



# Agricultural Prices

Released December 30, 1999, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, U.S. Department of Agriculture. For information on "Agricultural Prices" or other assistance, see page B-19.

## Prices Received Index Drops 2 Points

The preliminary All Farm Products Index of Prices Received in December was 91 based on 1990-92=100, down 2 points (2.2 percent) from the November index. Lower prices for milk, soybeans, wheat, and oranges more than offset price increases for lettuce, hogs, calves, and corn. The seasonal change in the mix of commodities farmers sell also affects the overall index. Lower seasonal marketings of cattle, grapes, soybeans, and corn more than offset the relatively higher marketings of tobacco, wheat, milk, and broilers. These marketing changes account for about one-half point of the December index decrease.

Compared with December 1998, the All Farm Products Index was 7 points (7.1 percent) lower. Price decreases from December 1998 for milk, cotton, soybeans, and corn more than offset price increases for hogs, cattle, lettuce, and apples.

## Prices Paid Index Unchanged

The December Index of Prices Paid for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW) was 117 percent of the 1990-92 average. The index was unchanged from November but 3 points (2.6 percent) above December 1998. Lower prices in December for hay and forages, mixed fertilizers, insecticides, and feed supplements were offset by higher prices for feeder cattle, feeder pigs, diesel fuel, and feed grains.

Index Summary Table

Index 1990-92=100	1998		1999	
	Nov	Dec	Nov	Dec
Prices Received	99	98	93	91
Prices Paid	114	114	117	117
Ratio 1/	87	86	79	78

1/ Ratio of index of prices received by farmers to index of prices paid.

## Prices Received by Farmers

The December All Farm Products Index was 91 percent of its 1990-92 base, down 2.2 percent from the November index and 7.1 percent below the December 1998 index.

**All Crops:** The December index was 88, down 1.1 percent from November and 12 percent below December 1998. Price decreases from November for oilseeds, food grains, fruit and nuts, and cotton more than offset price increases for vegetables, tobacco, and feed grains and hay.

**Food Grains:** The December Food Grains Index, at 83, was down 6.7 percent from the previous month and 18 percent below December 1998. The December all wheat price, at \$2.43 per bushel, was down 23 cents from the November price and 43 cents below December 1998.

**Feed Grains & Hay:** The December index was 78, up 1.3 percent from last month but 12 percent below December 1998. The corn price, at \$1.72 per bushel, was up 2 cents from November but 28 cents below the December 1998 price. The all hay price, at \$71.10 per ton, was down \$2.90 from last month and \$6.40 below December 1998. Alfalfa hay prices were down from last month but other hay prices were up.

**Oil-Bearing Crops:** The December Oil-Bearing Crops Index, at 79, was down 3.7 percent from the November index and 23 percent below December 1998. The soybean price, at \$4.29 per bushel, decreased 16 cents from November and was \$1.08 below December 1998.

**Cotton:** The December index, at 72, was down 2.7 percent from November and 28 percent below December 1998. The cotton price, at 43.6 cents per pound, was down 1.1 cents from November. Cottonseed prices were up from last month but well below last year.

**Livestock and Products:** The December index, at 95, was down 3.1 percent from last month and 2.1 percent from December 1998. Compared with a year ago, prices were higher for hogs, cattle, calves, and turkeys but lower for all milk, eggs, and broilers.

**Meat Animals:** The December index, at 87, was unchanged from last month but up 32 percent from a year ago. The December hog price was \$35.40 per cwt, up \$2.00 from November and \$20.70 from a year ago. The December beef cattle price of \$66.40 was up 20 cents from last month and \$9.60 from December 1998. Strong retail demand continues to support farm prices.

**Dairy Products:** The December index, at 95, was down 13 percent from November and 32 percent from December 1998. The December all milk price, at \$12.40 per cwt, was down \$1.90 from November and \$5.60 from last year. December prices decreased for both fluid and manufacturing grade milk. Cheese prices decreased the first two weeks of December but increased the third week.

**Poultry and Eggs:** The December index, at 110, was 3.5 percent below November and 7.6 percent below a year ago. The December broiler price, at 36.8 cents per pound, was down 0.6 cent from November, a seasonal decline with adequate supply. Market egg prices decreased 5.7 cents to 43.3 cents per dozen. Supplies of eggs continue to be plentiful. Turkey prices decreased 3.4 cents to 42.2 cents per pound, following a seasonal trend.

Index Numbers of Prices Received, United States, December 1999,  
with Comparisons

Index	1910-14=100				1990-92=100			
	1998		1999		1998		1999	
	Average: 1990-92:	Dec	Nov	Dec	Dec	Nov	Dec	
All Farm Products	639	625	*591	579	98	93	91	
All Crops	500	492	*440	436	100	89	88	
Food Grains	325	321	*283	263	101	*89	83	
Feed Grains & Hay	363	319	*274	279	89	77	78	
Cotton	517	512	*378	369	100	*74	72	
Tobacco	1263	1665	*1587	1657	110	*105	109	
Oil-Bearing Crops	554	556	*446	434	102	*82	79	
Fruit & Nuts	716	661	*829	673	95	*119	96	
Commercial Vegetables	698	746	*646	697	112	*97	104	
Potatoes & Dry Beans	540	479	*474	475	95	*94	94	
Other Crops	493	532	532	532	108	108	108	
Livestock & Products	768	741	751	728	97	98	95	
Meat Animals	1021	674	*884	888	66	87	87	
Dairy Products	799	1112	*879	762	139	*109	95	
Poultry & Eggs	282	336	321	311	119	114	110	
Food Commodities					98	*97	93	

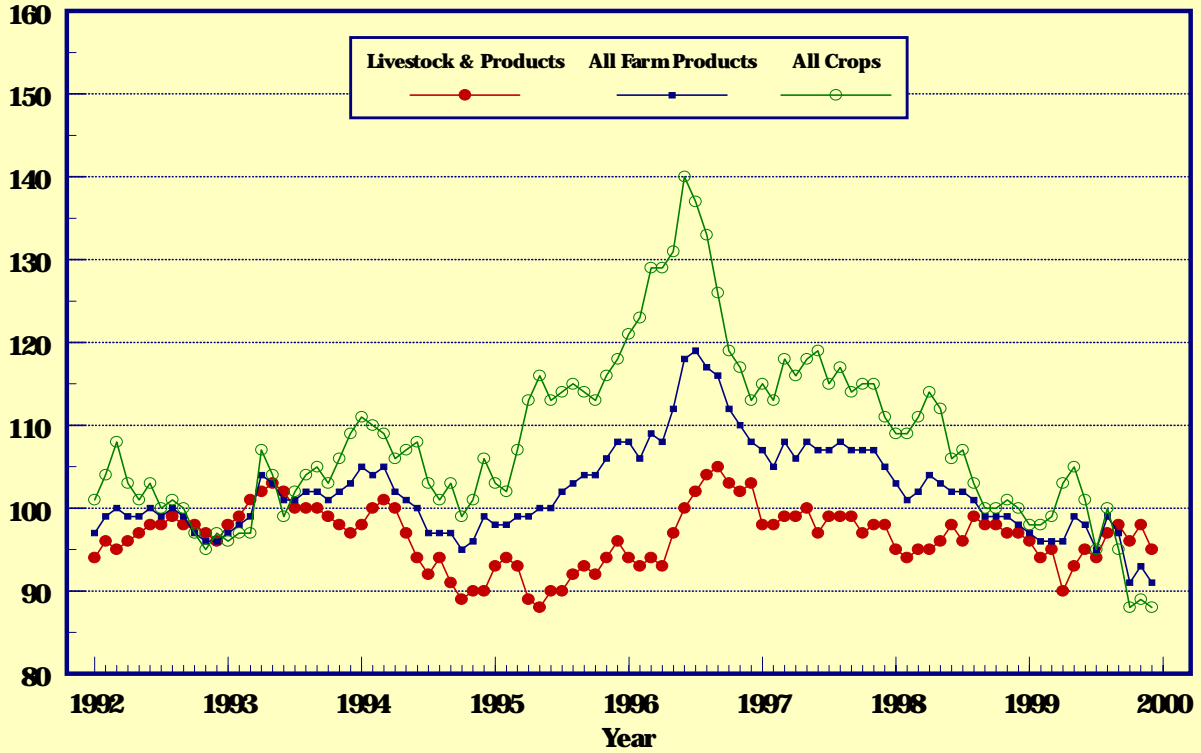
\* Revised.

Selected Index Numbers for Prices Received and Paid,  
1990-92=100, by Months, United States, 1998 and 1999

Month	Index of Prices Received				Index of Prices Paid					
	All Farm Products		All Crops		Livestock and Products		All Items		Production Items	
	1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
Jan	103	97	109	98	95	96	117	115	116	111
Feb	101	96	109	98	94	94	117	115	115	110
Mar	102	96	111	99	95	95	116	115	114	110
Apr	104	96	114	103	95	90	116	115	114	111
May	103	99	112	105	96	93	116	115	114	111
Jun	102	98	106	101	98	95	115	115	113	111
Jul	102	95	107	95	96	94	115	115	112	111
Aug	101	99	103	100	99	97	114	115	111	111
Sep	99	97	100	95	98	98	113	116	110	112
Oct	99	91	100	88	98	96	114	117	110	113
Nov	99	93	101	89	97	98	114	117	110	113
Dec	98	91	100	88	97	95	114	117	110	114

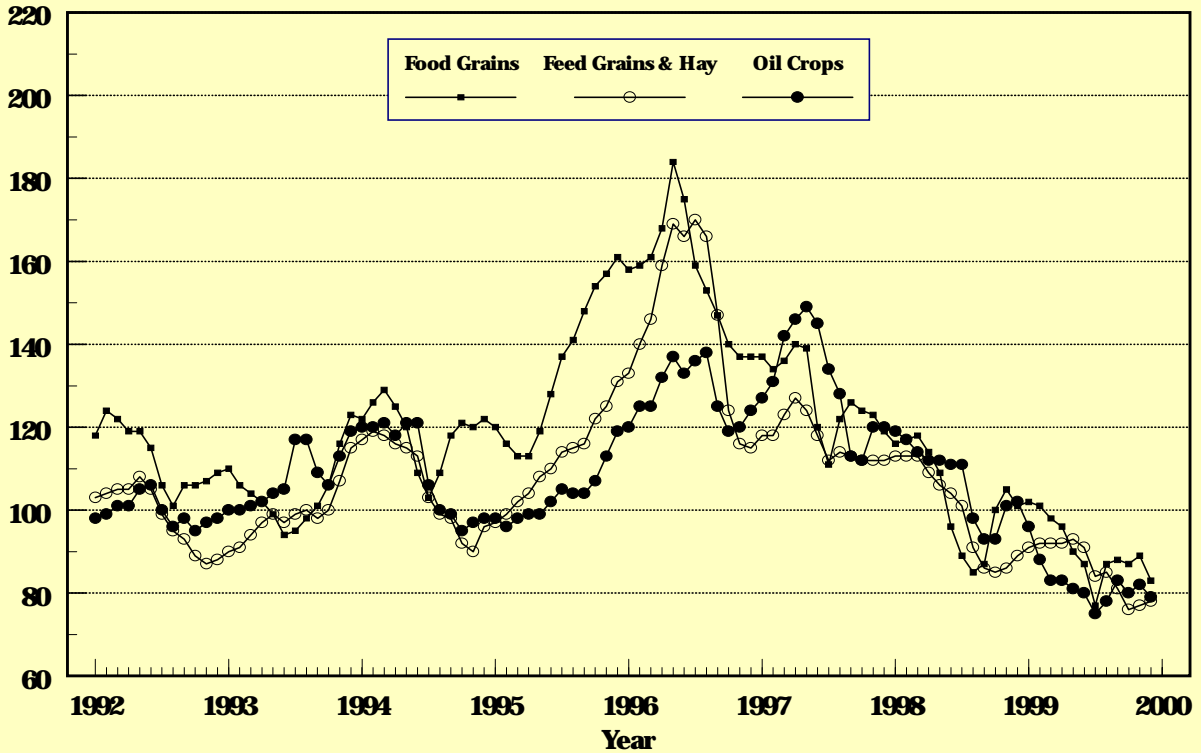
## Prices Received, Major Indexes, US

Index Values(1990-92= 100)



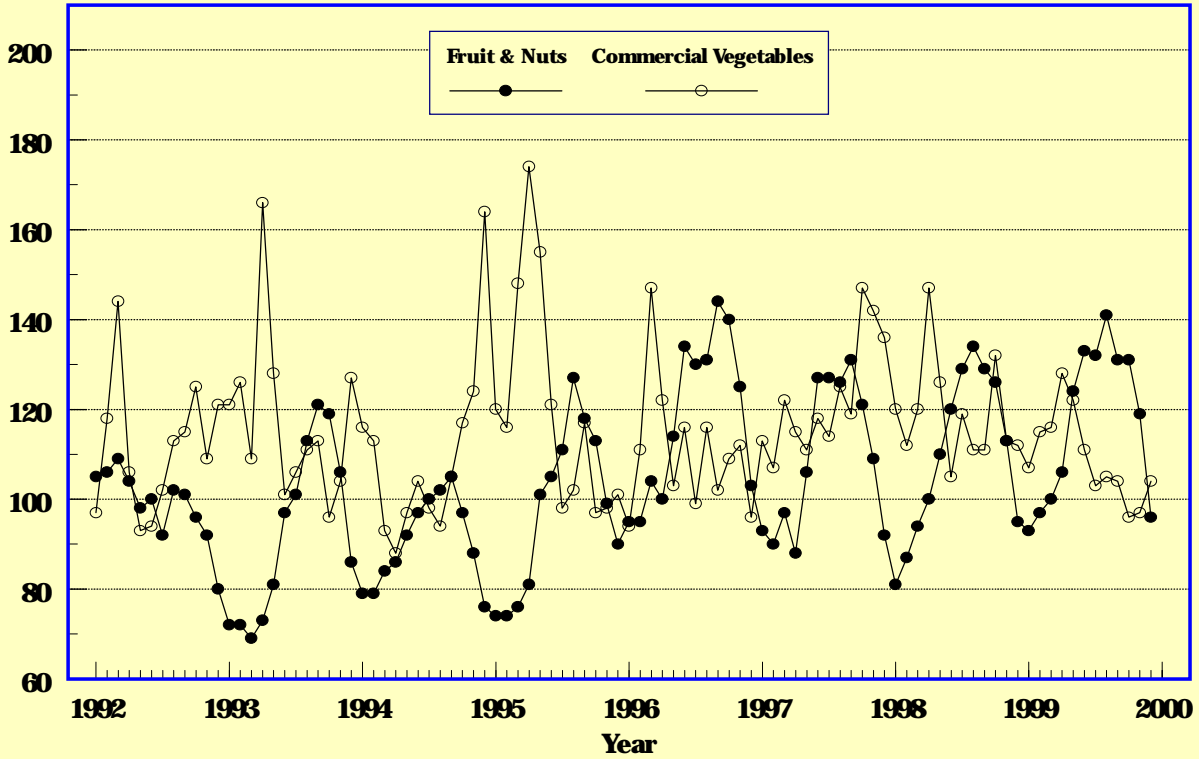
## Prices Received, Food, Feed & Oil Indexes, US

Index Values(1990-92= 100)



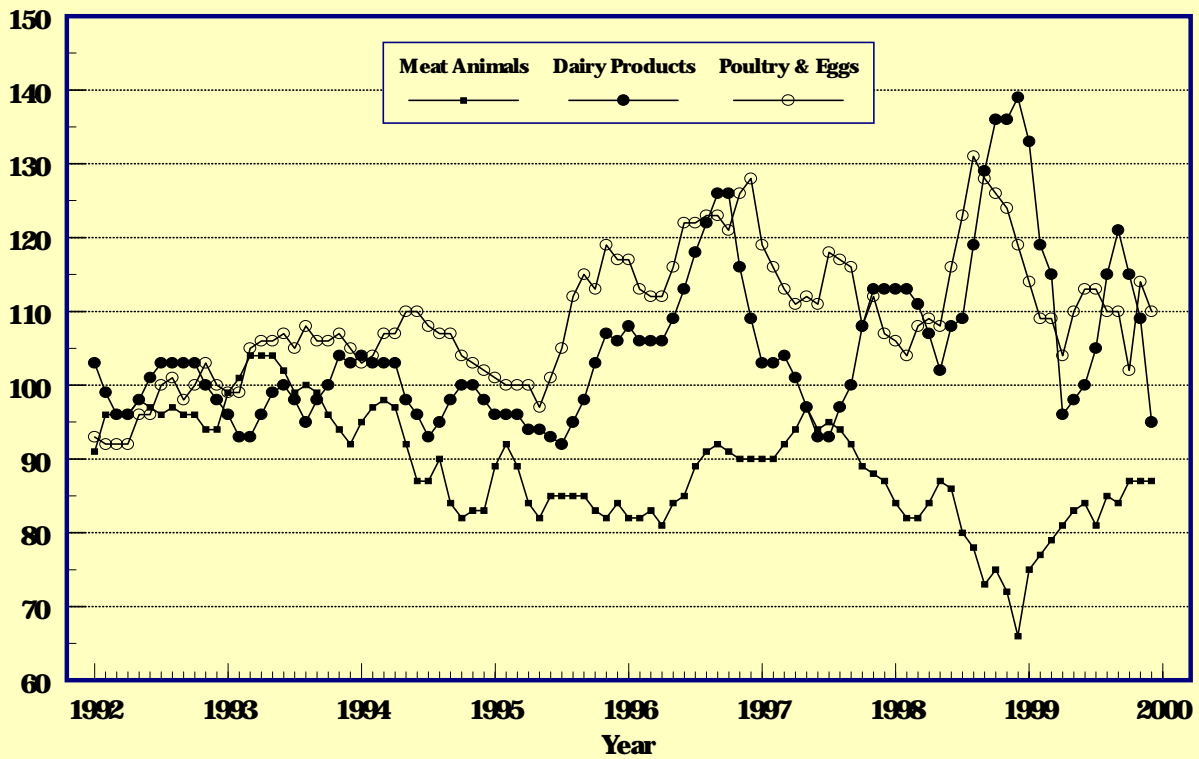
## Prices Received, Fruit/Vegetable Indexes, US

Index Values(1990-92= 100)



## Prices Received, Livestock Product Indexes, US

Index Values(1990-92= 100)



Prices Received, United States,  
December 1999, with Comparisons

Commodity	Unit	Average 1990-92	Entire Month		Preliminary
			Dec	Nov	Dec
			1998	1999	1999
Dollars					
Field Crops					
Barley, All	Bu	2.12	2.03	2.15	2.14
Feed	Bu	1.90	1.55	1.63	1.63
Malting	Bu	2.43	2.35	2.46	2.53
Beans, Dry Edible	Cwt	19.10	19.90	17.30	15.70
Corn	Bu	2.30	2.00	1.70	1.72
Cotton, Upland	Lb	.606	.606	.447	.436
Cottonseed	Ton	96.00	138.00	94.00	99.00
Flaxseed	Bu	4.27	5.00	3.66	3.50
Hay, All, Baled 1/	Ton	76.30	77.50	74.00	71.10
Alfalfa 1/	Ton	77.20	79.70	77.30	73.20
Other 1/	Ton	60.00	71.10	64.80	65.90
Oats	Bu	1.22	1.19	1.11	1.13
Peanuts, In-Shell	Lb	.304	.272	.239	.213
Potatoes	Cwt	5.82	5.30	5.51	5.65
Rice, Rough	Cwt	7.07	9.06	6.11	6.14
Sorghum Grain	Cwt	3.75	2.94	2.58	2.60
Soybeans	Bu	5.61	5.37	4.45	4.29
Sunflower 2/	Cwt	9.50	11.00	6.85	6.88
Tobacco	Lb	1.740	1.915	1.825	1.905
Wheat, All	Bu	2.96	2.86	2.66	2.43
Winter	Bu	2.93	2.68	2.42	2.18
Durum	Bu	2.86	3.05	2.62	2.75
Other Spring	Bu	3.11	3.19	2.95	2.82
Hard Red Winter	Bu		2.72	2.28	
Soft Red Winter	Bu	2.87	2.34	2.09	
Hard Red Spring	Bu		3.26	2.97	
White	Bu	3.24	2.58	2.75	
Fruit					
Citrus-Equiv on-tree					
Grapefruit	Box	5.77	2.82	5.21	3.71
Lemons	Box	10.10	7.43	12.47	9.49
Limes 3/	Box	10.15	19.50		
Oranges	Box	5.79	4.99	4.33	3.41
Tangelos	Box	5.82	5.03	5.47	3.30
Tangerines	Box	15.11	11.17	9.20	7.11
Temples	Box	6.23			
Non-citrus					
Apples, Fresh 4/	Lb	.212	.149	.233	.237
Grapes, Fresh 4/	Ton	506.00	550.00	600.00	
Peaches, Fresh 4/	Lb	.216			
Pears, Fresh 4/	Ton	370.00	305.00	461.00	414.00
Strawberries, Fresh	Lb	.560	1.08	1.20	1.46

- 1/ Mid-month price.
- 2/ KS, MN, ND and SD average.
- 3/ Current prices not published to avoid disclosure of individual firms.
- 4/ Equivalent packinghouse-door returns for CA, NY (apples only), OR (pears only) and WA (apples, peaches, and pears). Prices as sold for other states.

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Prices Received, United States,  
December 1999, with Comparisons (continued)

Commodity	Unit	Average 1990-92	Entire Month		Preliminary
			Dec 1998	Nov 1999	Dec 1999
Dollars					
Vegetables, Fresh 1/					
Asparagus	Cwt	79.80			
Broccoli	Cwt	22.50	35.00	21.60	24.50
Cantaloupes	Cwt			19.60	23.60
Carrots	Cwt	13.20	11.70	11.20	11.20
Cauliflower	Cwt	26.80	50.00	34.80	45.80
Celery	Cwt	11.60	14.00	12.80	11.60
Corn, Sweet	Cwt	15.70	19.40	31.80	39.70
Cucumbers 2/	Cwt		17.50	15.50	15.60
Lettuce	Cwt	11.90	9.00	10.50	14.60
Onions	Cwt	12.80	15.90	8.30	7.88
Snap Beans 2/	Cwt		37.60	76.20	73.40
Tomatoes	Cwt	32.30	47.70	26.60	30.10
Livestock					
Calves	Cwt	94.30	80.20	93.00	97.80
Cattle, All Beef	Cwt	72.90	56.80	66.20	66.40
Cows	Cwt	49.60	30.80	33.60	34.70
Steers & Heifers	Cwt	77.10	60.30	70.90	70.80
Milk Cows 3/	Head	1130.00			
Hogs, All	Cwt	47.70	14.70	33.40	35.40
Barrows & Gilts	Cwt	48.40	14.80	33.80	35.80
Sows	Cwt	39.50	12.10	24.80	25.60
Lambs	Cwt	56.20	64.70	76.30	
Sheep	Cwt	23.40	30.10	30.20	
Dairy and Poultry					
Milk, All 4/	Cwt	13.06	18.00	14.30	5/12.40
Fluid Grade	Cwt	13.10	18.10	14.40	5/12.40
Mfg Grade	Cwt	11.80	17.40	11.00	5/10.70
Broilers, Live 6/	Lb	.317	.390	.374	.368
Eggs, All 7/	Doz	.643	.758	.643	.613
Market 7/	Doz	.546	.629	.490	.433
Turkeys, Live 6/7/	Lb	.380	.403	.456	.422
Adjusted for Seasonal Variation					
Eggs, All	Doz	.545	.702	.663	.562
Milk, All 4/	Cwt	9.71	17.82	13.62	12.04

1/ F.O.B. shipping point.

2/ Monthly estimates began January 1995.

3/ Animals sold for dairy herd replacement only. Prices available for Jan, Apr, Jul, and Oct.

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

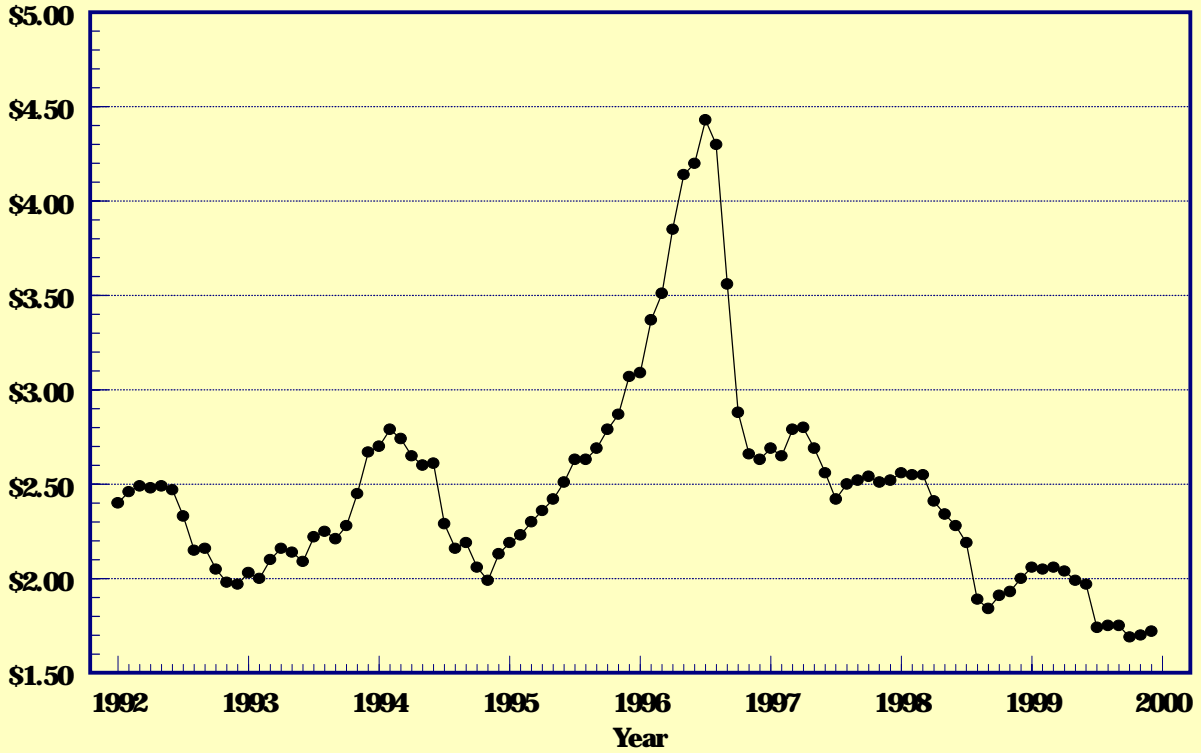
5/ Fat test percent: all milk 3.79, fluid milk 3.79, mfg grade 3.92.

6/ Liveweight equivalent price.

7/ Mid-month price.

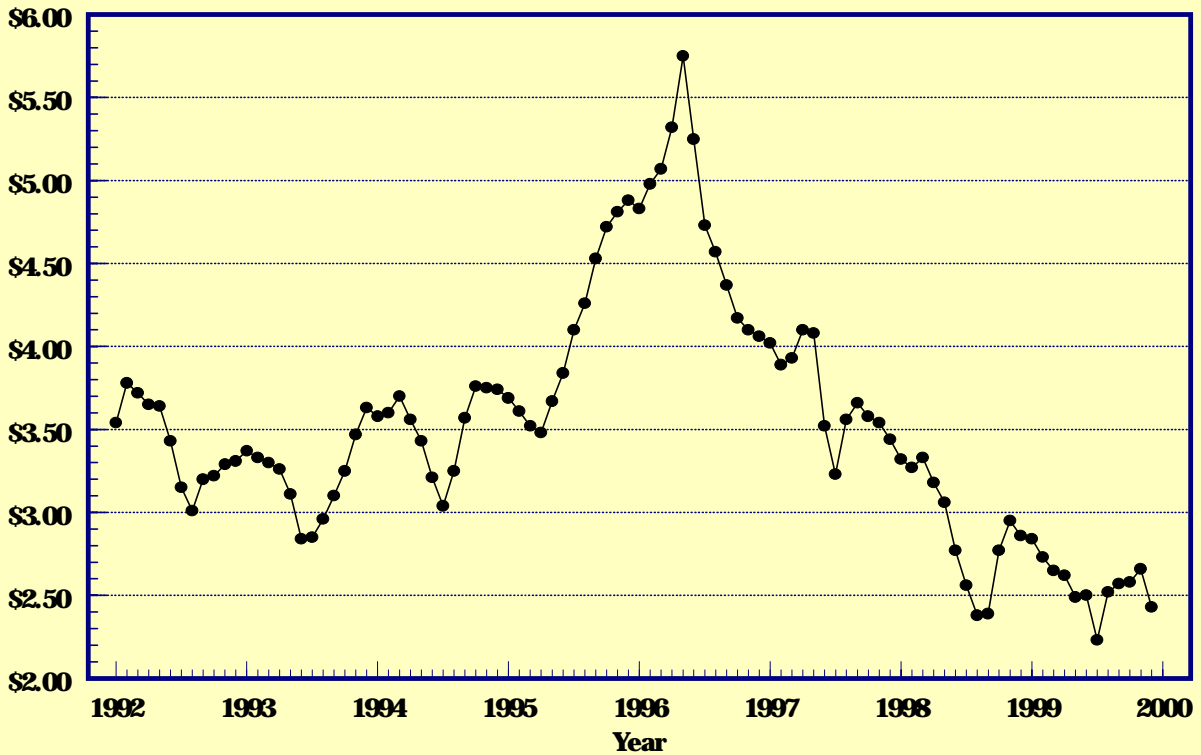
## Prices Received, Corn, US

Dollars per Bu



## Prices Received, Wheat, US

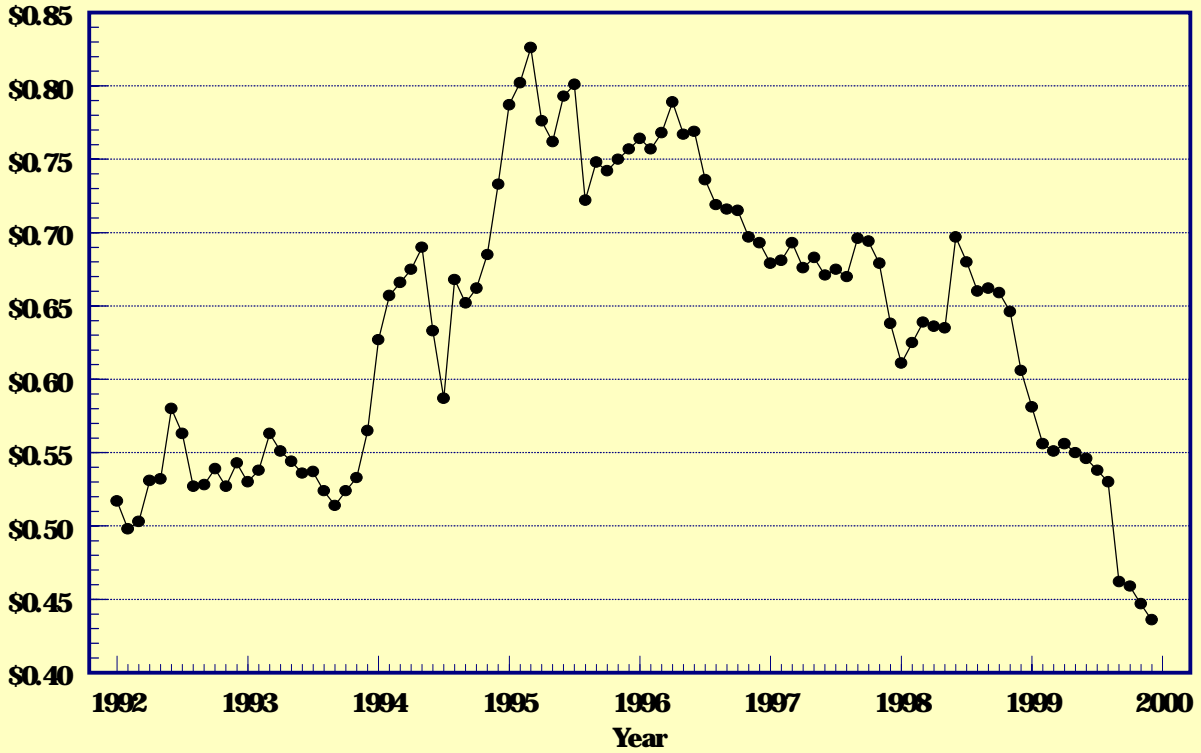
Dollars per Bu





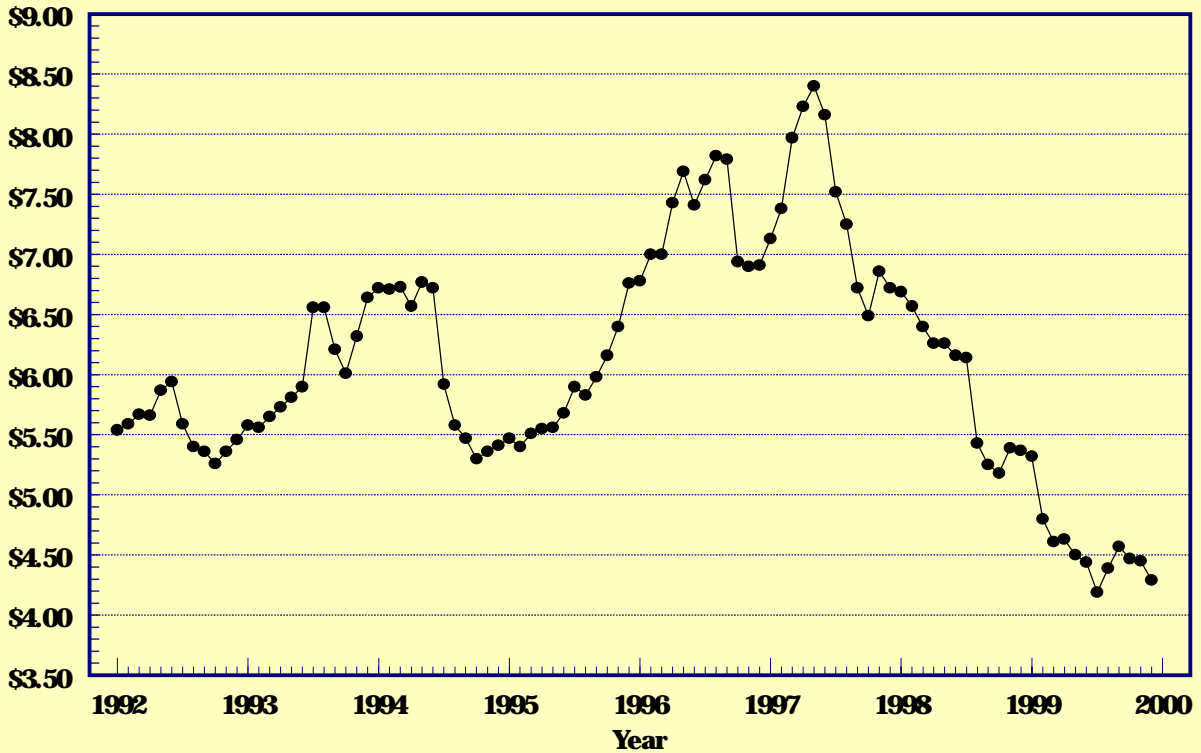
## Prices Received, Cotton, US

Dollars per Lb



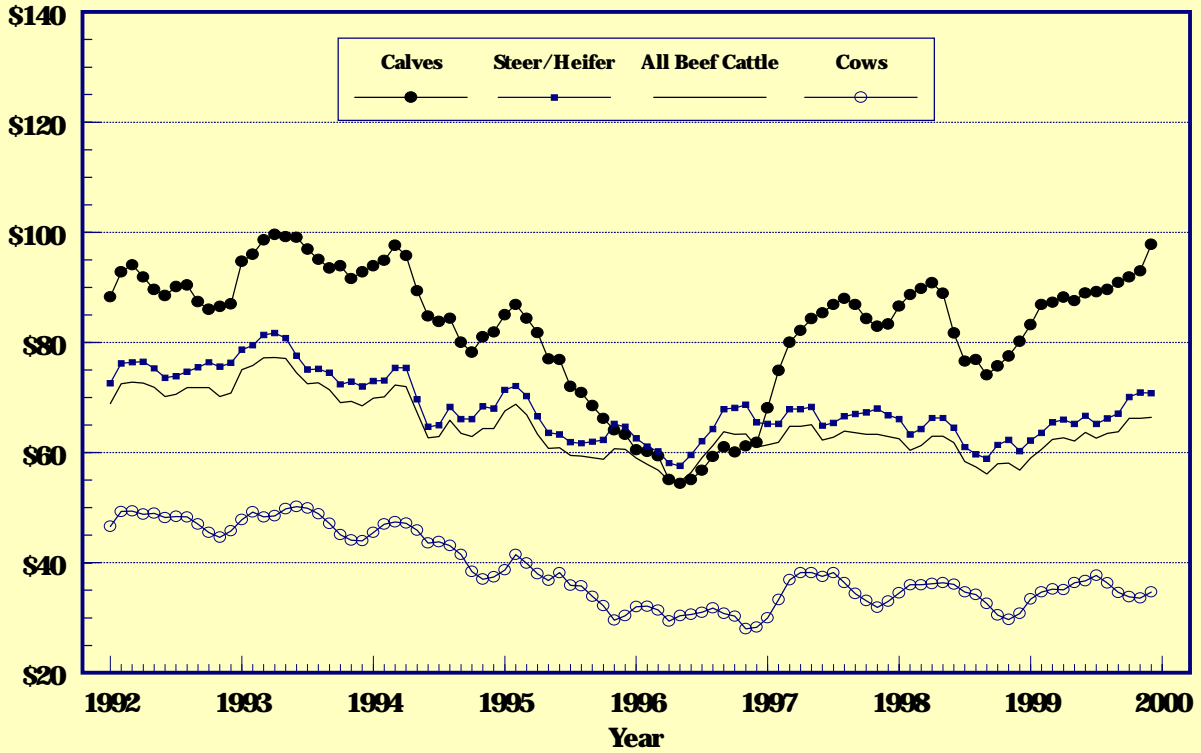
## Prices Received, Soybeans, US

Dollars per Bu



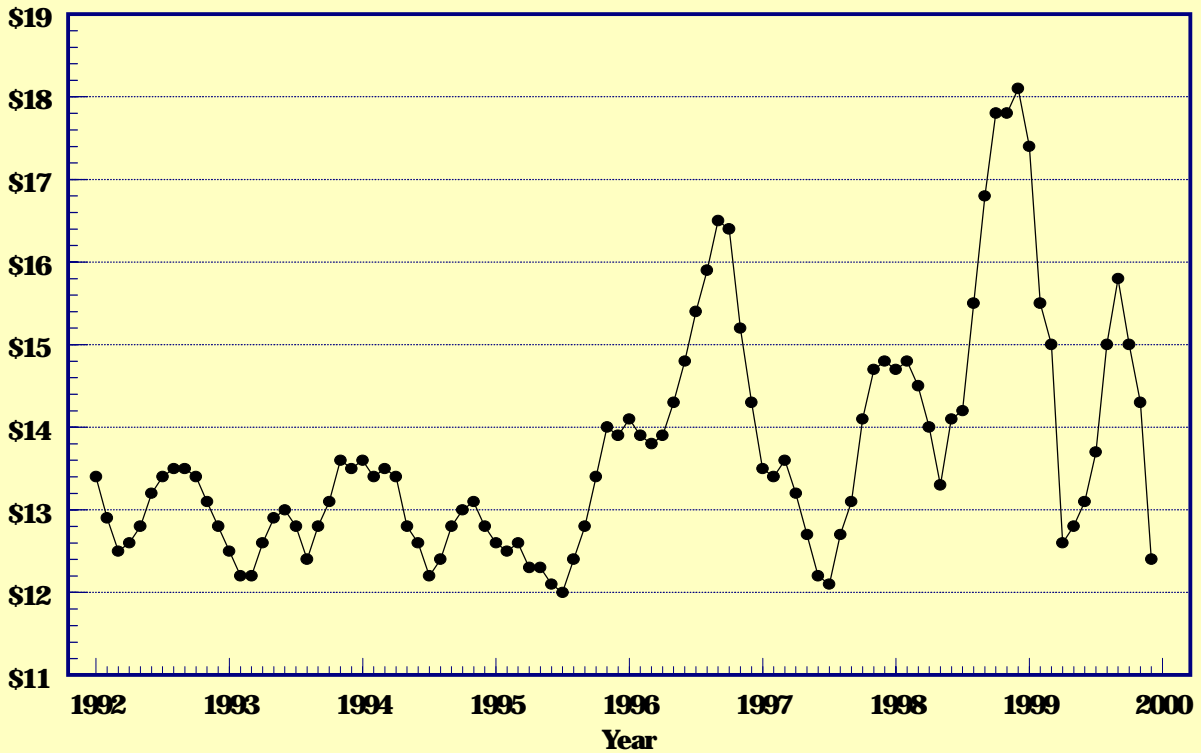
## Prices Received, Cattle, US

Dollars per Cwt



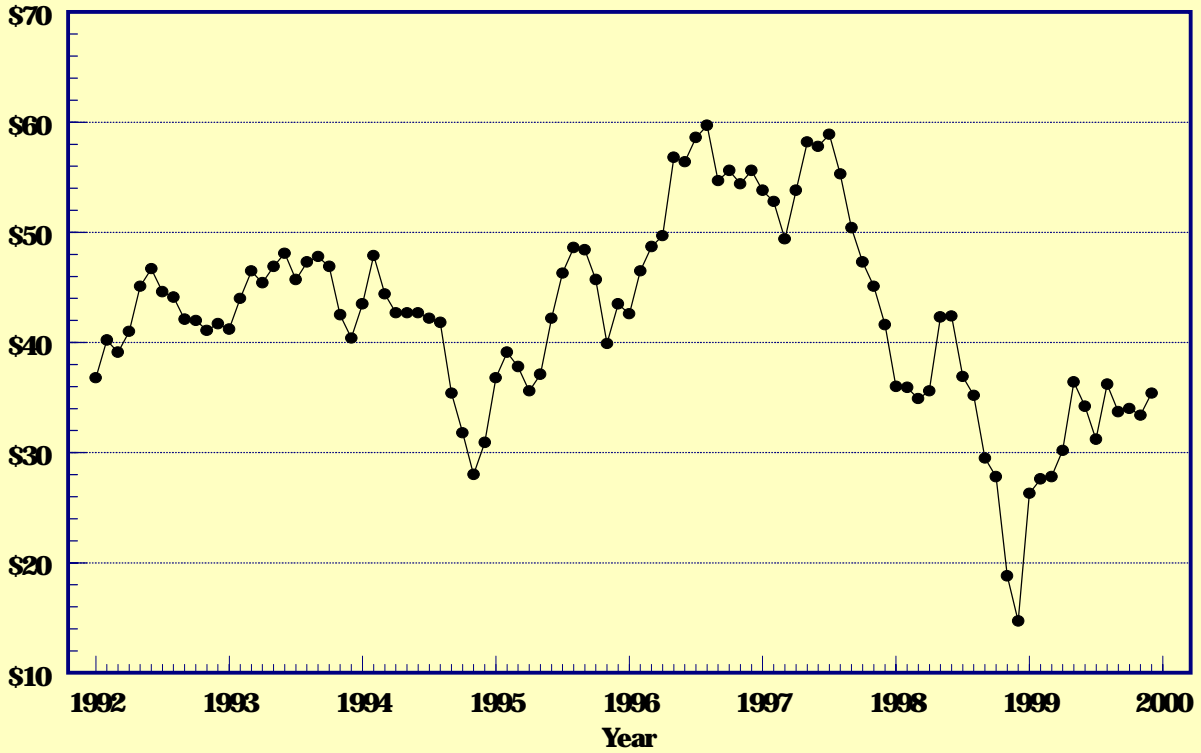
## Prices Received, Milk, US

Dollars per Cwt



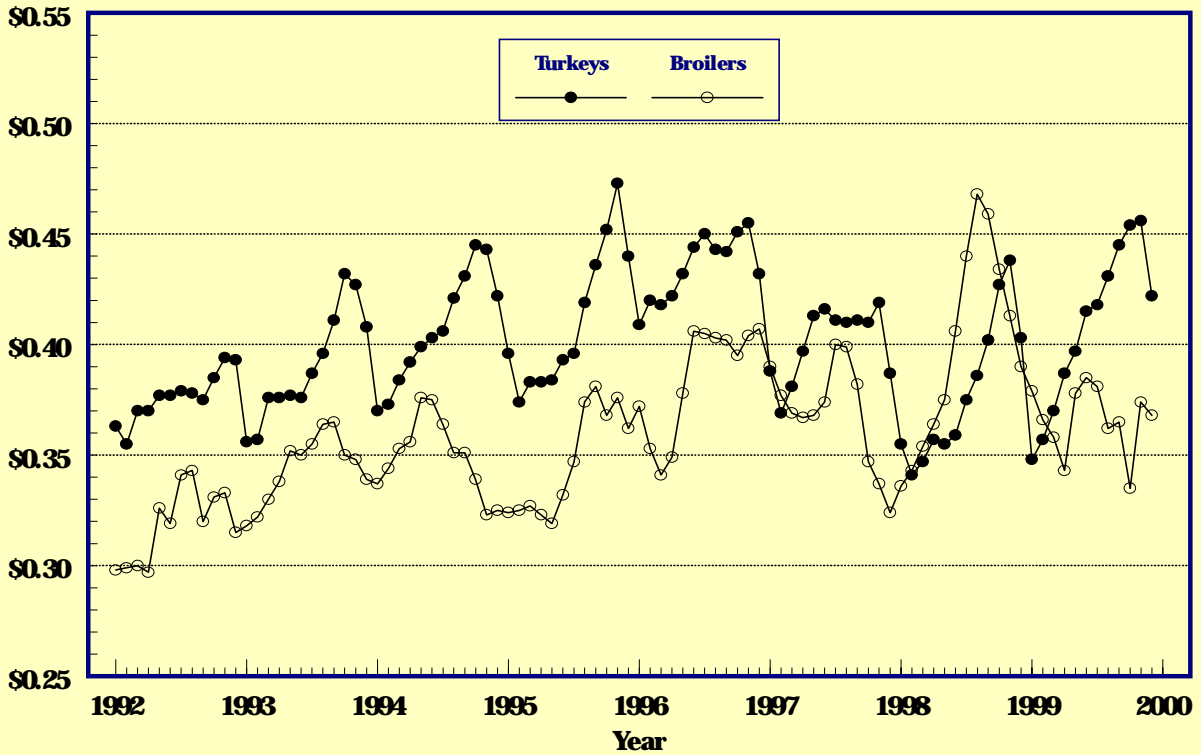
## Prices Received, Hogs, US

Dollars per Cwt



## Prices Received, Turkeys & Broilers, US

Dollars per Lb



Wheat: Prices Received, by States, November and December 1999

State	All Wheat		Winter Wheat		Durum Wheat		Oth Spring Wheat	
	Nov 1/	Dec 2/	Nov 1/	Dec 2/	Nov 1/	Dec 2/	Nov 1/	Dec 2/
	Dollars per Bushel							
AR	2.02	2.24	2.02	2.24				
CA	3/	3/	3/	3/	4/	4/		
CO	2.22	2.00	2.23	2.00			2.06	1.99
ID	2.72	2.62	2.57	2.50			2.91	2.80
IL	2.12	2.15	2.12	2.15				
IN	2.12	1.93	2.12	1.93				
KS	2.24	2.07	2.24	2.07				
MI	1.83	1.85	1.83	1.85				
MN	2.88	2.84	2.35	2.30	3/	4/	2.89	2.85
MO	2.19	2.10	2.19	2.10				
MT	3.00	2.87	2.76	2.70	3.74	3.50	3.06	2.90
NE	1.98	2.00	1.98	2.00				
ND	2.83	2.77	2.34	2.25	2.53	2.70	2.94	2.80
OH	1.96	1.85	1.96	1.85				
OK	2.20	2.02	2.20	2.02				
OR	2.91	2.55	2.90	2.50			2.92	2.85
SD	2.65	2.59	2.09	2.09	3/	4/	2.78	2.71
TX	2.25	2.04	2.25	2.04				
WA	2.84	2.55	2.80	2.49			3.04	2.80
US	2.66	2.43	2.42	2.18	2.62	2.75	2.95	2.82

1/ Entire month.

2/ Mid-month.

3/ Price not published to avoid disclosure of individual firms.

4/ Insufficient sales to establish a price.

Prices Received for Selected Agricultural Commodities, by Months, United States, 1998 and 1999

Month	All Wheat		Corn		Soybeans		Beef Cattle 1/		All Hogs	
	1998	1999 2/	1998	1999 2/	1998	1999 2/	1998	1999 2/	1998	1999 2/
	Dollars per Bushel						Dollars per Cwt			
Jan	3.32	2.84	2.56	2.06	6.69	5.32	62.50	59.00	36.00	26.30
Feb	3.27	2.73	2.55	2.05	6.57	4.80	60.40	60.60	35.90	27.60
Mar	3.33	2.65	2.55	2.06	6.40	4.61	61.30	62.40	34.90	27.80
Apr	3.18	2.62	2.41	2.04	6.26	4.63	63.00	62.70	35.60	30.20
May	3.06	2.49	2.34	1.99	6.26	4.50	63.00	62.10	42.30	36.40
Jun	2.77	2.50	2.28	1.97	6.16	4.44	61.80	63.70	42.40	34.20
Jul	2.56	2.23	2.19	1.74	6.14	4.19	58.40	62.60	36.90	31.20
Aug	2.38	2.52	1.89	1.75	5.43	4.39	57.40	63.50	35.20	36.20
Sep	2.39	2.57	1.84	1.75	5.25	4.57	56.10	63.80	29.50	33.70
Oct	2.77	2.58	1.91	1.69	5.18	4.47	58.00	66.20	27.80	34.00
Nov	2.95	2.66	1.93	1.70	5.39	4.45	58.10	66.20	18.80	33.40
Dec	2.86	2.43	2.00	1.72	5.37	4.29	56.80	66.40	14.70	35.40

1/ Cows, steers and heifers.

2/ Current month prices are mid-month; prices for previous months are for the entire month.

Grains: Prices Received, by States, November and December 1999

State	Barley 1/		Corn		Oats		Soybeans		Sorghum Grain	
	Nov 2/	Dec 3/	Nov 2/	Dec 3/	Nov 2/	Dec 3/	Nov 2/	Dec 3/	Nov 2/	Dec 3/
----- Dollars per Bushel ----- Dollars per Cwt										
AL										
AR							4.83	4.50	3.19	3.40
CA	2.48	2.50								
CO	1.78	1.79	1.75	1.65						
GA			2.27	2.19			4.49	4.75		
ID	2.48	2.35								
IL			1.81	1.80	5/	5/	4.55	4.45	2.97	3.10
IN			1.75	1.82			4.56	4.39		
IA			1.64	1.64	1.16	1.15	4.29	4.15		
KS			1.76	1.66			4.35	4.15	2.48	2.48
KY			1.96	1.95			4.55	4.50		
LA							4.64	4.59		
MI			1.68	1.70	1.20	1.20	4.40	4.30		
MN	1.64	1.62	1.54	1.55	.94	.95	4.18	4.10		
MS							4.65	4.36		
MO			1.94	1.90			4.55	4.40	2.65	2.90
MT	2.28	2.28			1.02	1.00				
NE			1.67	1.70	1.25	1.20	4.26	4.20	2.50	2.65
NC			2.18	2.15			4.41	4.35		
ND	2.06	2.05			.91	1.00				
OH			1.81	1.80	1.53	1.50	4.66	4.45		
OK									2.67	2.56
OR	1.81	1.80			1.27	1.50				
PA			2.36	2.36	1.84	1.50				
SD	2.18	2.39	1.43	1.45	1.10	1.17	4.09	3.97		
TN			2.14	2.20			4.59	4.60		
TX			2.04	2.00	5/	5/			2.86	2.75
UT	1.87	1.83								
WA	1.74	1.68								
WI			1.65	1.60	1.04	1.00	4.63	4.55		
WY	2.64	2.61								
US	2.15	2.14	1.70	1.72	1.11	1.13	4.45	4.29	2.58	2.60

- 1/ The Three-State (MN, ND and SD) Feed Barley price for December 1999 is \$1.34.
- 2/ Entire month.
- 3/ Mid-month.
- 4/ Price not published to avoid disclosure of individual firms.
- 5/ Insufficient sales to establish a price.

Malting and Feed Barley: Prices Received Selected States, November and December 1999

State	Malting Barley		Feed Barley	
	Nov	Dec	Nov	Dec
----- Dollars per Bushel -----				
ID	2.56	2.60	1.82	1.75
MN	1.94	2.00	1.40	1.30
MT	2.64	2.70	1.56	1.50
ND	2.31	2.30	1.38	1.35
SD	2.23	2.40	1.33	1.20
WY	2.81	2.75	1.45	1.50

Field Crops: Prices Received, by States, November and December 1999

State	Dry Edible Beans		Sunflower		Flaxseed		Tobacco		Peanuts 4/5/	
	Nov 1/	Dec 2/	Nov 1/	Dec 2/	Nov 1/	Dec 2/	Nov 1/	Dec 3/	Nov 1/	Dec 3/
	---- Dollars per Cwt		---- Dollars per Bu		---		Dollars per Pound		---	
AL									.263	.299
CA	27.20	27.90								
CO	15.50	14.40								
FL						1.775			.230	.145
GA						1.670			.270	.258
ID	16.50	15.50								
IN						1.900	1.905			
KS										
KY						1.895	1.910			
MD										
MI	15.00	14.00								
MN	19.60	18.30	8.53	8.76						
MO						1.890	1.890			
NE	16.10	15.40								
NC						1.805	1.915	.269	.255	
ND	13.50	12.90	7.53	7.50	3.66	3.50				
OH						1.905	1.925			
OK										
SC						1.720				
SD			6.03	5.71						
TN						1.895	1.900			
TX								.205	.197	
VA						1.840	1.900	.266	.270	
WV										
US	17.30	15.70	6.85	6.88	3.66	3.50	1.825	1.905	.239	.213

- 1/ Entire month.
- 2/ Mid-month.
- 3/ Based on sales through first half of month.
- 4/ In-shell.
- 5/ Includes additional loan peanuts at loan value.
- 6/ Sales volume insufficient to establish a state price, but all sales included in U.S. price.
- 7/ Price not published to avoid disclosure of individual firms.

Tobacco: Prices Received, by Area and Type, December 1999, with Comparisons

Class by Type	Type	Dec 1998	Nov 1999	Dec 1999 1/
		Dollars per Pound		
Fire-cured				
VA Belt	21	1.960	1.895 2/	1.845
Total Fire-cured	21-23	1.960	1.895	1.845
Light Air-Cured				
Burley	31	1.910	1.895 2/	1.905
Total Light Air-Cured	31-32	1.910	1.895	1.905
Dark Air-cured				
One Sucker Belt	35	2.010		2.190
Green River Belt	36	2.005		
Sun-cured Belt	37	1.725		
Total Dark Air-cured	35-37	2.005		2.190
US 3/	11-37	1.915	1.825	1.905

- 1/ Based on sales during the first half of the month.
- 2/ Markets opened in November 1999.
- 3/ November 1999 price includes Flue-cured (11-14) sales at 1.795 per pound.

Field Crops and Apples: Prices Received, by States,  
November and December 1999

State	Cotton, Upland		December				Apples Fresh Use 1/4/
	Nov 1/	Dec 2/	Cotton- seed 5/	Hay, Baled 3/ All	Alfalfa	Other	
	Dollars per Pound		Dollars per Ton			Dol/Lb	
AL	.449	.429	73.00				
AZ	.456	6/	126.00	76.00	76.00	65.00	
AR	.485	.424	73.00				
CA	.562	6/	135.00	81.00	84.00	61.00	.333
CO				66.00	66.00	60.00	
GA	.450	.458	73.00				
ID				82.00	84.00	54.00	
IL				82.00	87.00	64.00	
IA				77.00	78.00	58.00	
KS				62.00	64.00	50.00	
KY				87.00	120.00	78.00	
LA	.423	.411					
MI				81.00	85.00	65.00	.145
MN				61.00	70.00	41.00	
MS	.436	.442					
MO				75.00	112.00	68.00	
MT				64.00	65.00	57.00	
NE				38.00	39.00	34.00	
NV				81.00	81.00	80.00	
NM				120.00	123.00	94.00	
NY				115.00	120.00	100.00	.156
NC	.480	.444	97.00				
ND				37.00	42.00	28.00	
OH				123.00	135.00	85.00	.275
OK				71.00	88.00	45.00	
OR				89.00	91.00	80.00	
PA				136.00	153.00	126.00	.240
SD				43.00	46.00	27.00	
TN	.427	.420					
TX	.400	.396	88.00	67.00	129.00	63.00	
UT				73.00	75.00	35.00	
VA							.190
WA				103.00	89.00	144.00	.246
WI				51.00	55.00	35.00	
WY				64.00	65.00	59.00	
US	.447	.436	99.00	71.10	73.20	65.90	.237

1/ Entire month. 2/ Based on sales during the first half of the month.  
3/ Mid-month. 4/ Equivalent packinghouse-door returns for CA,MI,NY and WA.  
Price at point of first sale for other states. 5/ Marketing year  
August-February. 6/ Price not published to avoid disclosure of  
individual firms.

Upland Cotton and Rice: Prices Received and Marketings,  
United States, December 1999, with Comparisons

Item	Unit	Oct 1999 1/	Nov 1999 1/	Dec 1999 2/
Cotton, Upland				
Average Price	Dollars/Pound	.459	.447	.436
Marketings 3/	1,000 Bales	1399	2117	NA
Rice				
Average Price	Dollars/Cwt	6.23	6.11	6.14
Marketings 4/	1,000 Cwt	13833	12811	NA

1/ Entire month. 2/ Based on purchases for the first half of the month.  
3/ Expanded data from sample of about 60 percent of buyers. 4/ Purchases  
by private firms and rice (rough equivalent) shipped by cooperatives.

Citrus Fruit: Prices and Equivalent Returns, by Utilization,  
by State and United States, December 1999 1/

Commodity And State	:	F.O.B. Packed Fresh	Equivalent Returns					
			Packinghouse-door		On-tree			
			All	Fresh	Process	All	Fresh	Process
Dollars per Box 2/								
Grapefruit	:							
CA	:	19.30	13.86	13.86		11.92	11.92	
FL	:	14.40	5.39	6.56	3.80	3.15	4.56	1.25
White Seedless	:	16.60	5.73	8.00	3.80	3.51	6.00	1.40
Colored Seedless	:	14.00	5.31	6.30	3.80	3.07	4.30	1.20
TX	:	16.80	6.35	8.10	1.12	5.21	6.95	0.02
US	:	15.20	5.67	7.08	3.36	3.71	5.34	1.05
Lemons	:							
AZ	:	26.60	13.87	18.16	0.74	10.23	14.52	-2.90
CA	:	28.50	12.40	20.06	0.74	8.76	16.42	-2.90
US	:	27.50	13.13	19.01	0.74	9.49	15.37	-2.90
Oranges	:							
AZ	:							
Navel and Misc	:	17.80	9.37	11.78	0.06	7.39	9.80	-1.92
CA	:							
Navel and Misc	:	16.40	8.58	10.38	0.06	6.60	8.40	-1.92
FL	:							
Early and Mids	:	14.20	5.05	7.10	4.90	3.19	5.10	3.05
TX	:							
Early and Mids	:	16.70	6.90	7.90	2.90	5.61	6.60	1.65
US	:	15.20	5.27	8.40	4.84	3.41	6.46	2.99
Tangelos	:							
FL	:	15.10	5.90	7.60	4.25	3.30	5.10	1.55
Tangerines	:							
AZ	:	23.40	13.26	17.50	0.72	11.18	15.42	-1.36
CA	:	26.50	14.08	20.60	1.40	12.00	18.52	-0.68
FL	:	21.10	10.14	12.50	4.90	6.57	9.05	1.05
US	:	21.50	10.53	13.23	4.51	7.11	9.93	0.85

- 1/ Lime prices not published to avoid disclosure of individual operations.  
2/ Net lbs. per box: Grapefruit-CA-67, FL-85, TX-80; Lemons-76; Oranges-AZ & CA-75, FL-90, TX-85; Tangelos-90; Tangerines-AZ & CA-75, FL-95.



Potatoes: Prices Received, by States,  
November and December 1999

State	Nov	Dec	State	Nov	Dec
	: Dollars per Cwt			: Dollars per Cwt	
AL			NC		
AZ			ND - All 1/	5.70	6.00
CA - All	11.10	10.10	- Fresh 2/	8.15	NA
- Winter	18.10	16.50	- Processing	4.75	NA
- Spring			OH	7.90	6.85
- Summer			OR	4.85	4.95
- Fall	7.25	6.65	PA	7.60	8.15
CO - All 1/	4.50	4.50	TX		
- Fresh 2/	4.81	NA	VA		
FL			WA - All	4.80	5.00
ID - All 1/	4.90	4.80	- Processing	4.40	NA
- Fresh 2/	5.10	NA	WI - All 1/	5.45	5.50
- Processing	4.80	NA	- Fresh 2/	5.70	NA
ME	6.30	6.40	- Processing	5.05	NA
MI	6.25	6.65			
MN	6.40	6.70	US - All 1/	5.51	5.65
NY	9.00	9.00	- Fresh 2/	6.59	NA
			- Processing	4.91	NA

- 1/ Average price of potatoes sold for all uses, including table stock, processing, seed and livestock feed.  
2/ Fresh market prices only, includes table stock prices.

Cattle: Prices Received, by States, November and December 1999

State	Cows 1/		Steers & Heifers:		Beef Cattle 4/		Calves	
	Nov 2/	Dec 3/	Nov 2/	Dec 3/	Nov 2/	Dec 3/	Nov 2/	Dec 3/
	Dollars per Cwt							
AZ	30.60	33.70	69.90	69.50	69.40	69.10	84.50	90.90
AR	29.70	31.30	72.50	71.70	56.70	56.80	84.40	90.90
CA	33.00	34.00	68.00	67.50	48.40	48.70	83.50	88.00
CO	34.60	37.40	73.80	74.90	69.50	71.90	92.80	101.00
FL	32.80	34.70	69.50	73.30	42.00	44.40	87.90	92.00
GA	32.10	34.20	67.90	73.00	42.80	46.20	82.50	88.80
ID	34.20	36.00	70.30	70.90	58.40	61.10	84.00	88.00
IL	32.80	33.30	67.20	68.70	66.50	68.00	111.00	112.00
IA	35.10	35.80	70.40	70.80	65.50	65.90	90.80	95.80
KS	31.20	33.10	71.80	70.80	70.60	69.70	97.00	98.00
KY	34.00	35.00	74.00	77.00	64.40	66.90	81.00	86.00
LA	30.90	34.00	72.70	79.00	45.90	48.40	84.80	93.00
MI	35.20	35.20	61.40	61.00	50.90	50.70	73.00	80.00
MN	34.60	35.50	66.60	67.50	60.50	61.40	79.30	87.00
MO	33.10	33.90	79.10	81.60	69.40	71.60	87.30	92.40
MT	33.50	34.60	84.60	86.10	75.40	74.30	92.30	95.20
NE	32.50	32.80	70.50	69.60	69.30	68.50	91.20	95.00
NM	34.40	36.40	76.50	83.00	58.40	62.00	86.20	93.00
ND	37.50	38.00	81.30	82.00	69.10	65.70	90.10	92.00
OH	32.80	34.00	68.30	69.00	64.80	65.50	78.20	79.00
OK	32.80	36.10	81.00	86.20	70.50	75.20	92.50	96.80
OR	35.10	35.80	73.80	76.80	62.20	64.50	79.70	83.50
PA	35.30	36.30	65.90	65.30	57.90	57.80	104.00	104.00
SD	33.30	34.20	84.10	87.70	74.90	78.10	98.40	103.00
TN	30.00	31.00	74.00	77.00	56.40	58.60	83.00	89.00
TX	30.40	31.90	70.90	72.10	66.90	68.10	90.80	96.50
VA	30.70	30.80	70.70	74.50	60.30	55.70	79.30	82.60
WI	35.80	36.20	66.90	65.80	48.90	48.60	125.00	128.00
WY	37.80	39.50	86.20	87.70	71.20	68.40	95.90	100.00
US	33.60	34.70	70.90	70.80	66.20	66.40	93.00	97.80

- 1/ Beef cows and cull dairy cows sold for slaughter.
- 2/ Entire month.
- 3/ Mid-month.
- 4/ "Cows" and "steers and heifers" combined.

Hogs: Prices Received, by States, November and December 1999

State	Sows		Barrows and Gilts		All Hogs	
	Nov 1/	Dec 2/	Nov 1/	Dec 2/	Nov 1/	Dec 2/
	Dollars per Cwt					
AR	3/ 26.00	3/ 26.00	3/ 32.80	3/ 32.80	3/ 32.70	3/ 32.70
GA	26.60 4/	4/ 26.60	32.20 4/	4/ 32.20	31.60 4/	4/ 31.60
IL	22.90	24.80	32.40	33.80	31.60	33.10
IN	26.50	27.40	33.50	35.10	32.80	34.30
IA	26.70	27.10	34.90	38.60	34.90	38.50
KS	24.90	27.00	32.40	34.10	31.60	33.20
KY	24.00 4/	4/ 24.00	32.00 4/	4/ 32.00	31.70 4/	4/ 31.70
MI	22.50	23.50	34.00	33.50	33.10	32.70
MN	24.30	25.50	33.90	37.00	33.60	36.70
MO	23.70	25.00	29.70	31.10	29.30	30.70
NE	28.20	29.70	35.00	36.00	34.90	35.90
NC	25.60	26.90	34.10	36.00	34.00	35.90
OH	22.60	23.00	34.10	35.00	33.30	34.20
OK	3/ 26.00	3/ 26.00	3/ 32.00	3/ 32.00	3/ 31.20	3/ 31.20
PA	23.20	22.30	33.30	34.90	31.80	33.00
SC	30.00 4/	4/ 30.00	31.50 4/	4/ 31.50	31.40 4/	4/ 31.40
SD	24.50	23.10	36.10	36.10	34.60	34.40
TN	24.00 4/	4/ 24.00	32.00 4/	4/ 32.00	31.20 4/	4/ 31.20
TX	20.90	22.30	30.80	33.10	29.30	31.50
VA	19.60 4/	4/ 19.60	33.60 4/	4/ 33.60	33.30 4/	4/ 33.30
WI	20.10	23.20	31.70	32.60	30.20	31.40
US	24.80	25.60	33.80	35.80	33.40	35.40

1/ Entire month

2/ Mid-month.

3/ State added to monthly Prices Received for Hogs beginning December 1999.

4/ State dropped from monthly Prices Received for Hogs beginning December 1999.

Sheep and Poultry: Prices Received, by States,  
November and December 1999

State	November		December	
	Sheep 1/	Lambs 1/	Turkeys 2/3/	Eggs 2/4/
	---- Dollars per Cwt ----		Dollars per Pound	Dol/Doz
AL				.430
AZ				
AR			.45	.370
CA	27.00	74.00	.46	.380
CO	31.90	74.70		
CT				.490
DE				
FL				.380
GA				.397
ID	29.00	67.00		
IN			.43	.510
IA	30.10	74.00	.35	.380
KS	26.00	74.00		
ME				.590
MD				
MI				.410
MN	25.20	74.30	.36	.340
MS				.400
MO			.45	.375
MT	29.00	82.00		
NE	30.00	72.40		
NM				
NY				.511
NC			.43	.382
OH	28.70	72.60		.500
OR	27.00	67.50		
PA			.43	.510
SC				.418
SD	31.10	86.30		
TX	37.50	76.60		.350
UT	25.00	79.00		
VA			.45	
WA				.476
WY	31.80	78.60		
US	30.20	76.30	.422	.433

1/ Entire month.

2/ Mid-month.

3/ IN, IA, MN and PA are actual liveweight prices. All other State prices are equivalent liveweight returns to producers derived from ready-to-cook (RTC) prices using the following formula: (RTC price minus processing cost) \* (dressing percentage) = liveweight equivalent price.

4/ Market (table) eggs.

Milk and Milk Cows: Prices Received, by States, November and December 1999

State	November				December				
	Fluid Grade Milk 1/ Price	Fat Test	Manufacturing Grade Milk Price	Fat Test	All Milk 2/ Price	Fat Test	All Milk 2/3/ Price	Fat Test	Milk Cows 4/ Price
AL	18.70	3.74			18.70	3.74	14.10	3.70	
AZ	13.60	3.70			13.60	3.70	11.70	3.73	
AR	18.00	3.60			18.00	3.60	13.50	3.60	
CA	13.00	3.74	12.00	4.20	12.98	3.75	11.50	3.82	
CO	15.60	3.67			15.60	3.67	14.90	3.64	
FL	18.90	3.65			18.90	3.65	14.20	3.61	
GA	18.60	3.70			18.60	3.70	13.80	3.68	
ID	11.40	3.75	10.50	3.85	11.40	3.75	10.80	3.77	
IL	14.50	3.84	12.00	3.74	14.40	3.83	12.90	3.82	
IN	16.10	3.83	11.10	3.91	15.80	3.83	12.90	3.85	
IA	13.00	3.85	10.80	3.84	12.90	3.85	12.50	3.84	
KS	14.70	3.73	10.20	3.78	14.60	3.73	11.90	3.76	
KY	17.90	3.74	9.80	3.92	17.80	3.74	13.60	3.80	
LA	18.20	3.62			18.20	3.62	15.00	3.54	
MD	16.40	3.85			16.40	3.85	15.00	3.80	
MI	16.10	3.80	9.90	3.82	16.00	3.80	12.50	3.79	
MN	12.35	3.83	10.65	3.91	12.23	3.84	11.80	3.81	
MS	18.20	3.74			18.20	3.74	14.00	3.68	
MO	15.60	3.70	11.00	3.80	15.40	3.71	14.30	3.81	
NE	13.60	3.80	12.50	3.84	13.50	3.80	12.00	3.80	
NM	14.60	3.66			14.60	3.66	11.00	3.69	
NY	15.20	3.76			15.20	3.76	12.60	3.75	
NC	19.30	3.95	10.90	4.13	19.20	3.95	14.50	3.93	
ND	12.20	3.79	10.80	3.90	11.70	3.83	11.40	3.81	
OH	16.60	3.86	11.70	3.89	16.30	3.86	12.90	3.88	
OK	18.00	3.68			18.00	3.68	15.00	3.71	
OR	14.30	3.74	12.50	4.16	14.30	3.74	12.00	3.78	
PA	16.80	3.80	9.80	3.85	16.70	3.80	12.00	3.80	
TN	18.00	3.75	9.30	3.86	17.90	3.75	15.60	3.77	
TX	15.80	3.71			15.80	3.71	14.00	3.71	
UT	14.00	3.72	10.60	3.77	13.80	3.72	13.60	3.77	
VT	16.20	3.81			16.20	3.81	13.90	3.78	
VA	17.30	3.64	12.00	4.32	17.20	3.65	13.30	3.67	
WA	14.30	3.74			14.30	3.74	11.60	3.78	
WI	12.63	3.85	11.17	4.00	12.54	3.86	12.40	3.85	
US	14.40	3.77	11.00	3.93	14.30	3.78	12.40	3.79	

- 1/ Including milk diverted to manufacturing.
- 2/ Before deductions for hauling. Includes quality, quantity, and other premiums. Excludes hauling subsidies.
- 3/ Preliminary.
- 4/ Animals sold for dairy herd replacement only. Prices published Jan, Apr, Jul and Oct.

Parity Price Equivalent for Manufacturing Milk 1/: United States, November and December 1999, with Comparisons

Item	Dec 1998	Nov 1999	Dec 1999
Parity Equivalent.....Dol per Cwt	26.45	28.06	28.06
Average Price F.O.B.....Dol per Cwt	17.40	11.00	2/10.70
Average Fat Test of Milk..Percent	3.93	3.93	2/3.92

- 1/ The parity price equivalent during 1999 is 91.1 percent of the parity price of all milk sold to plants, compared with 90.9 percent in 1998. For additional details, see January 1999 issue of "Agricultural Prices".
- 2/ Preliminary.

United States Parity Prices for Farm Products and Average Prices Received as Percent of Parity Prices Based on Data for December 1999, with Comparisons 1/

Commodity and Unit	: Adjusted: : : Base : : Prices :	Parity Prices Based on Data for			: Prices as Percent : of Parity			
		: Dec : : 1998 :	: Nov : : 1999 :	: Dec : : 1999 :	: Dec : : 1998 :	: Nov : : 1999 :	: Dec : : 1999 :	
		----- Dollars -----			----- Percents -----			
Basic Commodities	:							
All Wheat, Bu	:	.626	9.57	9.78	9.78	30	27	25
Rice, Cwt	:	1.78	26.70	27.80	27.80	34	22	22
Corn, Bu	:	.428	6.50	6.69	6.69	31	25	26
Cotton, Lb	:							
American Upland	:	.113	1.70	1.77	1.77	36	25	25
Extra Long Staple	:	.145	2.23	2.26	2.27			
Peanuts, Lb	:	.0425	.639	.664	.664	43	36	32
Tobacco, By Type, Lb	:							
Flue-Cured 11-14	:	.252	3.77	3.94	3.94		46	
VA Fire-Cured, 21	:	.249	3.68	3.89	3.89	53	49	47
KY-TN Fire-Cured, 22-23	:	.313	4.71	4.89	4.89			
Burley, 31	:	.266	3.97	4.15	4.16	48	46	46
Maryland, 32	:	.231	3.29	3.61	3.61			
Dark Air-Cured, 35-36	:	.266	3.95	4.15	4.16	51		53
Sun-Cured, 37	:	.226	3.30	3.53	3.53	52		
PA Seedleaf, 41	:	.193	2.82	3.01	3.02			
Cigar Filler & Binder,	:							
42-44, 54-55	:	.217	3.23	3.39	3.39			
Puerto Rican Filler, 46	:	.173	2.62	2.70	2.70			
Cigar Binder, 51-52	:	.552	7.41	8.62	8.63			
	:							
Designated Nonbasic	:							
All Milk, Sold to	:							
Plants, Per Cwt	:	1.97	29.10	30.80	30.80	2/61	2/44	2/39
Honey, Extracted, Lb	:	3/.0878	1.30	1.37	1.37			
	:							
Wool and Mohair	:							
Wool, Lb	:	.125	4.09	1.95	1.95			
Mohair, Lb	:	.231	10.90	3.61	3.61			
	:							
Other Nonbasic	:							
Barley, Bu	:	.383	5.85	5.98	5.99	35	36	36
Cottonseed, Ton	:	15.90	238.00	248.00	249.00	58	38	40
Dry Edible Beans, Cwt	:	3.26	49.80	50.90	51.00	40	34	31
Flaxseed, Bu	:	.780	11.80	12.20	12.20	42	30	29
Oats, Bu	:	.224	3.59	3.50	3.50	33	32	32
Potatoes, Cwt	:	.860	12.70	13.40	13.40	42	41	42
Rye, Bu	:	.326	4.92	5.09	5.10			
Sorghum Grain, Cwt	:	.674	10.20	10.50	10.50	29	25	25
Soybeans, Bu	:	.905	14.00	14.10	14.10	38	32	30
Sweetpotatoes, Cwt	:	2.04	24.40	31.90	31.90			
Apples, Fresh, Lb 5/	:	.0290	.432	.453	.453	34	51	52
Citrus (equiv on-tree), box:	:							
Grapefruit	:	.524	10.70	8.18	8.19	26	64	45
Lemons	:	1.20	17.40	18.70	18.80	43	67	50
Limes (FL)	:	1.17	18.30	18.30	18.30	107		
Oranges	:	.747	13.60	11.70	11.70	37	37	29
Tangerines	:	1.79	28.80	28.00	28.00	39	33	25
Temples (FL)	:	.635	11.40	9.92	9.93			
Beef Cattle, Cwt	:	9.80	150.00	153.00	153.00	38	43	43
Calves, Cwt	:	12.50	191.00	195.00	195.00	42	48	50
Hogs, Cwt	:	6.58	102.00	103.00	103.00	14	32	34
Lambs, Cwt	:	10.10	153.00	158.00	158.00	42	48	
Sheep, Cwt	:	4.21	62.40	65.80	65.80	48	46	
Eggs, Doz	:	.0964	1.43	1.51	1.51	2/49	2/44	2/37
Turkeys, Live, Lb	:	.0576	.871	.900	.900	46	51	47

--continued

Parity Prices Based on Data for December 1999, United States 1/ (continued)

Other Nonbasic Commodities	Adj Base Prices	Parity Prices	Other Nonbasic Commodities	Adj Base Prices	Parity Prices
	Dollars			Dollars	
Field Crops and Misc Commodities			Noncitrus Fruit		
Hops, Lb	.239	3.74	Peaches, cont.		
Spearmint Oil, Lb	1.85	28.90	Processing 6/		
Tobacco, Lb			Excl Dried		
Type 61	2.78	43.50	Clingstone, CA, Ton	31.60	494.00
Noncitrus Fruit			Pears, Ton		
Apples, Ton 7/			Fresh 5/	51.70	808.00
Processing	19.80	309.00	Dried, CA 7/	148.00	2310.00
Apricots, Ton			Plums, CA, Ton		
Fresh 8/	122.00	1910.00	Fresh, Equiv on-Tree	53.70	839.00
Dried, CA	293.00	4580.00	Prunes, Dried, CA, Ton 7/	135.00	2110.00
Avocados, Ton 8/	192.00	3000.00	Prunes and Plums, Excl CA, Ton		
Cherries			Fresh 10/	55.30	864.00
Sweet, Ton	157.00	2450.00	Processing 7/		
Tart, Lb	.0265	.414	Excl Dried	22.40	350.00
Cranberry, Bbl 6/	7.55	118.00	Tree Nuts 11/		
Dates, CA, Ton 8/	139.00	2170.00	Almonds, Lb	.227	3.55
Grapes, Ton			Hazelnuts, Ton	117.00	1830.00
Raisin Variety	142.00	2220.00	Pistachio, Lb	.164	2.56
Other Dried	58.40	913.00	Walnuts, Ton	179.00	2800.00
Kiwifruit, Ton	72.60	1130.00	Vegetables, Cwt 12/		
Nectarines			Fresh		
Fresh, Calif, Ton 8/	63.00	985.00	Carrots 9/	1.78	27.80
Olives, CA			Cauliflower 9/	4.31	67.40
Canning, Ton 6/	93.20	1460.00	Celery 9/	1.85	28.90
Papayas (HI) Lb	.0479	.749	Honeydew Melons	2.52	39.40
Peaches			Lettuce	2.15	33.60
Fresh, Lb 5/	.0384	.600	Onions 9/	1.70	26.60
Dried, CA, Ton	119.00	1860.00	Tomatoes	4.47	69.90

- 1/ 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 January "Agricultural Prices" for details on adjusted base price and parity price computations.
- 2/ Seasonally adjusted price as percentage of parity price.
- 3/ Wholesale extracted. Adjusted base price derived from state annual average prices weighted by production. For 1982 through 1985 the national averages are the support prices.
- 4/ Average local market price, excluding incentive payments.
- 5/ Equivalent packinghouse-door returns for CA, NY (apples only), OR (except peaches), and WA. Price at point of first sale for other states.
- 6/ Equivalent returns for bulk fruit at first delivery point.
- 7/ Equivalent returns at processing plant door.
- 8/ Equivalent returns at packinghouse door.
- 9/ Includes some processing.
- 10/ Based on "as sold" prices for fresh fruit in all states.
- 11/ Prices in-shell basis except almonds which are shelled basis.
- 12/ F.O.B. shipping point prices.

## 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 2600 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 U.S. 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 marketings. 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 U.S. price based on expanded marketings. Recommendations are prepared by the State Statistical 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:** For most items, the current month's price represents a 3-5 day period around the mid-month. Previous month's prices represent actual dollars received for quantities sold during the entire month. Revisions are published in monthly issues of "**Agricultural Prices**".

**Reliability:** U.S. 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 U.S. relative sampling errors at around five percent. Any nonsampling 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 nonsampling errors.



## Prices Paid by Farmers

The December Index of Prices Paid for Commodities and Services, Interest, Taxes, and Farm Wage Rates (PPITW) was 117 (1990-92=100), the same as November 1999 but 2.6 percent above December 1998.

**Production Index:** The December farm production, goods, and services index, at 114, was up 0.9 percent from last month and 3.6 percent above last year. Higher prices in December for feeder cattle, feeder pigs, diesel fuel, and feed grains more than offset lower prices for hay and forages, mixed fertilizers, insecticides, and feed supplements.

**Feed:** The feed index, at 99, was the same as November but 3.9 percent below last December. Since November, lower prices for hay and forages, feed concentrates, and feed supplements offset higher prices for feed grains and complete feeds.

**Livestock and Poultry:** The index for livestock and poultry purchases, at 110, was 4.8 percent higher than last month and 29 percent above last year. Since November, prices were higher for both feeder cattle and feeder pigs. The December feeder cattle price of \$91.90 per cwt was \$3.60 above the November price.

**Fertilizer:** The fertilizer index, at 104, was unchanged from November but 2.8 percent less than December a year ago. Since November, prices were slightly lower for mixed fertilizers, nitrogen fertilizers, and potash and phosphate materials.

**Agricultural Chemicals:** The chemical index, at 122, was down 0.8 percent from last month and the same as December last year. Prices were lower in December for insecticides.

**Fuels:** The fuels index, at 121, was up 1.7 percent from a month earlier and 78 percent above December 1998. Compared to last month, prices were higher for diesel fuel, gasoline, and LP gas.

**Farm Machinery:** The December farm machinery index, at 133, was unchanged from November but 0.7 percent below last December. Since November, prices were slightly higher for other machinery and self-propelled machinery.

**Consumer Price Index:** The Consumer Price Index for All Urban Consumers (CPI-U) rose 0.1 percent in November, before seasonal adjustment, to a level of 168.3 (1982-84=100). For the 12-month period ending in November, the overall index has increased 2.6 percent.

Index Numbers of Prices Paid by Farmers and Related Parity Ratios  
United States, December 1999 With Comparisons

Indexes and Ratios	1910-14 = 100			1990-92 = 100		
	1998		1999	1998		1999
	Dec	Nov	Dec	Dec	Nov	Dec
Prices Paid by Farmers for Commodities & Services, Interest, Taxes, & Wage Rates (PPITW)	1514	*1558	1563	114	117	117
Production	1067	*1101	1106	110	*113	114
Feed	502	*484	483	103	*99	99
Livestock and Poultry	1092	*1339	1405	85	105	110
Seeds	1216	1196	1196	123	121	121
Fertilizer	390	*383	379	107	*104	104
Agricultural Chemicals	754	*763	757	122	*123	122
Fuels	522	*917	934	68	*119	121
Supplies & Repairs	850	*865	865	120	*122	122
Autos & Trucks	3173	*3179	3198	119	*120	120
Farm Machinery	3352	3324	3329	134	133	133
Building Material	1602	*1632	1633	118	120	120
Farm Services & Rent	1386	*1381	1381			
Farm Services				114	*115	115
Rent				120	117	117
Interest 1/	2739	2757	2757	109	110	110
Taxes 2/	3185	3214	3214	119	120	120
Wage Rates	4911	5059	5059	131	135	135
Production, Interest, Taxes, & Wage Rates (PITW)	1505	*1550	1555	112	*115	116
Family Living-CPI 3/	1557	1598	1598	122	125	125
Ratio (Received\Paid)				86	79	78
Parity Ratio 4/	41	38	37			
Parity Ratio Adjusted 5/ PPITW Adjusted for	44	40	39			
Productivity 6/	1044	*1060	1061			
Crop Sector (PPITW)				117	120	120
Livestock Sector (PPITW)				110	114	115
Farm Sector (Production)				99	*104	105
Non-Farm Sector (Production)				115	118	118

\* Revised.

- 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), for the previous month converted by the USDA.
- 4/ Ratio of index of prices received to PPITW (1910-14=100).
- 5/ Based on estimated cash receipts, from marketings and government payments, the preliminary adjustment factor is 1.057 for 1999 and the revised factor is 1.065 for 1998.
- 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, December 1999 With Comparisons

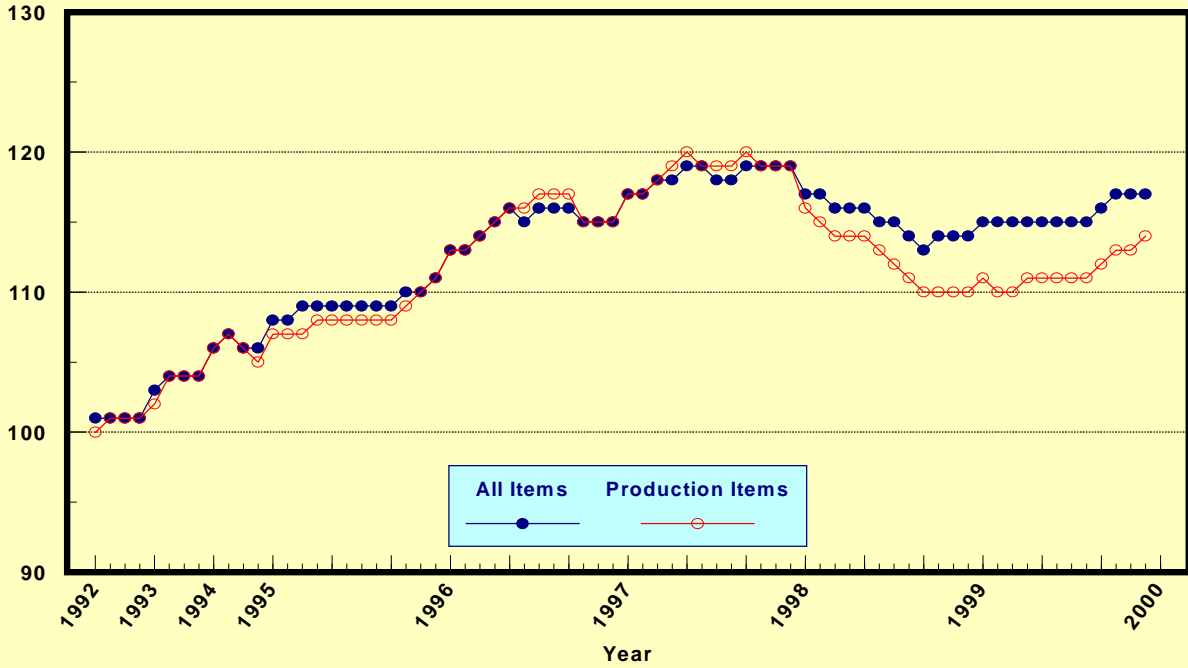
Index	Relative Weights		Input Indexes		
	5-Year Moving Average 1/		1998	1999	
	1998	1999	Dec	Nov	Dec
	----	Percent	----	(1990-92=100)	---
Production Items	67.0	67.4	110	*113	114
Feed	11.6	11.6	103	*99	99
Feed Grains	2.1	2.1	85	73	74
Complete Feeds	5.1	5.1	108	105	105
Hay/Forages	1.3	1.3	103	97	95
Concentrates	1.9	1.9	102	*104	104
Supplements	1.3	1.3	113	115	114
Livestock & Poultry	7.5	7.2	85	105	110
Feeder Cattle	5.9	5.6	85	104	109
Feeder Pigs	0.6	0.6	55	*88	111
Milk Cow Replacements	0.6	0.6	105	122	122
Poultry	0.5	0.4	110	110	110
Seeds	2.8	2.8	123	121	121
Field Crops	2.5	2.6	123	121	121
Grasses/Legumes	0.3	0.3	123	121	121
Fertilizer	4.8	4.9	107	*104	104
Mixed Fertilizer	2.1	2.1	114	*112	110
Nitrogen	2.0	2.0	95	*96	95
Potash & Phosphate	0.7	0.7	116	*108	108
Agricultural Chemicals	3.7	3.8	122	*123	122
Herbicides	2.4	2.4	117	*118	118
Insecticides	0.9	0.9	138	*140	136
Fungicides/Other	0.5	0.5	119	121	121
Fuels	2.7	2.7	68	*119	121
Diesel	1.4	1.4	63	*112	114
Gasoline	1.0	1.0	67	*111	112
LP Gas	0.3	0.3	92	*177	181
Farm Supplies & Repairs	5.4	5.6	120	*122	122
Supplies	1.8	1.9	115	*118	118
Repairs	3.6	3.7	122	124	124
Autos & Trucks	1.4	1.4	119	*120	120
Autos	0.2	0.2	113	112	112
Trucks	1.2	1.3	120	121	121
Farm Machinery	4.1	4.0	134	133	133
Tractors	0.9	0.9	132	*132	132
Self-Propelled	1.7	1.6	133	129	129
Other Machinery	1.6	1.5	135	136	137
Building Materials	2.7	2.8	118	120	120
Farm Services	12.2	12.4	114	*115	115
Custom Rates	1.3	1.3	117	115	115
Other Services	10.9	11.1	114	*115	115
Rent	8.1	8.2	120	117	117
Cash	3.7	3.7	135	135	135
Share	4.5	4.5	107	103	103
Interest	5.0	4.5	109	110	110
Taxes	3.2	3.1	119	120	120
Wage Rates	6.9	6.9	131	135	135
Family Living-CPI	18.0	17.7	122	125	125

1/ Weights may not add due to rounding.

\* Revised.

## Prices Paid by Farmers, Major Indexes US, by Quarter and Month 1/

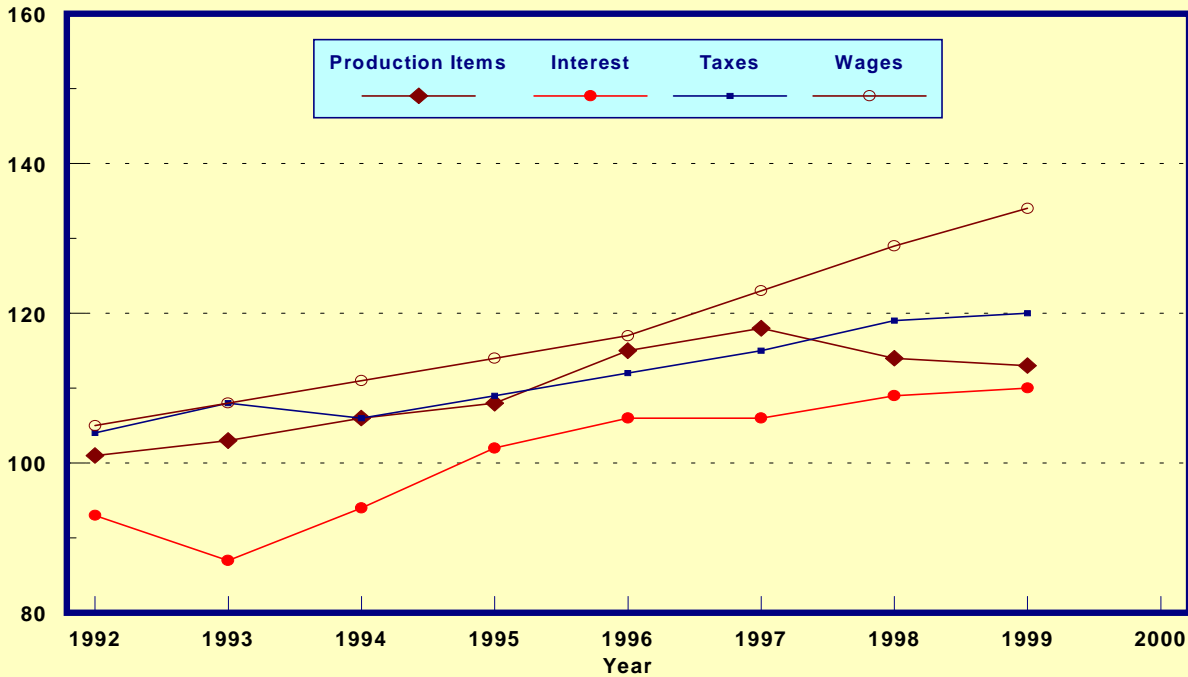
Percent (1990-92=100)



1/ Index values are monthly beginning in 1995.

## Prices Paid by Farmers, Major Indexes US, Annual Averages 1/

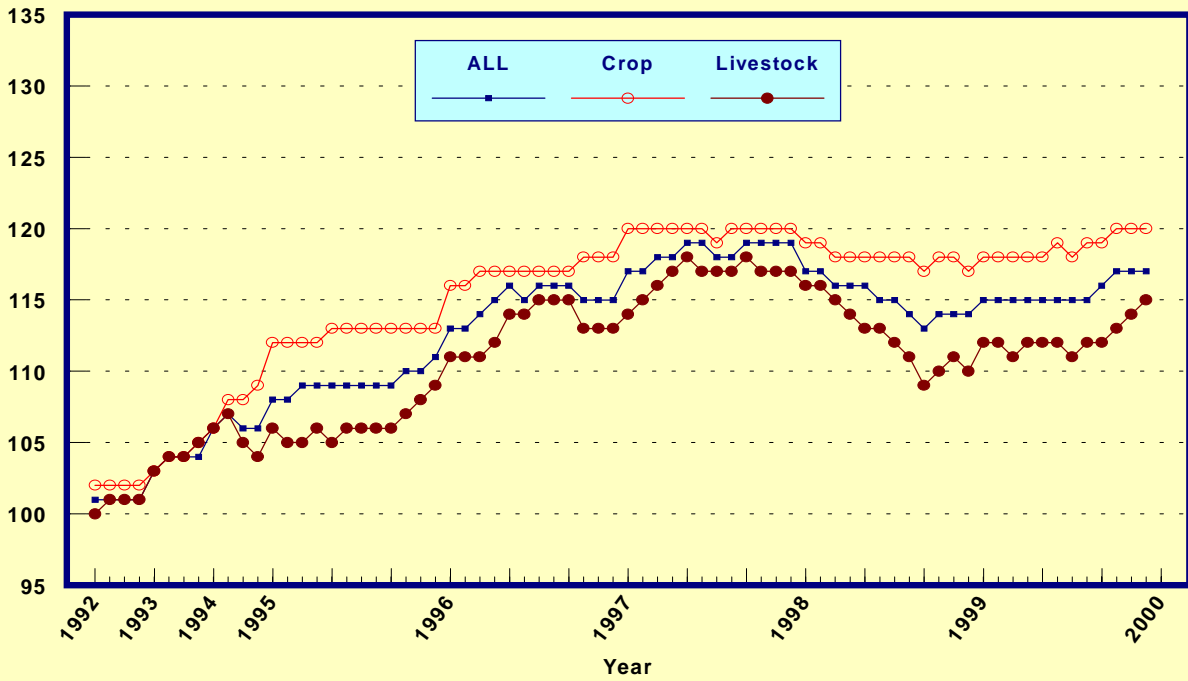
Percent (1990-92=100)



1/ Index values for 1999 are year-to-date averages.

## Prices Paid by Farmers, Indexes, All Items US, By Farm Type 1/

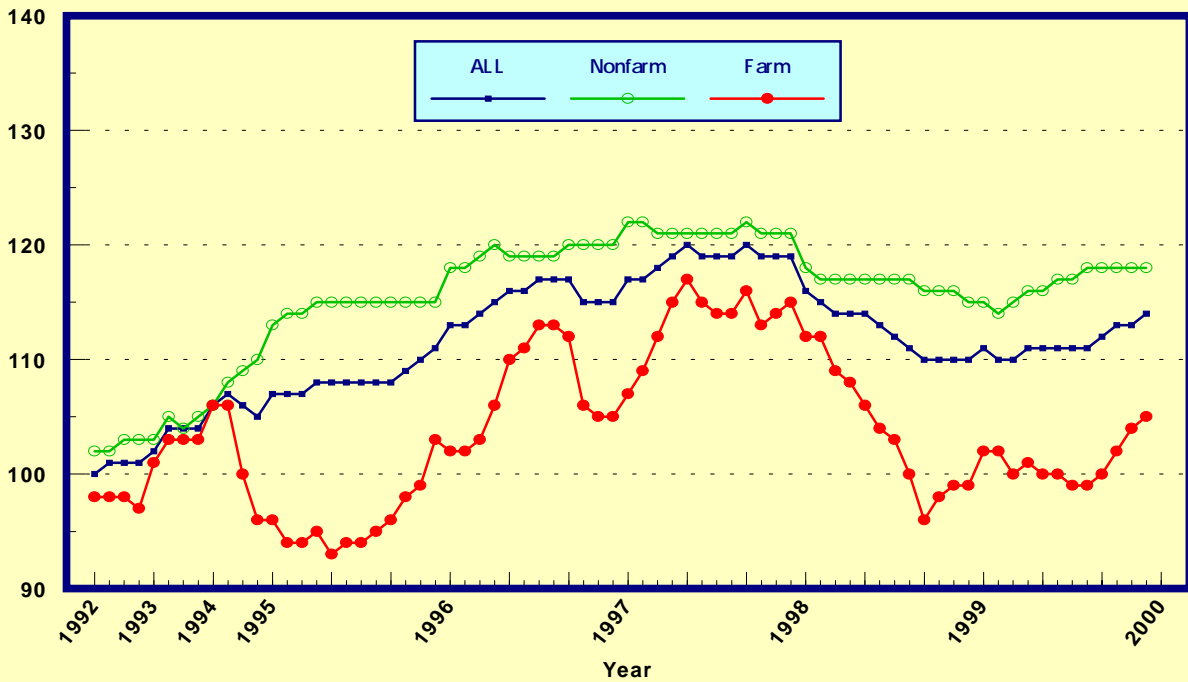
Percent (1990-92=100)



1/ Index values are monthly beginning in 1995.

## Prices Paid by Farmers, Indexes, All Production Items US, By Sector Origin 1/

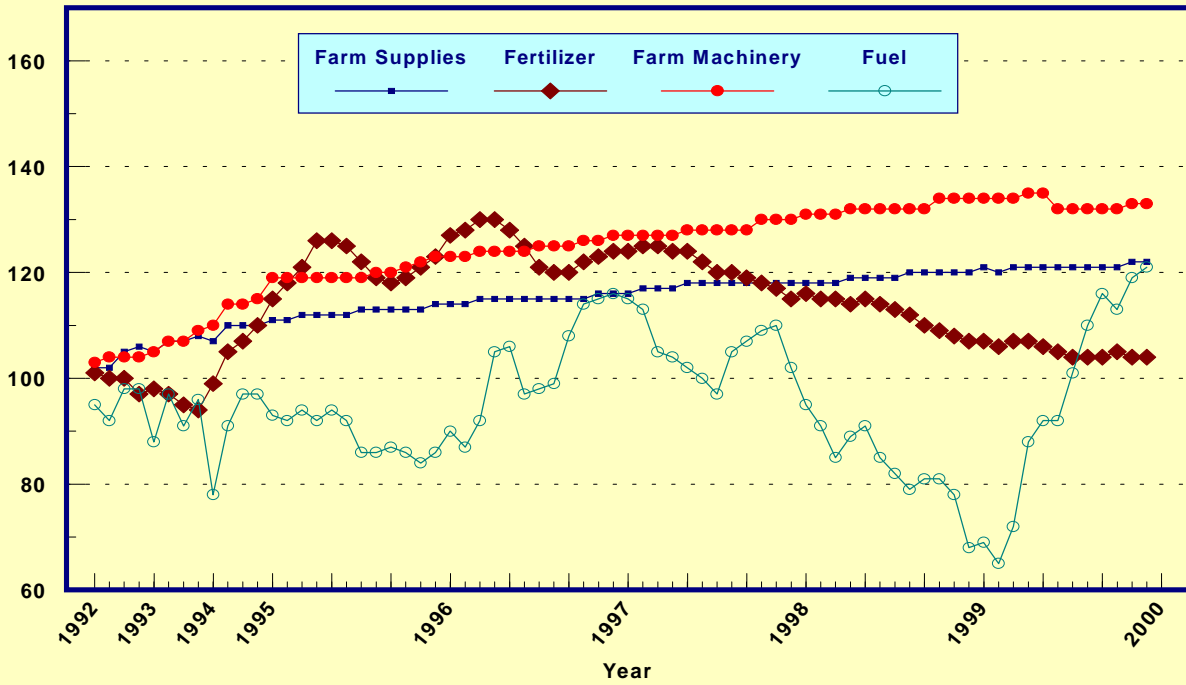
Percent (1990-92=100)



1/ Index values are monthly beginning in 1995.

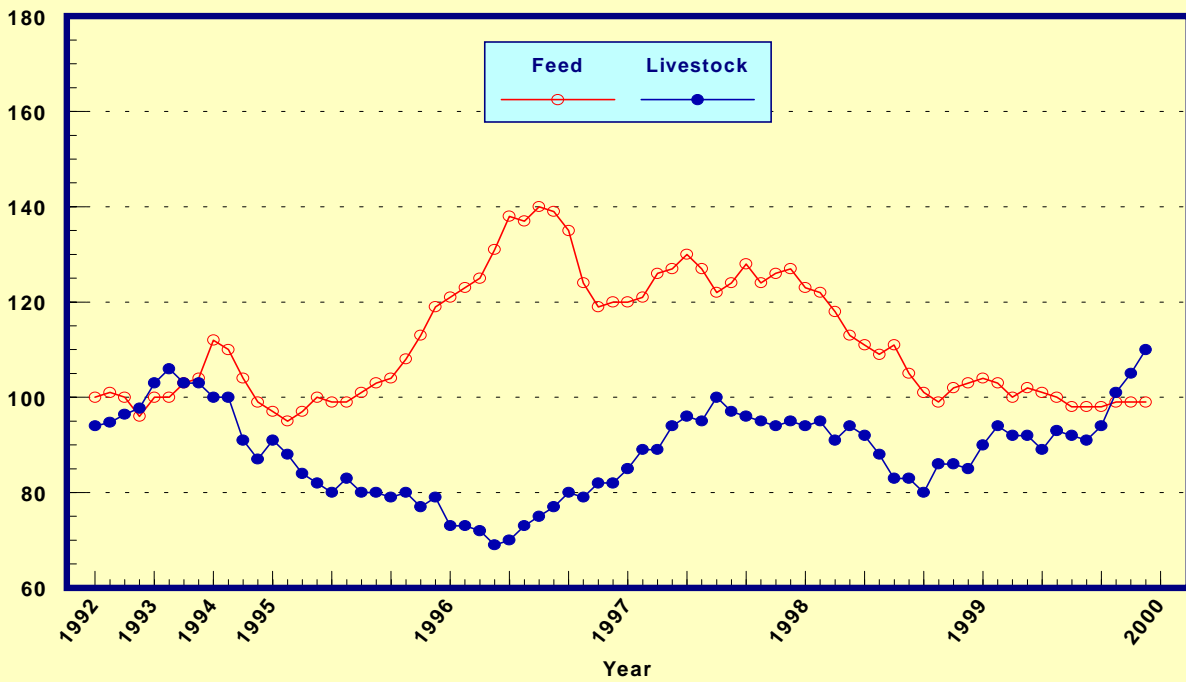
## Prices Paid by Farmers, Selected Production Indexes US, By Non-Farm Sector 1/

Percent (1990-92=100)



## Prices Paid by Farmers, Selected Production Indexes US, By Farm Sector 1/

Percent (1990-92=100)



Feed Price Ratios: United States, December 1999 with Comparisons

Feed Price Ratio 1/	1998		1999	
	Dec	Nov	Dec	Nov
Broiler-Feed: Pounds of Broiler Grower Feed equal in value to 1 pound of broiler, live weight	6.7	7.7	7.7	
Market Egg Feed: Pounds of Laying Feed equal in Value to 1 dozen eggs	12.8	11.9	10.6	
Hog-Corn: Bushels of Corn equal in value to 100 pounds of hog, live weight	*7.4	*19.6	20.6	
Milk-Feed: Pounds of 16% Mixed Dairy Feed equal in value to 1 pound of Whole Milk	*4.32	*3.84	3.42	
Steer & Heifer-Corn: Bushels of Corn equal in value to 100 pounds of Steer & Heifers, live weight	*30.2	*41.7	41.2	
Turkey-Feed: Pounds of Turkey Grower equal in value to 1 pound of Turkey, live weight	*7.6	*10.0	9.5	

1/ Effective March 1995, prices of commercial prepared feeds are based on current U.S. prices received for corn, soybeans, alfalfa hay, and all wheat.  
\* Revised.

Prices Used to Calculate Feed Price Ratios:  
United States, December 1999 with Comparisons

Commodity	Unit	1998		1999	
		Dec	Nov	Dec	Nov
Broilers, Live	Lb	0.390	0.374	0.368	
Eggs, Market	Doz	0.629	0.490	0.433	
Hogs, All	Cwt	14.70	*33.40	35.40	
Milk, All	Cwt	18.00	*14.30	12.40	
Steers and Heifers	Cwt	60.30	*70.90	70.80	
Turkeys, Live	Lb	0.403	0.456	0.422	
Corn	Bu	*2.00	*1.70	1.72	
Hay, Alfalfa, Baled	Ton	79.70	77.30	72.70	
Soybeans	Bu	5.37	*4.45	4.29	
Wheat, All	Bu	2.86	*2.66	2.43	

\* Revised.

Feeder Livestock: Prices Paid, United States  
December 1999 with Comparisons

Commodity	Unit	1998		1999	
		Dec	Nov	Dec	Nov
					Dollars
Feeders and Stockers Cattle and Calves	Cwt	71.70	88.30	91.90	

Feed: Annual Average Prices Paid, United States, 1994-95 and April 1996-99

Item	Unit	1994	1995	1996	1997	1998	1999
Dollars							
Alfalfa Meal	Cwt	12.00	11.80	12.30	13.60	13.80	12.80
Alfalfa Pellets	Cwt	12.20	12.00	12.40	13.40	13.60	12.80
Bran	Cwt	11.30	11.20	13.00	14.20	13.80	13.40
Beef Cattle Conc. 32-36% Protein	Ton	275	251	316	325	292	258
Corn Meal	Cwt	8.03	7.86	10.60	9.30	8.57	7.54
Cottonseed Meal, 41%	Cwt	15.70	14.20	16.80	17.20	16.00	14.60
Dairy Feed							
14% Protein	Ton	171	162	216	202	186	167
16% Protein	Ton	187	174	225	215	194	180
18% Protein	Ton	197	183	238	230	206	181
20% Protein	Ton	198	186	239	238	207	186
32% Protein Conc.	Ton	304	276	333	362	302	272
Hog Feed							
14-18% Protein	Ton	219	210	252	252	227	200
38-42% Protein Conc.	Ton	317	292	351	389	317	280
Molasses, Liquid	Cwt	11.00	11.30	11.80	12.20	11.90	12.00
Poultry Feed							
Broiler Grower	Ton	224	195	265	270	257	242
Chick Starter	Ton	234	212	280	284	268	242
Laying Feed	Ton	215	195	258	251	224	208
Turkey Grower	Ton	257	242	312	305	278	261
Soybean Meal, 44%	Cwt	14.10	12.40	15.60	17.70	14.30	12.20
Stock Salt	50 Lb	3.74	3.76	3.82	3.92	3.91	3.99
Trace Mineral Blocks 2/	50 Lb	4.78	4.85	4.90	5.05	4.98	4.98

Index (1990-92=100)							
Feed Prices							
Paid Index 3/	Pct	106	103	129	125	110	100

1/ April survey only, quarterly surveys discontinued February 1995.

2/ Survey item added April 1995.

3/ Annual Average for all years.

Feeder Livestock : Annual Average Prices Paid, United States, 1994-1999

Item	Unit	1994	1995	1996	1997	1998	1999
Dollars							
Broiler Chicks	100	19.30	18.60	18.60	19.70	20.40	1/
Egg-Type Chicks	100	49.70	49.80	50.20	53.10	54.50	1/
Feeders and Stockers							
Cattle and Calves	Cwt	80.40	67.70	59.40	*77.10	74.20	79.10
Feeder Pigs	Cwt	66.90	64.00	77.10	99.80	*59.30	76.90
Turkey Poults	Each	1.06	1.06	1.10	1.08	1.15	1/
Index (1990=92=100)							
Livestock and Poultry							
Prices Paid Index	Pct	94	82	75	94	88	95

1/ Annual average data are published in April 2000.

\* Revised.



\*\*\*\*\*  
 \* The data presented in the following tables are calculated and published \*  
 \* for use by the Forest Service, USDA and the Bureau of Land Management, \*  
 \* USDI in computing Public Land Grazing Fees. \*  
 \*\*\*\*\*

1999 Prices Paid Index for Beef Cattle Production (1964-68=100) 1/: 516

1/ The Index of Prices Paid by Farmers and Ranchers for Beef Cattle Production input items is for the period of November 1998 through October 1999. The components of this index include the production indexes of Fuels & Energy, Farm & Motor Supplies, Building & Fencing Materials, Interest, Farm Wage Rates, and Farm Services. These components are weighted to the overall index value by their importance in the cost of producing beef cattle, the weights are unchanged from a year earlier.

Cattle: Prices Received, Selected States, 1999 1/

State	:	Beef Cattle
		Dollars Per Cwt
9 Great Plains States 2/	:	64.20
11 Western States 3/	:	61.89
16 Western States 4/	:	63.70
17 Western States 5/	:	63.64

- 1/ Average for November 1998 through October 1999, except NV, UT, and WA which are marketing year averages.  
 2/ CO, KS, NE, NM, ND, OK, SD, TX, and WY.  
 3/ AZ, CA, CO, ID, MT, NM, NV, OR, UT, WA, AND WY.  
 4/ Eleven Western States plus KS, NE, ND, OK, and SD.  
 5/ Sixteen Western States plus TX.

## Prices Paid by Farmers

**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 April to represent all production input items purchased. The survey reference period for most items is the 5 business days centered around 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 April Paid Survey is summarized as a nonprobability survey. Average prices reported are aggregated to the region and U.S. level using weights available from expenditure data and other administrative sources. Price recommendations are prepared by the State Statistical 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 U.S. 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 in April when separate prices paid surveys are conducted, in lieu of BLS indexes, by the USDA to measure price change.

**Reliability:** Current methods of summarization in April are not designed directly to calculate sampling errors. However, analytical measures approximate the U.S. relative sampling errors for major items around 10 percent. Any nonsampling 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 nonsampling errors.

**Program Change:** Effective January 1, 1995, the National Agricultural Statistics Service updated the weights and changed the construction of its prices paid and received by farmers indexes. A Federal Register Notice dated October 28, 1994 discussed these program modifications.

A 1990-92 reference and base period replaced the 1977 reference and 1971-73 base weight period. Five-year moving average weights replaced the current fixed 1971-73 base period weights. The 1910-14=100 price indexes, required by statute for computing parity prices, were linked forward based on the changes in the new 1990-92=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 (adjusted for seasonal marketing patterns for the prices received indexes).

**Periodic Features of the Monthly Price Reports for 1999**

Prices Received by Farmers

Month Published

A. Annual or Marketing Year Average Prices:

Barley, by State and U.S., 1997 and 1998 .....	Aug
Cattle, by State and U.S., 1997 and 1998 .....	Feb
Chickens, by State and U.S., 1997 and 1998 .....	Apr
Citrus Crops:	
Grapefruit, 1996-97, 1997-98 and 1998-99 .....	Sep
Lemons, 1996-97, 1997-98, and 1998-99 .....	Sep
Limes, Florida, 1997-98, and 1998-99 Preliminary .....	Jan
Limes, 1996-97, 1997-98, and 1998-99 .....	Sep
Oranges, 1996-97, 1997-98, and 1998-99 .....	Sep
Tangelos, 1996-97, 1997-98, and 1998-99 .....	Sep
Tangerines, 1996-97, 1997-98, and 1998-99 .....	Sep
Temples, 1996-97, 1997-98, and 1998-99 .....	Sep
Corn, by State and U.S., 1997 and 1998 .....	Nov
Cotton, by Type, State and U.S., 1997 and 1998 .....	Oct
Cottonseed, by State, 1998-99 .....	Oct
Cranberries, by State and U.S., 1997 and 1998 .....	Aug
Dry Beans, by State and U.S., 1997 and 1998 .....	Nov
Eggs, by State and U.S., 1997 and 1998 .....	Apr
Flaxseed, by State and U.S., 1997 and 1998 .....	Nov
Hay, by State and U.S., 1997 and 1998 .....	Aug
Hogs, by State and U.S., 1997 and 1998 .....	Feb
Milk Retail, by State, 1997 and 1998 and U.S., 1993-98 ...	Apr
Milk, Sold to Plants, by Grade, Price and Fat Test	
by State, 1997 and 1998 and U.S., 1993-98 .....	Apr
Mohair, by State and U.S., 1997 and 1998 .....	Mar
Non-citrus Fruit, 1996-98, by State .....	Feb
Peanuts, by State and U.S., 1997 and 1998 .....	Nov
Potatoes, by State and U.S.,	
Preliminary 1998 .....	Feb
Revised 1998 .....	Sep
Rye, by State and U.S., 1997 and 1998 .....	Aug
Sheep, by State and U.S., 1997 and 1998 .....	Feb
Sorghum, by State and U.S., 1997 and 1998 .....	Nov
Soybeans, by State and U.S., 1997 and 1998 .....	Nov
Sunflower, by State and U.S., 1997 and 1998 .....	Nov
Sweetpotatoes, by State and U.S.,	
1997 and Preliminary 1998 .....	Jan
1997 and Revised 1998 .....	Jun
Sugar Crops, United States, 1998 .....	Jul
Tobacco, by Type, State and U.S., 1997 and 1998 .....	May
Turkeys, by State and U.S., 1997 and 1998 .....	Apr
Wheat, by Type, State and U.S., 1997 and 1998 .....	Aug
Wool, by State and U.S., 1997 and 1998 .....	Mar

B. Monthly Prices - Revised:

Apples, U.S., July 1996 - December 1998 .....	Jan
Apples, by State and U.S., July 1997 - August 1998 .....	Feb
Apples, by State and U.S., July 1997 - June 1999 .....	Jul
Barley, by State and U.S., Marketing Years,	
1997-98 and 1998-99 .....	Aug
Cattle, by State and U.S., 1997 and 1998 .....	Feb
Chickens, by State and U.S., 1997 and 1998 .....	Apr
Citrus Crops:	
Grapefruit, 1997-98 and 1998-99 .....	Sep
Lemons, 1997-98, and 1998-99 .....	Sep
Limes, 1997-98, and 1998-99 .....	Sep
Oranges, 1997-98, and 1998-99 .....	Sep
Tangelos, 1997-98, and 1998-99 .....	Sep
Tangerines, 1997-98, and 1998-99 .....	Sep
Temples, 1997-98, and 1998-99 .....	Sep

B. Monthly Prices - Revised: (continued) Month Published

Corn, by State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Nov
Cotton, by Type, State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Oct
Cottonseed, by State and U.S., Marketing Year 1998-99 ....	Oct
Dry Beans, by State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Nov
Eggs, by State and U.S., 1997 and 1998 .....	Apr
Flaxseed, by State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Nov
Grapes, U.S., May 1997 - December 1998 .....	Jan
Hay, by State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Aug
Hogs, by State and U.S., 1997 and 1998 .....	Feb
Milk, Sold to Plants, by Grade, Price and Fat Test by State, 1997 and 1998 and U.S., 1993-98 .....	Apr
Milk Cows, by Quarter, by State, 1997, and U.S., 1993-98 .....	Feb
Peaches, U.S., May 1996 - September 1998 .....	Jan
Peanuts, by State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Nov
Pears, U.S., July 1996 - December 1998 .....	Jan
Pears, U.S., July 1996 - June 1999 .....	Jul
Potatoes, by State and U.S., Preliminary 1998 .....	Feb
Revised 1998 .....	Sep
Rice, U.S., Marketing Years 1995-96, 1996-97, 1997-98 ....	Jan
Sheep, by State and U.S., 1997 and 1998 .....	Feb
Sorghum, by State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Nov
Soybeans, by State and U.S., Marketing Years, 1996-98 and 1998-99 .....	Nov
Sunflower, by State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Nov
Tobacco, by Type, State and U.S., Marketing Years, 1997-98 and 1998-99 .....	May
Turkeys, by State and U.S., 1997 and 1998 .....	Apr
Vegetable Crops, by State, 1996-98, and U.S., 1993-98 ....	Apr
Wheat, by Type, State and U.S., Marketing Years, 1997-98 and 1998-99 .....	Aug

C. Index Numbers - Revised:

Index of Prices Received by Farmers, U.S., by Month and Year, 1995 - 1998 .....	Jan, Apr, Jul, Oct
--	--------------------

D. Milk and Egg Prices, Adjusted for Seasonal Variation, Revised:

Seasonally Adjusted Prices, U.S., 1995 - 1998 .....	Apr
Seasonal Adjustment Factors, July 1999 - June 2000 .....	Jul

E. Parity Prices:

Method of Computing .....	Jan
Average Prices Used for Parity Computations, 1989-98 .....	Jan

Manufacturing Milk:

Method of Computing Parity Price Equivalent .....	Jan
Average Price Received, U.S., Jan 1998 - Dec 1998 .....	Jan

F. Five-Month U.S. Average Prices:

Rice, August - December 1998 (1998 Crop) .....	Jan
--	-----

**Periodic Features of the Monthly Price Reports for 1999**

V. Prices Paid by Farmers	Month Published
A. Indexes	
1910-14=100	
PPITW, PITW, Production Items, Component Items, Interest, Taxes and Wage Rates, Family Living, Farm and Non-Farm Origin, Crop and Livestock Sectors, Adjusted for Productivity, Ratio, Parity Ratio and Adjusted Parity Ratio	
Annual Average (1995-99) .....	Jan, Apr, Jul, Oct
By Month (1995-99) .....	Jan, Apr, Jul, Oct
U.S. Current Month, Previous Month, Previous Year	Monthly
1990-92=100	
PPITW, PITW, Production Items, Component and Subcomponent Items, Interest, Taxes and Wage Rates, Family Living Farm and Non-Farm Origin, Crop and Livestock Sectors, Adjusted for Productivity, Ratio, Parity Ratio and Adjusted Parity Ratio	
Annual Average (1995-99) .....	Jan, Apr, Jul, Oct
By Month (1995-99) .....	Jan, Apr, Jul, Oct
U.S. Current Month, Previous Month, Previous Year	Monthly
B. Prices	
Farm Machinery, U.S. ....	Apr
Feed by Regions and U.S. ....	Apr
Feed, Annual Average, (1994), April (1996-99), U.S.	Dec
Feeder Livestock, U.S. ....	Monthly
Poultry, Chicks and Poults, Annual Average .....	May
Feeder Livestock, Annual Average, U.S., 1994-1999 .....	Dec
Fertilizer Materials, Mixed Fertilizer and Agricultural Limestone, by Region and U.S. ...	Apr
Field Seeds, Retail U.S. ....	Apr
Fuels, by Regions and U.S. ....	Apr
Agricultural Chemicals, U.S. ....	Apr
C. Feed-Price Ratios	
U.S. by Months and Annual Average, Jan 1996 - May 1999	May
U.S. Current Month, Previous Month, Previous Year	Monthly
D. Prices Paid Program	
Prices Paid Survey Months, Month Published and Geographic Levels of Estimates .....	Jan
Prices Paid Regions, and States Included .....	Jan
E. Grazing Fee Rates	
Private Non-Irrigated Grazing Fee Rates by State, and Region. (Data for 1998-99 will be published in January 1999)	Jan
Prices Paid Index for Beef Cattle Production (1964-68=100)	Dec
Other Data Used to Compute Public Lands Grazing Fee Rates	Dec
Other Hay Prices Received, Selected Eastern Regions	Feb

## Index

### Prices Received

U.S. Prices and Indexes	Page		Page
Narrative.....	A-2	Cows, Beef.....	A-18
Price Indexes.....	A-3	Cows, Milk.....	A-21
Prices Received		Eggs.....	A-20
U.S. Summary.....	A-6-7	Flaxseed.....	A-14
Selected Commodities...	A-12	Fruit, Citrus.....	A-16
Upland Cotton and Rice		Hay.....	A-15
Prices and Marketings..	A-15	All Hogs.....	A-19
Parity Prices.....	A-22-23	Lambs.....	A-20
Reliability Statement....	A-24	Milk.....	A-21
		Oats.....	A-13
<b>Monthly State Prices</b>		Peanuts.....	A-14
Apples.....	A-15	Potatoes.....	A-17
Barley.....	A-13	Sheep.....	A-20
Barrows and Gilts.....	A-19	Sorghum, Grain.....	A-13
Beans, Dry Edible.....	A-14	Soybeans.....	A-13
Beef Cattle.....	A-18	Sows.....	A-19
Calves.....	A-18	Steers and Heifers....	A-18
Corn.....	A-13	Sunflower.....	A-14
Cotton.....	A-15	Tobacco.....	A-14
Cottonseed.....	A-15	Turkeys.....	A-20
		Wheat.....	A-12

### Special Features

<b>Periodic Features</b> of the Monthly Price Reports for 1999 .....	B-11-12
--	---------

Index

Prices Paid

	Page
Narrative . . . . .	B-1
Indexes and Parity Ratios . . . . .	B-2-3
Charts . . . . .	B-4-6
Feed Price Ratios . . . . .	B-7
Commodity Prices Used in Feed Price Ratios . . . . .	B-7
Reliability Statement . . . . .	B-10

**U.S. Average Prices:**

Feeder Livestock . . . . .	B-7
----------------------------	-----

**Special Features**

Feed: Annual Average Price, U.S.1994, April 96-99 . . . . .	B-8
Feeder Livestock: Annual Averages, U.S., 1994-99 . . . . .	B-8
Prices Paid Index for Beef Cattle Production . . . . .	B-9
Cattle: Prices Received, Selected States . . . . .	B-9
<b>Periodic Features</b> of the Monthly Price Reports for 1999 . . . . .	B-13

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