feed equal in value to 1 pound of broiler, live weight ²	5.2	4.1	4.0
Market egg feed: pounds of laying feed equal in value to 1 dozen eggs ³	11.7	4.7	13.2
Hog-corn: bushels of corn equal in value to 100 pounds of hog, live weight	13.5	12.8	13.0
Milk-feed: pounds of 16% mixed dairy feed equal in value to 1 pound of whole milk ⁴	2.21	2.39	2.61
Steer & heifer-corn: bushels of corn equal in value to 100 pounds of steer & heifers, live weight	33.7	28.4	31.3
Turkey-feed: pounds of turkey grower equal in value to 1 pound of turkey, live weight ⁵	6.0	7.0	7.6

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

² 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.

³ 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.

⁴ 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.

⁵ 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 2019 with Comparisons

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

Item	November 2018	October 2019	November 2019
	(dollars)	(dollars)	(dollars)
Broilers, live pound	0.490	0.405	0.390
Eggs, market dozen	0.945	0.406	1.12
Hogs, all cwt	46.20	49.10	48.00
Milk, all cwt	17.20	19.90	21.00
Steers and heifers cwt	115.00	109.00	115.00
Turkeys, live pound	0.530	0.639	0.674
Corn bushel	3.41	3.84	3.68
Hay, alfalfa ton	173.00	179.00	173.00
Soybeans bushel	8.36	8.60	8.59
Wheat, all bushel	5.23	4.45	4.39

Prices Paid for Feeder Livestock – United States: November 2019 with Comparisons

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

Item	November 2018	October 2019	November 2019
	(dollars)	(dollars)	(dollars)
Feeder cattle & calves cwt	150.00	140.00	143.00
Feeder pigs cwt	111.00	106.00	113.00

Prices Paid by Farmers and Ranchers for Beef Cattle Production

The 2019 Prices Paid Index for Beef Cattle Production is 1,034 percent of its 1964-1968 base, up 4.1 percent from the previous year and 7.4 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: 2017-2019

[Average for November through October grazing season]

Index	2017 ¹	2018 ²	2019 ³
	(percent)	(percent)	(percent)
Beef Cattle Production	963	993	1,034

¹ November 2016 through October 2017

² November 2017 through October 2018

³ November 2018 through October 2019

Prices Received for Beef Cattle – Selected Regions: 2017-2019

[Average for November through October grazing season]

State	2017 ¹	2018 ²	2019 ³
	(dollars per cwt)	(dollars per cwt)	(dollars per cwt)
17 Western States ⁴	116.76	114.30	114.49
16 Western States ⁵	116.02	113.46	114.08
11 Western States ⁶	112.36	109.89	110.21
9 Great Plains States ⁷	118.09	115.61	115.63

¹ November 2016 through October 2017

² November 2017 through October 2018

³ November 2018 through October 2019

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

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

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

⁷ 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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- Cornell’s Mann Library has launched a new website housing NASS’s and other agency’s 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 in your email client to avoid the emails going into spam/junk folders.

For more information on NASS surveys and reports, call the NASS Agricultural Statistics Hotline at (800) 727-9540, 7:30 a.m. to 4:00 p.m. ET, or e-mail: nass@usda.gov.

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Price Program Links

Economics and Prices

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

January 2015 Price Program Update

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

February 2016 Price Program Update

http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/Prices/updateFeb2016.pdf

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