

FOR DATA ONLY: (202) 606-7828 USDL 99-163
FOR TECHNICAL INFORMATION: TRANSMISSION OF MATERIAL IN
(202) 606-7705 THIS RELEASE IS EMBARGOED
MEDIA CONTACT: (202) 606-5902 UNTIL 8:30 A.M. (E.D.T), FRIDAY,
<http://stats.bls.gov/ppihome.htm> JUNE 11, 1999

Producer Price Indexes -- May 1999

The Producer Price Index for Finished Goods increased 0.2 percent in May, seasonally adjusted, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. This rise followed a 0.5-percent advance in April and a 0.2-percent increase in March. The index for finished goods other than foods and energy edged up 0.1 percent, the same as a month earlier. Prices received by producers of intermediate goods advanced 0.2 percent, after increasing 0.6 percent in the previous month. The crude goods index rose 5.5 percent, following a 1.3-percent rise in April. (See table A.)

Table A. Monthly and annual percent changes in selected stage-of-processing price indexes, seasonally adjusted

Finish ed goods							
				Except	Change in finished goods from 12 months ago (unadj.)	Inter- mediate goods	Crude goods
Month	Total	Foods	Energy	foods and energy			
1998							
May	-0.1	-0.5	0.4	0.1	-0.8	-0.1	-0.6
June	-.2	-.1	-.8	-.1	-.7	-.3	-2.7
July	.2	.5	-.1	.2	-.2	0	.1
Aug.	-.3	-.3	-1.9	0	-.8	-.3	-4.2

Sept.	.2	.2	-.4	.3	-.9	-.3	-1.8
Oct.	.3	.4	.8	.1	-.7	-.2	2.5
Nov.	-.2	-.4	-1.3	.1	-.6	-.2	-.1
Dec.	.5	0	-1.8	1.0	0	-.7	-3.6

1999							
Jan.	r .3	1.5	r .8	r -.2	r .8	r 0	r .6
Feb.	r -.3	-1.4	r -.4	r .1	.5	r -.2	r -2.5
Mar.	.2	.4	1.2	0	.8	.3	1.0
Apr.	.5	-.9	5.1	.1	1.1	.6	1.3
May	.2	.5	0	.1	1.4	.2	5.5

r=revised. Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for January 1999 have been revised to reflect the availability of late reports and corrections by respondents.

The slower rate of increase in the index for finished goods can be traced primarily to prices for finished energy goods, which showed no change in May after increasing 5.1 percent in April. By contrast, prices for finished consumer foods turned up, following a decline in the prior month. As in April, the index for finished consumer goods other than foods and energy showed no change in May. Capital equipment prices moved up 0.2 percent, after showing no change a month ago.

Before seasonal adjustment, the Producer Price Index for Finished Goods increased 0.5 percent in May to stand at 132.4 (1982=100). From May 1998 through May 1999, the Finished Goods Price Index advanced 1.4 percent. During this same period, prices for finished goods other than foods and energy increased 1.7 percent, the index for finished energy goods rose 1.3 percent, and prices for finished consumer foods increased 0.6 percent. Prices received by producers of intermediate goods declined 1.1 percent for the 12 months ended in May, and the index for crude goods fell 4.4 percent during the same period.

Finished goods

Prices for finished energy goods showed no change in May, after advancing 5.1 percent in April. The gasoline index fell 2.7 percent, following a record 29.1-percent rise in the previous month. Price increases for home heating oil slowed from 14.3 percent in April to 2.5 percent in May. The index for residential electric power fell more than in April. Conversely, liquefied petroleum gas prices rose 19.6 percent, after showing no change in the prior month. Prices for residential natural gas turned up, after falling a month earlier.

Table B. Monthly and annual percent changes in selected price indexes for intermediate goods and crude goods, seasonally adjusted

Intermediate goods					Crude goods			
Change in intermediate goods from 12 months ago (unadj.)					Change in crude goods from 12 months ago (unadj.)			
Month	Foods	Energy	Excluding foods and energy		Foods	Energy	Excluding foods and energy	
1998								
May	0.3	0.2	-0.1	-1.5	-1.5	0.0	0.1	-9.0
June	-.6	-1.1	-.1	-1.8	.4	-8.0	-.4	-8.9
July	.4	0	-.1	-1.6	-3.4	6.0	-1.5	-8.4
Aug.	-.4	-1.5	-.1	-2.1	-1.1	-9.0	-2.8	-12.3
Sept.	-.9	-.5	-.3	-2.5	-.9	-3.6	-1.2	-15.1
Oct.	-.4	1.0	-.3	-2.5	3.2	5.5	-3.0	-16.6
Nov.	.8	-1.1	-.2	-2.9	-.6	2.0	-2.2	-18.4
Dec.	-.6	-3.5	-.2	-3.3	-4.3	-4.0	-1.7	-16.7
1999								
Jan.	r .6	r .8	r -.2	r -2.7	r 4.9	r -5.0	r .2	r -11.4
Feb.	r -1.8	r -.4	r -.1	-2.7	r -2.4	r -5.2	r 1.0	-12.2
Mar.	-1.6	2.2	.1	-2.0	-1.3	6.1	-.8	-10.0
Apr.	-1.8	4.5	.2	-1.4	-2.5	8.5	-1.1	-9.9
May	.5	.4	.2	-1.1	2.2	11.9	2.3	-4.4

The index for finished consumer goods other than foods and energy showed no change for the second consecutive month. Price advances for passenger cars, light motor trucks, apparel, periodical circulation, and for photographic equipment and supplies were offset by declining prices for prescription drugs, plastic products, textile housefurnishings, and for sanitary papers and health products.

The capital equipment index increased 0.2 percent in May, after showing no change in the previous month. Prices for light motor trucks rose more than a month ago. The heavy motor truck index advanced 0.7 percent, after showing no change in April. Prices for civilian aircraft, commercial furniture, and for telephone and telegraph equipment turned up in May, following a decrease in the prior month. Electronic computer prices fell less than last month. By contrast, the index for construction machinery and equipment rose 0.1 percent, after a 0.5-percent increase in April. Prices for agricultural irrigation systems and for optical instruments and lenses turned down, after increasing a month earlier.

Intermediate goods

The Producer Price Index for Intermediate Materials, Supplies, and Components advanced 0.2 percent in May, seasonally adjusted, after registering a 0.6-percent gain in April. This deceleration was mainly due to a slowing rate of increase in prices for energy goods, which rose less than in the previous month. By contrast, the indexes for intermediate foods and feeds and durable manufacturing materials advanced, following declines a month earlier. Prices for nondurable manufacturing materials and for materials and components for construction rose at the same rate in May as in April. Excluding foods and energy, the index for intermediate materials increased 0.2 percent for the second consecutive month. (See table B.)

The intermediate energy goods index advanced 0.4 percent in May, after posting a 4.5-percent gain in April. In May, rising prices for liquefied petroleum gas, residual fuels, industrial natural gas, commercial natural gas, and natural gas to electric utilities outweighed falling prices for gasoline, jet fuels, diesel fuel, finished lubricants, and industrial electric power.

The index for intermediate foods and feeds increased 0.5 percent in May, following a 1.8-percent drop in April. Prices for fluid milk products rose 2.5 percent, after registering a 14.6-percent decline in the prior month. The indexes for pork, processed young chickens, flour, processed eggs, and granulated sugar also advanced, following declines a month

earlier. Conversely, beef and veal prices fell 0.2 percent, after increasing 2.3 percent in April. Prices for prepared animal feeds and crude vegetable oils also fell, after rising a month ago. The index for liquid beverage bases used for soft drinks showed no change, following an increase last month.

Prices for durable manufacturing materials advanced 0.8 percent in May, after registering a 0.2-percent decline in April. The index for primary nonferrous metals, except precious, rose 6.3 percent, following a 0.3-percent gain a month earlier. Prices for softwood plywood, softwood lumber, aluminum mill shapes, nonferrous wire and cable, and cement increased, after decreasing in the prior month. The index for hot rolled bars, plates, and structural shapes fell less than in the previous month. Prices for copper and brass mill shapes rose more than a month ago. On the other hand, the index for hot rolled sheet and strip declined 1.7 percent, following a 0.4-percent gain in April. Thermoplastic resin prices rose less than a month earlier. The wood chips index fell, after rising last month.

Prices for nondurable manufacturing materials increased 0.2 percent in May, the same rate of increase as in April. Index advances for primary basic organic chemicals, thermoplastic resins, paint materials, woodpulp, paperboard (excluding corrugated), and writing and printing papers outweighed index declines for basic inorganic chemicals, nitrogenates, finished circular knit fabrics, and synthetic rubber.

The index for materials and components for construction advanced 0.1 percent in May, following a 0.1-percent gain in April. Rising prices for softwood plywood, softwood lumber, millwork, particleboard and fiberboard, and nonferrous wire and cable slightly outweighed falling prices for steel mill products, fabricated structural metal products, prepared asphalt and tar roofing and siding products, and ready mixed concrete.

Crude goods

The Producer Price Index for Crude Materials for Further Processing advanced 5.5 percent in May, seasonally adjusted, following a 1.3-percent increase in April. The May increase represents the largest monthly increase since a 6.1-percent rise in December 1996. Prices for crude foodstuffs and feedstuffs and basic industrial materials turned up, after falling in the previous month. The index for crude energy materials rose more than in April. (See table B.)

Prices for crude foodstuffs and feedstuffs increased 2.2 percent in May, following a 2.5-percent drop in April. The index for milk eligible

for fluid use turned up 0.1 percent, after registering a 12.2-percent decline a month ago. Prices for slaughter broilers and fryers, slaughter cows and bulls, and unprocessed finfish also rallied, following last month's declines. The indexes for slaughter hogs and alfalfa hay rose more than in the previous month. By contrast, prices for fresh vegetables, except potatoes, dropped 22.9 percent in May, following a 23.0-percent rate of increase in April. The indexes for oilseeds and citrus fruits also turned down, after rising in the prior month. The index for slaughter steers and heifers fell more than a month ago.

The index for crude energy materials advanced 11.9 percent in May, after rising 8.5 percent in April. The May increase is the largest one-month rise since a 19.3-percent increase in December 1996. Prices for natural gas gained 17.2 percent, after increasing 1.7 percent in the prior month. The index for coal also rose faster than a month ago. Conversely, crude petroleum prices increased 11.3 percent, following a 27.3-percent advance in April.

Prices for basic industrial materials turned up 2.3 percent in May, following a 1.1-percent decline in April. The carbon steel scrap index increased 8.4 percent, after rising 0.3 percent in the previous month. The index for aluminum base scrap also rose faster than in April. Prices for copper ores and raw cotton turned up, after falling in the prior month. Following a decrease in April, the index for gold ore showed no change. On the other hand, corrugated wastepaper prices fell 2.6 percent in May, following a 4.6-percent rise in April. The phosphates index also turned down, after rising in the month of April. The index for pulpwood decreased faster than the prior month.

Net output price indexes for mining, manufacturing, and other industries

Mining. The Producer Price Index for the net output of total domestic mining industries advanced 9.3 percent in May, following a 5.3-percent increase in April. (Net output price indexes are not seasonally adjusted.) Price increases for the crude petroleum, natural gas, and natural gas liquids industry accelerated from 9.2 percent in April to 15.2 percent in May. The index for copper ores turned up, after falling in the prior month. By contrast, prices for the drilling oil and gas wells industry turned down 0.6 percent, after rising 0.4 percent in the previous month. The index for the mining of non-metallic minerals, except fuels, industry group showed no change, following a 0.3-percent rise in April. In May, the Producer Price Index for the net output of total domestic mining industries stood at 74.3 (December 1984=100), 0.1 percent above its year-ago level.

Manufacturing. The Producer Price Index for the net output of total

domestic manufacturing industries rose 0.2 percent in May, after increasing 1.0 percent in April. Most of this deceleration was due to the index for the petroleum refining industry group, which rose 2.5 percent after jumping 23.6 percent in the prior month. Among other manufacturing industries in May, prices for the chemicals and allied products, rubber and miscellaneous plastic products, and the fabricated metal products industry groups fell, after rising in the previous month. However, prices advanced 1.0 percent, following a 1.0-percent decline for the food and kindred products industry group. Prices for the measuring and controlling instruments, primary metal industries, and the furniture and fixtures industry groups also turned up, after falling in April. In May, the Producer Price Index for the net output of the total domestic manufacturing industries stood at 127.7 (December 1984=100), 1.0 percent higher than its year-ago level.

Other. Among other industries in May, prices for real estate agents and managers turned down 0.3-percent, after gaining 1.3 percent a month earlier. The indexes for passenger car rental, scheduled air transportation, hotels and motels, air courier services, and engineering services also fell, after rising in the prior month. By contrast, prices advanced 3.6 percent for radio broadcasting, following a 1.5-percent rise a month ago. The indexes for life insurance carriers, truck rental and leasing, and skilled and intermediate care facilities rose, after falling in April. Prices for operators and lessors of nonresidential buildings and offices and clinics of doctors of medicine increased, after showing no change in the previous month.

Producer Price Index data for June 1999 will be
released on Wednesday, July 14, 1999 at 8:30 a.m. (E.D.T.)

Information in this news release will be made available to sensory impaired individuals upon request. Voice phone: 202-606-7828; TDD phone: 202-606-5897; TDD Message Referral phone: 1-800-326-2577.

Rebasing of Selected Producer Price Indexes

Effective with the release of data for May 1999, the Bureau of Labor Statistics has rebased 37 PPI commodity-based and 36 PPI industry-based price indexes to December 1998=100. Most of these data can normally be found in table 5 and table 6 of the PPI Detailed Report. To be considered for rebasing, an index must have dropped below 30.0, with little chance of rising to previous levels, or the index must be part of an index aggregate where the majority of the shipment value was rebased. The indexes for high-technology goods such as computers and semiconductors were most affected by this rebasing. (See the tables below.)

Rebasing is beneficial when indexes decline to such a low level that relatively sizable month-to-month price changes are not reflected in the index in a timely fashion. For example, the first-released index for April 1999 for portable computers stood at 9.1 (December 1992=100). This index level is so low that prices must change approximately 1.0 percent for the published index to indicate a change. Of course, a 1.0-percent movement in prices may accumulate over, say, two months, but the lack of precision at this low index level could place the entire price change in the second month.

The general index base for the PPI program remains 1982=100. Only the indexes listed in the attached tables are affected by this change. For further information on this change, please contact the Section of Index Analysis at (202) 606-7705.

Table C. Commodity indexes selected for rebasing

Commodity code	Commodity title	Final December 1998 index before rebasing
05810111	Petroleum coke	10.0
102108	Uranium-radium-vanadium ores	NA
10210802	Uranium concentrated and precipitates	NA
10220141	Cadmium metal, 99.90 pct. min.	10.1
115	Electronic computers and computer equipment	30.2
1151	Electronic computers	21.8
115101	Electronic computers	21.8
11510111	Large-scale general purpose computers	60.2
11510112	Mid-range general purpose computers	41.4
11510114	Personal computers and workstations	13.3
11510115	Portable computers	10.7
11510121	Other computers	85.5
1152	Computer storage devices	38.5
115201	Computer storage devices, except parts	35.4
11520101	Computer storage devices, except parts	35.4
115202	Parts and components	NA
11520201	Parts and components	NA
1153	Computer terminals and parts	88.7

115301	Computer terminals	90.0
11530101	Computer terminals	90.0
115302	Computer terminal parts and subassemblies	NA
11530201	Computer terminal parts and subassemblies	NA
1154	Computer peripheral equipment and parts	77.6
115401	Optical scanning devices	82.1
11540101	Optical scanning devices	82.1
115402	Computer printers	62.0
11540201	Computer printers	62.0
115403	Other input/output devices, incl. monitors	70.5
11540301	Other input/output devices, incl. monitors	70.5
115404	Other peripheral equipment	87.1
11540401	Other peripheral equipment	87.1
115405	Parts for computer peripheral equipment	101.4
11540501	Parts for computer peripheral equipment	101.4
117842	Digital MOS integrated circuits	18.5
11784221	MOS, memory	13.7
11784223	Other MOS, incl. logic, MCU and MPR	54.7
11784225	MOS, microprocessors	6.1

Table D. Industry-based indexes selected for rebasing

Product code	Product title	Final December 1998 index before rebasings
2037197	Citrus pulp and other nonedible citrus byproducts	17.2
2911D21	Petroleum coke, made in refineries	10.0
3571	Electronic computers	26.6
3571P	Primary products	21.3
35711	General purpose digital computers	27.1
357111	Large-scale (64 MB or more in minimum main memory configuration)	49.0
357112	Mid-range (<64 MB min. main memory) excl. PCs and workstations	41.4
357114	Personal computers and workstations (excluding portable computers)	13.3
357115	Portable computers (with attached display)	10.7
35712	Other computers	85.5

357121	Other computers (array, database, image processors, & other analog, hybrid, or special purpose)	NA
3571M	Miscellaneous receipts	51.1
3571XY9	Contract work and other miscellaneous receipts	NA
3571Z89	Resales	NA
3571S	Secondary products	61.9
3571SS	Other secondary products	75.3
3572	Computer storage devices	42.2
3572P	Primary products	39.2
35721	Computer storage devices, except parts	35.4
357211	Random access storage devices	24.4
3572111	Hard disk drives (rigid magnetic media)	18.1
35721115	With media size smaller than 3.5 inches	NA
35721117	With media size of 3.5 inches and over but less than 5.25 inches	14.2
35721141	With media size of 5.25 inches and over	NA
35721145	Disk subsystems and disk arrays (RAID)	45.3
3674	Semiconductors and related devices	69.3
3674P	Primary products	55.2
36741	Integrated circuits	41.3
36741A	Digital monolithic integrated circuits	23.6
36741A1	MOS memory devices	11.2
36741A101	DRAM (dynamic random access memory)	13.1
36741A109	Other MOS memory devices	73.0
36741A2	Other digital MOS integrated circuits	45.4
36741A201	Microprocessors	5.6
36741A209	All other digital MOS integrated circuits	98.8
36741A9	Other digital integrated circuits, including bipolar and nonsilicon	81.6

Table 1. Producer price indexes and percent changes by stage of processing (1982=100)

[illegible]

Finished goods.....	100.000	131.4	131.8	132.4	1.4	0.5	0.2	0.5	0.2
Finished consumer goods.....	74.783	129.7	130.4	131.1	1.7	.5	.3	.6	.2
Finished consumer foods.....	23.285	135.6	133.2	134.4	.6	.9	.4	-.9	.5
Crude.....	1.701	134.2	127.8	126.1	3.6	-1.3	5.8	-2.5	-1.2
Processed.....	21.584	135.6	133.6	135.1	.4	1.1	0	-.7	.7
Finished consumer goods, excluding foods.....	51.498	127.1	129.1	129.5	2.2	.3	.3	1.3	0
Nondurable goods less foods.....	35.202	122.9	125.9	126.5	3.0	.5	.5	1.8	-.2
Durable goods.....	16.296	133.3	132.9	132.9	.5	0	-.2	.1	.3
Capital equipment.....	25.217	137.8	137.7	137.8	.4	.1	0	0	.2
Manufacturing industries.....	6.607	138.3	138.5	138.5	.4	0	.1	0	.1
Nonmanufacturing industries.....	18.610	137.6	137.3	137.4	.2	.1	0	0	.3
Intermediate materials, supplies, and components.	100.000	120.9	121.6	122.1	-1.1	.4	.3	.6	.2
Materials and components for manufacturing.....	47.713	123.9	123.3	123.6	-2.5	.2	0	-.2	.2
Materials for food manufacturing.....	3.633	124.3	117.8	119.1	-3.7	1.1	-1.0	-2.5	.7
Materials for nondurable manufacturing.....	15.730	123.0	122.9	123.0	-3.8	.1	.2	.2	.2
Materials for durable manufacturing.....	10.415	123.5	123.2	124.2	-3.9	.8	-.2	-.2	.8
Components for manufacturing.....	17.935	125.8	125.7	125.6	-.3	-.1	0	.1	-.1
Materials and components for construction.....	14.004	146.9	147.9	148.3	1.0	.3	.3	.1	.1
Processed fuels and lubricants.....	11.845	76.1	80.5	82.2	.6	2.1	2.2	4.4	.4
Manufacturing industries	4.580	81.8	83.9	86.1	-.5	2.6	1.6	2.3	.8
Nonmanufacturing industries.....	7.265	72.7	78.4	79.8	1.3	1.8	2.7	5.8	-.1
Containers.....	3.881	138.3	140.3	141.1	-.4	.6	.2	1.7	.6
Supplies.....	22.557	134.1	133.9	133.7	-.8	-.1	-.1	.2	-.1
Manufacturing industries.....	5.131	140.2	140.5	140.4	-.1	-.1	.1	.1	-.1
Nonmanufacturing industries.....	17.426	131.4	131.1	130.9	-1.0	-.2	-.2	.2	-.2
Feeds.....	1.242	92.8	88.1	88.0	-11.6	-.1	-3.5	.3	-.1
Other supplies.....	16.184	136.1	136.3	136.1	-.1	-.1	.1	.1	-.1
Crude materials for further processing.....	100.000	90.1	90.4	96.1	-4.4	6.3	1.0	1.3	5.5
Foodstuffs and feedstuffs.....	45.019	101.2	95.8	99.7	-6.1	4.1	-1.3	-2.5	2.2
Nonfood materials.....	54.981	79.2	83.5	90.2	-2.9	8.0	3.1	4.5	8.3
Nonfood materials except fuel 3/.....	29.160	75.3	83.3	87.5	-.9	5.0	5.6	7.0	5.3
Manufacturing 3/.....	27.653	68.1	75.6	79.6	-.7	5.3	6.0	7.3	5.4
Construction.....	1.507	189.5	194.0	194.0	-3.1	0	.5	-.6	.7
Crude fuel 4/.....	25.821	78.3	77.1	86.7	-5.6	12.5	-.1	1.2	12.5
Manufacturing industries.....	2.104	77.6	75.5	84.3	-6.2	11.7	-.5	1.6	11.7
Nonmanufacturing industries.....	23.717	79.8	78.7	88.5	-5.4	12.5	-.1	1.3	12.5
Special groupings									
Finished goods, excluding foods.....	5/ 76.715	130.0	131.3	131.7	1.6	.3	.2	.8	.1
Intermediate materials less foods and feeds.....	6/ 95.125	121.2	122.3	122.8	-.9	.4	.3	.7	.2
Intermediate foods and feeds.....	6/ 4.875	114.6	108.7	109.5	-5.8	.7	-1.6	-1.8	.5

Crude materials less agricultural products 3/ 7/.	8/	52.084	78.2	82.9	90.0	-2.5	8.6	3.3	5.3	8.6
Finished energy goods.....	5/	11.972	71.3	75.8	77.3	1.3	2.0	1.2	5.1	0
Finished goods less energy.....	5/	88.028	143.0	142.4	142.6	1.4	.1	.1	-.2	.2
Finished consumer goods less energy.....	5/	62.811	145.1	144.2	144.5	1.8	.2	.1	-.3	.1
Finished goods less foods and energy.....	5/	64.743	145.9	145.9	145.8	1.7	-.1	0	.1	.1
Finished consumer goods less foods and energy....	5/	39.526	151.2	151.3	151.1	2.6	-.1	.1	0	0
Consumer nondurable goods less foods and energy..	5/	23.230	165.2	165.8	165.3	4.1	-.3	.1	.1	-.3
Intermediate energy goods.....	6/	11.941	75.9	80.2	81.9	.5	2.1	2.2	4.5	.4
Intermediate materials less energy.....	6/	88.059	130.9	130.7	130.9	-1.5	.2	0	.1	.2
Intermediate materials less foods and energy.....	6/	83.184	131.9	132.2	132.3	-1.2	.1	.1	.2	.2
Crude energy materials 3/.....	8/	33.303	61.0	66.5	74.4	2.3	11.9	6.1	8.5	11.9
Crude materials less energy.....	8/	66.697	108.1	104.1	107.7	-7.6	3.5	-1.1	-2.1	2.2
Crude nonfood materials less energy 4/.....	8/	21.678	128.8	128.9	131.4	-10.7	1.9	-.8	-1.1	2.3

- 1/ Comprehensive relative importance figures are initially computed after the publication of December indexes and are recalculated after final December indexes are available. The first-published and final December relative importances initially appear, respectively, in the release tables containing January and May data.
2/ The indexes for January 1999 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.

3/ Includes crude petroleum.
4/ Excludes crude petroleum.
5/ Percent of total finished goods.
6/ Percent of total intermediate materials.
7/ Formerly titled "Crude materials for further processing, excluding crude foodstuffs and feedstuffs, plant and animal fibers, oilseeds, and leaf tobacco."
8/ Percent of total crude materials.

Table 2. Producer price indexes and percent changes for selected commodity groupings by stage of processing (1982=100 unless otherwise indicated)

Commodity code	Grouping	Unadjusted index			Unadjusted percent change to May 1999 from:		Seasonally adjusted percent change from:		
		Jan. 1999	Apr. 1999	May 1999	May 1998	Apr. 1999	Feb. to Mar.	Mar. to Apr.	Apr. to May
		1/	1/	1/					
	FINISHED GOODS.....	131.4	131.8	132.4	1.4	0.5	0.2	0.5	0.2
	FINISHED CONSUMER GOODS.....	129.7	130.4	131.1	1.7	.5	.3	.6	.2
	FINISHED CONSUMER FOODS.....	135.6	133.2	134.4	.6	.9	.4	-.9	.5

01-11	Fresh fruits and melons 2/.....	105.3	101.4	113.6	23.1	12.0	-5.5	.9	12.0
01-13	Fresh and dry vegetables 2/.....	124.4	132.5	111.5	-16.9	-15.8	20.2	15.8	-15.8
01-71-07	Eggs for fresh use (Dec. 1991=100).....	94.0	74.8	66.8	-6.2	-10.7	4.0	-10.0	.9
02-11	Bakery products 2/.....	177.1	177.6	178.0	1.3	.2	-.4	.2	.2
02-13	Milled rice 2/.....	129.3	125.6	122.9	.4	-2.1	-1.3	-.9	-2.1
02-14-02	Pasta products (June 1985=100) 2/.....	122.5	122.4	121.9	-.7	-.4	-.5	-.1	-.4
02-21-01	Beef and veal.....	99.1	102.2	104.3	.8	2.1	2.4	2.3	-.2
02-21-04	Pork.....	90.9	86.0	100.2	-3.8	16.5	1.0	-3.1	8.3
02-22-03	Processed young chickens.....	117.6	110.4	113.2	-5.4	2.5	-.7	-2.8	2.5
02-22-06	Processed turkeys.....	88.0	89.0	89.3	2.3	.3	1.3	.2	.9
02-23	Finfish and shellfish.....	186.2	184.9	187.3	.5	1.3	9.4	-7.1	2.0
02-3	Dairy products.....	148.9	132.1	132.9	1.2	.6	-1.4	-7.1	1.3
02-4	Processed fruits and vegetables 2/.....	128.0	128.1	127.6	1.5	-.4	.2	.5	-.4
02-55	Confectionery end products 2/.....	169.7	169.4	170.8	1.4	.8	-.4	0	.8
02-62	Soft drinks.....	135.5	137.6	137.3	2.0	-.2	.6	.4	.1
02-63-01	Roasted coffee 2/.....	136.1	136.7	135.7	-7.9	-.7	-.1	-.1	-.7
02-78	Shortening and cooking oils 2/.....	147.4	138.2	138.3	-4.7	.1	-1.5	.4	.1
	FINISHED CONSUMER GOODS EXCLUDING FOODS.....	127.1	129.1	129.5	2.2	.3	.3	1.3	0
02-61	Alcoholic beverages.....	136.8	137.2	137.3	1.8	.1	.1	0	.1
03-81-01	Women's apparel 2/.....	123.7	122.5	123.4	1.2	.7	-.2	.3	.7
03-81-02	Men's and boys' apparel.....	133.6	132.8	133.3	.2	.4	-.3	-.1	.4
03-81-03	Girls', children's, and infants' apparel 2/.....	121.2	117.6	117.6	-3.7	0	-2.3	-.8	0
03-82	Textile housefurnishings 2/.....	123.1	123.5	122.8	-.4	-.6	.5	-.2	-.6
04-3	Footwear.....	143.8	144.6	144.4	-.1	-.1	-.2	-.6	0
05-41	Residential electric power (Dec. 1990=100).....	107.4	107.1	108.1	-1.5	.9	.2	-.1	-.5
05-51	Residential gas (Dec. 1990=100).....	116.4	109.8	110.8	-3.0	.9	-1.8	-1.7	.5
05-71	Gasoline.....	46.4	64.1	65.6	12.5	2.3	3.6	29.1	-2.7
05-73-02-01	Fuel oil No. 2.....	42.6	50.3	52.2	3.2	3.8	13.1	14.3	2.5
06-35	Pharmaceutical preps, ethical (Prescription) 2/.....	329.7	341.9	332.8	1.7	-2.7	.1	.2	-2.7
06-36	Pharmaceutical preps,proprietary (Over-counter) 2/..	184.8	186.8	186.7	1.0	-.1	.4	.4	-.1
06-71	Soaps and synthetic detergents 2/.....	125.5	125.6	125.3	-.6	-.2	.1	.1	-.2
06-75	Cosmetics and other toilet preparations 2/.....	133.6	133.8	133.9	.3	.1	.5	-.2	.1
07-12	Tires, tubes, tread, etc 2/.....	93.4	93.7	93.4	-.4	-.3	-.2	1.5	-.3
09-15-01	Sanitary papers and health products 2/.....	144.4	143.6	143.1	-1.0	-.3	1.3	-2.1	-.3
09-31-01	Newspaper circulation 2/.....	207.4	207.4	207.4	2.3	0	1.6	-.1	0
09-32-01	Periodical circulation.....	195.9	195.9	197.5	2.2	.8	-.3	.2	.9
09-33	Book publishing 2/.....	211.8	211.9	212.0	4.1	0	-.2	.3	0
12-1	Household furniture 2/.....	149.8	150.2	150.3	1.4	.1	.1	.1	.1
12-3	Floor coverings 2/.....	126.7	127.1	126.9	-1.1	-.2	.6	-.7	-.2
12-4	Household appliances	108.8	108.6	108.5	-.5	-.1	-1.1	.2	-.3
12-5	Home electronic equipment 2/.....	74.4	74.1	74.0	-3.6	-.1	-.1	-.1	-.1
12-62	Household glassware 2/.....	162.8	164.3	164.2	.7	-.1	.1	.9	-.1
12-64	Household flatware 2/.....	140.0	140.0	140.0	-.8	0	0	0	0

12-66	Lawn and garden equip., ex. tractors 2/.....	132.3	131.9	132.2	.5	.2	.1	-.3	.2
14-11-01	Passenger cars.....	132.0	130.7	130.4	0	-.2	-.5	.2	.7
15-11	Toys, games, and children's vehicles.....	124.0	124.0	123.8	-.6	-.2	.2	-.2	-.2
15-12	Sporting and athletic goods 2/.....	126.2	126.0	126.3	.2	.2	-.1	-.3	.2
15-2	Tobacco products 2/.....	363.4	363.4	363.6	30.6	.1	.1	0	.1
15-5	Mobile homes 2/.....	156.3	157.6	158.2	2.8	.4	.1	.6	.4
15-94-02	Jewelry, platinum, & karat gold 2/.....	127.8	127.8	127.6	-.6	-.2	0	.1	-.2
15-94-04	Costume jewelry and novelties 2/.....	139.9	140.1	139.8	.2	-.2	-.1	.1	-.2
	CAPITAL EQUIPMENT.....	137.8	137.7	137.8	.4	.1	0	0	.2
11-1	Agricultural machinery and equipment 2/.....	151.2	150.9	150.8	.7	-.1	.1	.5	-.1
11-2	Construction machinery and equipment.....	146.2	147.4	147.5	1.6	.1	.3	.5	.1
11-37	Metal cutting machine tools 2/.....	160.2	160.4	160.5	.2	.1	.1	-.1	.1
11-38	Metal forming machine tools 2/.....	159.2	159.6	159.8	1.5	.1	.1	.1	.1
11-39	Tools, dies, jigs, fixtures, and ind. molds 2/.....	139.0	139.4	139.4	.4	0	.1	.1	0
11-41	Pumps, compressors, and equipment.....	150.4	151.6	151.7	1.9	.1	.1	.2	.1
11-44	Industrial material handling equipment 2/.....	132.2	132.6	132.6	1.0	0	.2	0	0
11-51	Electronic computers (Dec. 1998=100) 2/.....	95.8	90.4	88.4	-23.6	-2.2	-.6	-3.8	-2.2
11-62	Textile machinery 2/.....	153.5	154.3	154.2	.7	-.1	.2	0	-.1
11-64	Paper industries machinery (June 1982=100).....	161.7	162.4	162.5	1.6	.1	.2	.4	.2
11-65	Printing trades machinery 2/.....	140.5	140.8	141.1	.7	.2	0	-.1	.2
11-74	Transformers and power regulators 2/.....	130.8	130.5	130.7	-.2	.2	-.6	0	.2
11-76	Communication & related equip. (Dec. 1985=100) 2/...	114.3	114.1	114.1	0	0	.1	-.1	0
11-79-05	X-ray and electromedical equipment 2/.....	106.2	105.8	106.0	-.8	.2	.2	-.3	.2
11-91	Oil field and gas field machinery	126.4	126.6	126.6	.8	0	.1	.1	.2
11-92	Mining machinery and equipment 2/.....	143.1	143.9	144.2	1.4	.2	.3	.2	.2
11-93	Office and store machines and equipment 2/.....	111.9	112.3	112.3	-.1	0	0	.3	0
12-2	Commercial furniture 2/.....	155.8	156.0	156.5	.6	.3	.1	-.2	.3
14-11-05	Light motor trucks.....	158.2	158.4	158.0	2.8	-.3	-.2	.3	.8
14-11-06	Heavy motor trucks 2/.....	145.4	146.1	147.1	3.9	.7	.2	0	.7
14-14	Truck trailers 2/.....	135.3	135.9	135.9	.4	0	.1	.5	0
14-21-02	Civilian aircraft (Dec. 1985=100).....	150.9	151.0	151.4	.8	.3	.2	-.1	.3
14-31	Ships (Dec. 1985=100) 2/.....	145.8	145.8	146.5	.5	.5	0	0	.5
14-4	Railroad equipment.....	134.6	134.3	134.4	-.7	.1	-.1	-.4	.1
	INTERMEDIATE MATERIALS, SUPPLIES, AND COMPONENTS.....	120.9	121.6	122.1	-1.1	.4	.3	.6	.2
	INTERMEDIATE FOODS AND FEEDS.....	114.6	108.7	109.5	-5.8	.7	-1.6	-1.8	.5
02-12-03	Flour 2/.....	107.4	103.0	104.7	-6.9	1.7	-1.5	-1.5	1.7
02-53	Refined sugar 2/.....	118.9	122.6	123.6	3.7	.8	2.0	0	.8
02-54	Confectionery materials.....	94.1	93.7	93.3	-.1	-.4	.2	0	-1.2
02-72	Crude vegetable oils 2/.....	117.4	98.0	94.9	-34.0	-3.2	-15.1	3.0	-3.2
02-9	Prepared animal feeds 2/.....	101.5	97.4	97.3	-9.3	-.1	-2.8	.3	-.1

	INTERMEDIATE MATERIALS LESS FOODS AND FEEDS.....	121.2	122.3	122.8	-.9	.4	.3	.7	.2
03-1	Synthetic fibers 2/.....	105.5	104.4	104.5	-5.8	.1	-.5	-.1	.1
03-2	Processed yarns and threads 2/.....	110.4	108.7	108.4	-4.2	-.3	.6	0	-.3
03-3	Gray fabrics 2/.....	117.8	115.9	115.4	-6.2	-.4	.8	-1.5	-.4
03-4	Finished fabrics.....	122.3	122.7	122.4	-1.8	-.2	0	0	-.4
03-83-03	Industrial textile products 2/.....	128.5	128.9	128.9	-1.2	0	-.2	0	0
04-2	Leather.....	176.1	176.6	175.6	-1.0	-.6	.4	2.1	-.8
05-32	Liquefied petroleum gas 2/.....	47.2	53.1	63.5	.2	19.6	7.3	0	19.6

See footnotes at end of table.

Table 2. Producer price indexes and percent changes for selected commodity groupings by stage of processing - Continued
(1982=100 unless otherwise indicated)

Commodity code	Grouping	Unadjusted index			Unadjusted percent change to May 1999 from:		Seasonally adjusted percent change from:		
		Jan.	Apr.	May	May	Apr.	Feb. to	Mar. to	Apr. to
		1999 1/	1999 1/	1999 1/	1998	1999	Mar.	Apr.	May
	INTERMEDIATE MATERIALS LESS FOODS AND FEEDS								
	-Continued.....								
05-42	Commercial electric power.....	124.9	124.2	126.4	-1.3	1.8	0.4	-1.5	-0.1
05-43	Industrial electric power.....	126.1	125.2	127.4	-1.4	1.8	-.1	-.7	-.3
05-52	Commercial natural gas (Dec. 1990=100).....	109.7	102.9	102.2	-3.4	-.7	-1.6	-.1	2.3
05-53	Industrial natural gas (Dec. 1990=100).....	103.9	95.0	97.1	-6.0	2.2	-.2	-2.2	4.4
05-54	Natural gas to electric utilities (Dec. 1990=100)...	79.0	71.1	77.0	-1.4	8.3	-6.9	4.3	8.9
05-72-03	Jet fuels.....	37.5	48.9	48.3	.8	-1.2	9.9	28.4	-3.3
05-73-03	No. 2 Diesel fuel.....	40.2	53.1	53.0	6.0	-.2	16.4	18.8	-2.3
05-74	Residual fuel 2/.....	36.0	40.4	46.9	-.4	16.1	23.8	15.8	16.1
06-1	Industrial chemicals 2/.....	118.3	116.8	116.5	-4.4	-.3	-.5	-.5	-.3
06-21	Prepared paint.....	156.9	157.5	157.6	1.6	.1	-.3	.1	.3
06-22	Paint materials 2/.....	143.6	144.3	147.1	2.4	1.9	.1	.8	1.9
06-31	Medicinal and botanical chemicals	138.5	138.8	138.8	2.7	0	.2	.1	-.3
06-4	Fats and oils, inedible 2/.....	108.9	81.7	78.8	-37.0	-3.5	-21.1	4.7	-3.5
06-51	Mixed fertilizers.....	114.3	114.3	114.3	-1.1	0	0	-.3	.2
06-52-01	Nitrogenates.....	95.2	98.4	95.4	-15.6	-3.0	.3	.6	-2.5
06-52-02	Phosphates 2/.....	114.7	114.9	113.7	1.3	-1.0	0	.5	-1.0
06-53	Other agricultural chemicals.....	146.4	145.6	140.5	-5.8	-3.5	.8	-.1	-3.6

06-6		Plastic resins and materials 2/.....		115.9	119.2	120.2	-6.7	.8	1.8	1.7	.8
07-11-02		Synthetic rubber 2/.....		114.1	115.4	113.7	-3.2	-1.5	.3	-.3	-1.5
07-21		Plastic construction products		124.5	125.4	125.8	-1.3	.3	-.6	.5	.1
07-22		Unsupported plastic film, sheet, & other shapes 2/..		126.4	125.6	125.2	-2.8	-.3	.1	.5	-.3
07-26		Plastic parts and components for manufacturing 2/...		117.2	117.7	117.6	.3	-.1	-.2	.6	-.1
08-11		Softwood lumber 2/.....		181.0	193.1	197.1	5.4	2.1	3.7	-.3	2.1
08-12		Hardwood lumber		175.8	176.4	176.7	-1.6	.2	.7	-.1	.3
08-2		Millwork 2/.....		171.5	173.2	173.8	1.5	.3	.2	.6	.3
08-3		Plywood 2/.....		161.6	169.5	178.2	17.7	5.1	2.2	-1.9	5.1
09-11		Woodpulp 2/.....		112.7	110.4	113.8	-5.8	3.1	-2.5	.2	3.1
09-13		Paper.....		141.4	139.8	140.1	-4.3	.2	-.6	.2	.2
09-14		Paperboard.....		142.2	149.4	149.1	-3.3	-.2	4.6	2.5	.6
09-15-03		Paper boxes and containers 2/.....		151.3	154.3	155.8	-.3	1.0	.3	2.5	1.0
09-2		Building paper and board 2/.....		131.5	138.2	141.7	7.3	2.5	3.9	.8	2.5
09-37		Commercial printing (June 1982=100) 2/.....		151.9	152.2	151.9	.1	-.2	.1	-.1	-.2
10-15		Foundry and forge shop products.....		135.1	135.3	135.2	0	-.1	-.1	.3	-.1
10-17		Steel mill products 2/.....		107.1	105.1	104.2	-9.5	-.9	-1.0	-.4	-.9
10-22		Primary nonferrous metals 2/.....		95.8	94.0	99.8	-8.8	6.2	-2.1	-.1	6.2
10-25-01		Aluminum mill shapes 2/.....		135.9	133.7	135.5	-6.0	1.3	-.2	-.4	1.3
10-25-02		Copper and brass mill shapes 2/.....		144.8	144.4	149.9	-3.9	3.8	-1.4	.8	3.8
10-26		Nonferrous wire and cable 2/.....		136.3	133.0	134.6	-4.7	1.2	-.5	-.7	1.2
10-3		Metal containers 2/.....		107.1	107.0	106.1	-2.3	-.8	0	0	-.8
10-4		Hardware.....		147.4	147.8	148.1	.8	.2	-.1	.4	.2
10-5		Plumbing fixtures and brass fittings.....		175.3	176.1	176.2	.1	.1	.9	.1	0
10-6		Heating equipment.....		153.9	153.6	153.6	.1	0	-.1	.3	0
10-7		Fabricated structural metal products.....		142.7	142.9	142.8	.1	-.1	0	.1	-.2
10-88		Fabricated ferrous wire products (June 1982=100) 2/.		130.7	130.7	130.7	.4	0	.2	-.2	0
10-89		Other misc. metal products 2/.....		125.7	125.5	125.4	-.7	-.1	-.3	.1	-.1
11-45		Mechanical power transmission equipment.....		159.8	160.8	160.9	2.2	.1	.3	.3	.2
11-48		Air conditioning and refrigeration equipment.....		136.0	136.2	136.2	1.9	0	0	.1	.2
11-49-02		Metal valves, ex.fluid power (Dec. 1982=100) 2/.....		159.4	160.6	159.6	2.0	-.6	.3	.1	-.6
11-49-05		Ball and roller bearings.....		166.3	166.8	166.8	1.3	0	.1	.5	.2
11-71		Wiring devices.....		152.5	151.5	151.9	-1.6	.3	-.5	.1	.3
11-73		Motors, generators, motor generator sets.....		146.2	146.3	146.4	.5	.1	.1	-.2	.1
11-75		Switchgear, switchboard, etc., equipment.....		150.5	150.4	150.0	1.4	-.3	-.2	.5	-.1
11-78		Electronic components and accessories 2/.....		98.8	98.7	98.6	-1.5	-.1	0	-.2	-.1
11-94		Internal combustion engines.....		142.6	142.7	142.8	1.7	.1	-.3	.1	.1
11-95		Machine shop products 2/.....		136.8	136.8	136.8	.4	0	0	0	0
13-11		Flat glass 2/.....		104.9	105.8	106.2	-1.1	.4	2.4	-1.0	.4
13-22		Cement.....		148.9	150.4	151.7	4.1	.9	.6	-1.3	.7
13-3		Concrete products.....		142.2	143.6	143.7	2.7	.1	-.1	.4	-.1
13-6		Asphalt felts and coatings 2/.....		99.0	99.5	98.6	-.9	-.9	-.3	1.2	-.9
13-7		Gypsum products 2/.....		190.0	195.4	196.6	13.9	.6	2.0	.2	.6
13-8		Glass containers 2/.....		125.9	126.2	126.0	.1	-.2	.1	.2	-.2
14-12		Motor vehicle parts 2/.....		114.1	113.6	113.5	-1.1	-.1	.1	-.2	-.1

14-23	Aircraft engines & engine parts (Dec. 1985=100).....	139.0	139.3	137.8	.1	-1.1	-.2	.6	-1.3
14-25	Aircraft parts & aux.equip.,nec (June 1985=100) 2/...	144.4	142.7	142.5	.1	-.1	.3	-.9	-.1
15-42	Photographic supplies 2/.....	129.0	125.1	128.2	-.6	2.5	0	0	2.5
15-6	Medical/surgical/personal aid devices.....	144.2	144.7	144.6	1.1	-.1	.6	.2	.1
	CRUDE MATERIALS FOR FURTHER PROCESSING.....	90.1	90.4	96.1	-4.4	6.3	1.0	1.3	5.5
	CRUDE FOODSTUFFS AND FEEDSTUFFS.....	101.2	95.8	99.7	-6.1	4.1	-1.3	-2.5	2.2
01-21	Wheat 2/.....	86.7	78.6	78.8	-14.6	.3	-4.1	-1.3	.3
01-22-02-05	Corn.....	83.7	83.2	85.5	-11.6	2.8	-7.2	-.9	.4
01-31	Slaughter cattle 2/.....	91.5	96.4	95.5	-2.1	-.9	4.6	-1.0	-.9
01-32	Slaughter hogs.....	44.6	48.1	63.8	-8.5	32.6	-6.4	6.6	13.2
01-41-02	Slaughter broilers/fryers.....	140.2	122.7	144.2	1.8	17.5	-5.4	-3.7	10.0
01-42	Slaughter turkeys.....	96.3	108.8	116.9	18.1	7.4	2.4	-.2	6.2
01-6	Fluid milk.....	127.8	96.2	95.6	-2.5	-.6	-5.4	-11.3	-.2
01-83-01-31	Soybeans 2/.....	91.8	80.8	79.6	-27.8	-1.5	-6.5	2.9	-1.5
02-52-01-01	Cane sugar,raw 2/.....	118.7	119.6	118.3	.2	-1.1	-.3	1.0	-1.1
	CRUDE NONFOOD MATERIALS.....	79.2	83.5	90.2	-2.9	8.0	3.1	4.5	8.3
01-51-01-01	Raw cotton.....	94.4	95.5	94.9	-12.1	-.6	2.5	-3.7	2.5
01-92-01-01	Leaf tobacco 2/.....	112.4	95.8	(3)	(3)	(3)	1.8	-16.4	(3)
04-11	Cattle hides 2/.....	143.3	133.6	137.8	-10.0	3.1	-7.1	.6	3.1
05-1	Coal 2/.....	88.2	92.7	94.6	.1	2.0	2.4	.3	2.0
05-31	Natural gas 2/.....	74.7	71.0	83.2	-8.1	17.2	-1.7	1.7	17.2
05-61	Crude petroleum 2/.....	30.2	42.4	47.2	23.2	11.3	27.1	27.3	11.3
08-5	Logs, timber, etc.....	198.6	201.4	199.9	-6.3	-.7	.1	-.9	-.1
09-12	Wastepaper 2/.....	126.6	142.5	142.2	-6.3	-.2	2.2	-.1	-.2
10-11	Iron ore 2/.....	95.2	94.9	94.9	-.7	0	.3	-.3	0
10-12	Iron and steel scrap 2/.....	124.4	124.5	134.9	-26.9	8.4	-4.4	.3	8.4
10-21	Nonferrous metal ores (Dec. 1983=100) 2/.....	60.4	59.8	63.0	-9.2	5.4	-1.0	-1.8	5.4
10-23-01	Copper base scrap 2/.....	99.9	102.3	106.2	-14.2	3.8	9.2	3.4	3.8
10-23-02	Aluminum base scrap.....	143.2	148.8	158.6	-7.6	6.6	-.8	2.8	7.8
13-21	Construction sand, gravel, and crushed stone.....	155.3	156.7	157.1	2.8	.3	.5	.1	.3

1/ The indexes for January 1999 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.

2/ Not seasonally adjusted.

3/ Not available.

Table 3. Producer price indexes for selected commodity groupings
(1982=100 unless otherwise indicated)

Commodity code	Grouping	Unadjusted index 1/		
		Jan. 1999	April 1999	May 1999
	Finished Goods (1967=100).....	368.6	370.0	371.5
	All commodities.....	122.9	123.5	124.5
	MAJOR COMMODITY GROUPS			
	Farm products and processed foods and feeds....	122.1	118.3	120.1
01	Farm products.....	102.2	96.9	99.6
02	Processed foods and feeds.....	131.9	128.9	130.2
	Industrial commodities.....	123.1	124.5	125.4
03	Textile products and apparel.....	121.8	121.0	121.1
04	Hides, skins, leather, and related products..	145.8	144.9	145.0
05	Fuels and related products and power 2/.....	70.1	75.0	78.0
06	Chemicals and allied products 2/.....	142.3	143.0	142.3
07	Rubber and plastic products.....	122.0	122.4	122.1
08	Lumber and wood products.....	177.2	181.6	183.2
09	Pulp, paper, and allied products.....	170.7	171.9	172.4
10	Metals and metal products.....	123.5	122.9	123.8
11	Machinery and equipment.....	124.7	124.6	124.6
12	Furniture and household durables.....	131.4	131.5	131.6
13	Nonmetallic mineral products.....	136.9	138.2	138.3
14	Transportation equipment.....	142.0	141.5	141.4
15	Miscellaneous products.....	166.0	165.2	165.9
	Industrial commodities less fuels and related products and power.....	138.6	138.7	138.8
	OTHER COMMODITY GROUPINGS			
01-1	Fruits and melons, fresh and dry vegetables, and tree nuts.....	121.6	122.5	121.3
01-2	Grains.....	87.0	83.1	84.6
01-3	Slaughter livestock.....	79.3	83.8	87.9
01-4	Slaughter poultry.....	129.5	118.7	136.6

01-5	Plant and animal fibers.....	93.5	94.4	93.8	
01-7	Chicken eggs.....	109.7	85.3	77.1	
01-8	Hay, hayseeds, and oilseeds.....	112.0	105.0	107.9	
01-83	Oilseeds.....	103.2	93.5	93.3	
01-9	Other farm products.....	167.7	142.9	'N.A.'	
02-1	Cereal and bakery products.....	157.9	157.2	158.0	
02-2	Meats, poultry, and fish.....	110.5	109.6	113.9	
02-22	Processed poultry.....	115.7	111.4	113.2	
02-5	Sugar and confectionery.....	134.8	135.3	136.0	
02-6	Beverages and beverage materials.....	137.6	138.8	138.6	
02-63	Packaged beverage materials.....	133.9	134.5	133.6	
02-7	Fats and oils.....	137.7	123.0	121.6	
03-81	Apparel.....	127.3	126.3	126.8	
04-4	Other leather and related products.....	144.9	145.1	144.6	
05-3	Gas fuels 2/.....	66.6	65.5	77.0	
05-4	Electric power.....	125.5	125.0	126.7	
05-7	Refined petroleum products.....	44.9	58.4	59.6	
06-3	Drugs and pharmaceuticals.....	247.6	253.8	250.0	
06-5	Agricultural chemicals and products.....	125.4	125.9	122.9	
06-7	Other chemicals and allied products.....	134.8	134.7	134.5	
07-1	Rubber and rubber products.....	114.4	114.6	114.3	
07-11	Rubber, except natural rubber.....	113.5	114.8	113.1	
07-13	Miscellaneous rubber products.....	138.2	138.1	138.1	
07-2	Plastic products.....	128.7	129.3	129.0	
08-1	Lumber.....	177.4	186.0	188.8	
09-1	Pulp, paper, and products, excluding building paper and board.....	142.7	144.2	144.7	
09-15	Converted paper and paperboard products.....	149.9	151.2	151.9	
10-1	Iron and steel.....	113.9	112.5	112.9	
10-2	Nonferrous metals.....	115.3	114.4	117.4	
10-25	Nonferrous mill shapes.....	130.5	128.8	131.1	
11-3	Metalworking machinery and equipment.....	147.5	148.1	148.0	
11-4	General purpose machinery and equipment.....	148.8	149.4	149.3	
11-6	Special industry machinery.....	160.5	161.3	161.4	
11-7	Electrical machinery and equipment.....	120.6	120.4	120.4	
11-9	Miscellaneous machinery and equipment.....	132.9	133.1	133.1	
12-6	Other household durable goods.....	152.1	152.0	152.7	
13-2	Concrete ingredients.....	150.4	151.8	152.5	
14-1	Motor vehicles and equipment.....	132.0	131.5	131.3	
15-1	Toys, sporting goods, small arms, etc.....	132.5	132.4	132.5	
15-4	Photographic equipment and supplies.....	113.7	110.1	113.6	
15-9	Other miscellaneous products.....	135.0	134.9	135.2	

1/ Data for January 1999 have been revised to reflect the availability of late reports and

corrections by respondents. All data are subject to revision 4 months after original publication.

2/ Prices of some items in this grouping are lagged 1 month.

Table 4. Producer price indexes for the net output of major industry groups, not seasonally adjusted

Industry code	Industry 1/	Index base	Index			Percent change to_May_1999_from:	
			Jan.	Apr.	May	May	Apr.
			1999 2/	1999 2/	1999 2/	1998	1999
	Total mining industries.....	12/84	64.1	68.0	74.3	0.1	9.3
10	Metal mining.....	12/84	68.2	67.9	70.4	-6.8	3.7
12	Coal mining.....	12/85	85.5	89.2	90.0	-.2	.9
13	Oil and gas extraction.....	12/85	60.3	64.7	72.9	.4	12.7
14	Mining and quarrying of non-metallic minerals, except fuels.....	12/84	133.0	134.1	134.1	1.4	0
	Total manufacturing industries.....	12/84	126.2	127.4	127.7	1.0	.2
20	Food and kindred products.....	12/84	126.6	124.2	125.4	-.4	1.0
21	Tobacco manufactures.....	12/84	316.5	316.0	316.2	33.0	.1
22	Textile mill products.....	12/84	117.1	116.3	116.4	-2.3	.1
23	Apparel and other finished products made from fabrics and similar materials.....	12/84	125.0	125.1	125.2	.2	.1
24	Lumber and wood products, except furniture..	12/84	156.7	160.1	161.6	2.7	.9
25	Furniture and fixtures.....	12/84	140.5	140.7	141.0	.9	.2
26	Paper and allied products.....	12/84	133.0	134.0	134.7	-1.7	.5
27	Printing, publishing, and allied industries.	12/84	176.4	176.9	177.2	1.9	.2
28	Chemicals and allied products.....	12/84	147.5	148.5	147.7	-1.3	-.5
29	Petroleum refining and related products.....	12/84	58.6	73.3	75.1	7.0	2.5
30	Rubber and miscellaneous plastic products...	12/84	121.5	121.9	121.7	-.5	-.2
31	Leather and leather products.....	12/84	135.8	136.2	135.9	-.9	-.2
32	Stone, clay, glass, and concrete products...	12/84	130.7	132.1	132.1	2.4	0
33	Primary metal industries.....	12/84	115.9	114.6	114.9	-5.9	.3
34	Fabricated metal products, except machinery and transportation equipment.....	12/84	128.8	128.9	128.8	0	-.1
35	Machinery, except electrical.....	12/84	117.4	117.5	117.5	-.2	0
36	Electrical and electronic machinery, equipment, and supplies.....	12/84	110.0	109.8	109.7	-.6	-.1
37	Transportation equipment.....	12/84	134.5	134.2	134.2	.9	0
38	Measuring and controlling instruments; photographic, medical, optical goods; watches, clocks.....	12/84	126.6	126.3	126.7	.4	.3

39	Miscellaneous manufacturing industries.....	12/85	130.2	130.2	130.4	.5	.2
	Services industries						
40	Railroad transportation.....	12/96	101.0	100.8	101.0	-.7	.2
42	Motor freight transportation and warehousing	06/93	113.6	114.4	114.4	2.8	0
43	United states postal service.....	06/89	135.4	135.4	135.4	2.3	0
44	Water transportation.....	12/92	106.0	106.1	105.7	.4	-.4
45	Transportation by air.....	12/92	126.6	130.0	129.6	4.3	-.3
46	Pipe lines, except natural gas.....	12/86	98.4	98.5	98.5	-.8	0
80	Health services.....	12/94	109.2	109.3	109.4	1.8	.1
81	Legal services.....	12/96	107.4	108.1	108.5	2.3	.4

1/ Indexes in this table are derived from the net-output-weighted industry price indexes. Because of differences in coverage and aggregation methodology, they will generally not match the movements of similarly-titled indexes which are derived from traditional commodity groupings.

2/ The indexes for January 1999 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.

3/ Not available.

Table 5. Producer price indexes by stage of processing, seasonally adjusted
(1982=100)

Grouping	Index 1/					
	Dec. 1998	Jan. 1999	Feb. 1999	Mar. 1999	Apr. 1999	May 1999
Finished goods.....	131.3	131.7	131.3	131.6	132.2	132.4
Finished consumer goods.....	129.7	130.2	129.7	130.1	130.9	131.1
Finished consumer foods.....	134.5	136.5	134.6	135.2	134.0	134.7
Crude.....	129.3	138.9	125.7	133.0	129.7	128.2
Processed.....	134.8	136.3	135.3	135.3	134.3	135.2
Finished consumer goods, excluding foods.....	127.5	127.4	127.4	127.8	129.4	129.4
Nondurable goods less foods.....	123.5	123.6	123.6	124.2	126.4	126.2
Durable goods.....	133.3	132.7	132.8	132.6	132.7	133.1
Capital equipment.....	137.7	137.6	137.6	137.6	137.6	137.9
Manufacturing industries.....	138.1	138.3	138.3	138.4	138.4	138.5
Nonmanufacturing industries.....	137.5	137.2	137.2	137.2	137.2	137.6
Intermediate materials, supplies, and components..	121.1	121.1	120.8	121.2	121.9	122.1
Materials and components for manufacturing.....	124.1	123.9	123.5	123.5	123.3	123.6
Materials for food manufacturing.....	123.8	125.0	122.8	121.6	118.6	119.4
Materials for nondurable manufacturing.....	123.2	122.9	122.4	122.7	122.9	123.1
Materials for durable manufacturing.....	124.3	123.5	123.5	123.3	123.1	124.1

Components for manufacturing.....	125.8	125.7	125.6	125.6	125.7	125.6
Materials and components for construction.....	146.7	147.0	147.3	147.7	147.9	148.1
Processed fuels and lubricants.....	76.8	77.4	77.1	78.8	82.3	82.6
Manufacturing industries	82.8	83.0	82.3	83.6	85.5	86.2
Nonmanufacturing industries.....	73.2	74.0	73.9	75.9	80.3	80.2
Containers.....	138.5	138.1	137.7	138.0	140.3	141.2
Supplies.....	134.4	134.0	133.8	133.6	133.9	133.7
Manufacturing industries.....	140.7	140.2	140.2	140.3	140.5	140.4
Nonmanufacturing industries.....	131.6	131.3	131.0	130.8	131.1	130.9
Feeds.....	93.2	92.8	91.0	87.8	88.1	88.0
Other supplies.....	136.3	136.0	135.9	136.0	136.2	136.0
Crude materials for further processing.....	90.4	90.9	88.6	89.5	90.7	95.7
Foodstuffs and feedstuffs.....	98.2	103.0	100.5	99.2	96.7	98.8
Nonfood materials.....	81.8	79.3	77.2	79.6	83.2	90.1
Nonfood materials except fuel 2/.....	72.7	75.4	73.4	77.5	82.9	87.3
Manufacturing 2/.....	65.6	68.2	66.2	70.2	75.3	79.4
Construction.....	190.8	188.9	190.9	191.9	190.8	192.1
Crude fuel 3/.....	87.7	78.3	76.3	76.2	77.1	86.7
Manufacturing industries.....	84.2	77.6	74.7	74.3	75.5	84.3
Nonmanufacturing industries.....	89.6	79.8	77.8	77.7	78.7	88.5
Special groupings						
Finished goods, excluding foods.....	130.2	130.1	130.2	130.4	131.5	131.6
Intermediate materials less foods and feeds.....	121.5	121.4	121.3	121.7	122.6	122.8
Intermediate foods and feeds.....	114.4	115.1	113.0	111.2	109.2	109.7
Crude materials less agricultural products 2/.....	80.7	78.2	76.1	78.6	82.8	89.9
Finished energy goods.....	71.9	72.5	72.2	73.1	76.8	76.8
Finished goods less energy.....	142.8	143.1	142.7	142.8	142.5	142.8
Finished consumer goods less energy.....	144.8	145.3	144.7	144.9	144.5	144.7
Finished goods less foods and energy.....	145.9	145.6	145.7	145.7	145.8	145.9
Finished consumer goods less foods and energy....	151.4	150.9	151.1	151.2	151.2	151.2
Consumer nondurable goods less foods and energy..	165.5	165.1	165.4	165.6	165.7	165.2
Intermediate energy goods.....	76.5	77.1	76.8	78.5	82.0	82.3
Intermediate materials less energy.....	131.1	130.9	130.6	130.6	130.7	130.9
Intermediate materials less foods and energy.....	132.2	131.9	131.8	131.9	132.1	132.3
Crude energy materials 2/.....	64.2	61.0	57.8	61.3	66.5	74.4
Crude materials less energy.....	105.9	109.4	108.0	106.8	104.6	106.9
Crude nonfood materials less energy 3/.....	128.9	129.1	130.4	129.3	127.9	130.9

- 1/ All seasonally adjusted indexes are subject to change up to 5 years after original publication due to the recalculation of seasonal factors each January. The indexes for January 1999 have been recalculated to incorporate late reports and corrections by respondents.
- 2/ Includes crude petroleum.
- 3/ Excludes crude petroleum.

Technical Notes

Brief Explanation of Producer Price Indexes

Producer price indexes (PPI) measure average changes in prices received by domestic producers of commodities in all stages of processing. Most of the information used in calculating the indexes is obtained through the systematic sampling of nearly every industry in the manufacturing and mining sectors of the economy. The PPI program also includes some information from other sectors--agriculture, fishing, forestry, services, and gas and electricity. Because producer price indexes are designed to measure only the change in prices received for the output of domestic industries, imports are not included. The sample currently contains about 3,200 commodities and 80,000 quotations per month.

There are three primary systems of indexes within the PPI program: (1) Stage of processing indexes; (2) commodity indexes; and (3) indexes for the net output of industries and their products. The stage-of-processing structure (tables 1 and 2) organizes products by class of buyer and degree of processing. The commodity structure (tables 2 and 3) organizes products by similarity of end-use or material composition. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products (table 4).

Within the stage-of-processing system, finished goods are commodities that will not undergo further processing and are ready for sale to the final demand user, either an individual consumer or business firm. Consumer foods include unprocessed foods such as eggs and fresh vegetables, as well as processed foods such as bakery products and meats. Other

finished consumer goods include durable goods such as automobiles, household furniture, and appliances, and nondurable goods such as apparel and home heating oil. Capital equipment includes producer durable goods such as heavy motor trucks, tractors, and machine tools.

The stage-of-processing category for intermediate materials, supplies, and components consists partly of commodities that have been processed but require further processing. Examples of such semifinished goods include flour, cotton yarn, steel mill products, and lumber. The intermediate goods category also encompasses nondurable, physically complete items purchased by business firms as inputs for their operations. Examples include diesel fuel, belts and belting, paper boxes, and fertilizers.

Crude materials for further processing are products entering the market for the first time that have not been manufactured or fabricated and that are not sold directly to consumers. Crude foodstuffs and feedstuffs include items such as grains and livestock. Examples of crude nonfood materials include raw cotton, crude petroleum, coal, hides and skins, and iron and steel scrap.

Producer price indexes for the net output of industries and their products are grouped according to the Standard Industrial Classification (SIC) and the Census product code extension of the SIC. Industry price indexes are compatible with other economic time series organized by SIC codes, such as data on employment, wages, and productivity. Table 4 lists indexes for the net output of major mining and manufacturing industry groups at the 2-digit level.

Producer price indexes are based on selling prices reported by establishments of all sizes selected by probability sampling, with the probability of selection proportionate to size. Individual items and transaction terms from these firms are also chosen by probability proportionate to size. BLS strongly encourages cooperating companies to supply actual transaction prices at the time of shipment to minimize the use of list prices. Prices are normally reported by mail questionnaire for the Tuesday of the week containing the 13th.

Price data are provided on a voluntary and confidential basis; no one but sworn BLS employees are allowed access to individual company price reports. All producer price indexes are routinely subject to revision once, 4 months after original publication, to reflect the availability of late reports and corrections by respondents.

Net output values of shipments are used as weights for industry indexes. Net output values refer to the value of shipments from establishments in one industry to establishments classified in another industry. However, weights for commodity price indexes are based on gross shipment values, including shipment values between establishments within the same industry. As a result, broad commodity grouping indexes such as the all commodities index are affected by the multiple counting of price change at successive stages of processing, which can lead to exaggerated or misleading signals about inflation. Stage-of-processing indexes partially correct this defect, but industry indexes consistently correct for this at all levels of aggregation. Therefore, industry and stage-of-processing indexes are more appropriate than broad commodity groupings for economic analysis of general price trends.

Weights for most traditional commodity groupings of the PPI, as well as all indexes (such as stage-of-processing indexes) calculated from traditional commodity groupings, currently reflect 1987 values of shipments as reported in the Census of Manufactures and other sources. From January 1987 through December 1991, PPI weights were derived from 1982 shipment values. Industry indexes shown in table 4 are also now calculated with 1987 net output weights.

Effective with publication of January 1988 data, many important PPI series (including stage-of-processing groupings and most commodity groups and individual items) were placed on a new reference base, 1982=100, to coincide with the reference year of the shipment weights. From 1971 through 1987, the standard reference base for most PPI series was 1967=100. Except for rounding differences, the shift to the new reference base did not alter any changes to previously published percent changes for affected PPI series. (See "Calculating Index Changes," below.) The new reference base is not used for indexes with a base later than December 1981, nor for indexes for the net output of industries and their products.

For further information on the underlying concepts and methodology of the Producer Price Index, see chapter 16, "Producer Prices," in BLS Handbook of Methods (September 1992), Bulletin 2414. Reprints are available from the Bureau of Labor Statistics on request.

Calculating Index Changes

Movements of price indexes from one month to another are usually expressed as percent changes rather than as changes in index points because index point chances are affected by the level of the index in relation to its base period, while percent changes are not. The box shows the computation of index point and percent changes.

Percent changes for 3-month and 6-month periods can be expressed as annual rates that are computed according to the standard formula for compound growth rates. These data indicate what the percent change would be if the rate for a given 3- or 6-month span were maintained for a 12-month period.

Index Point Change

Finished Goods Price Index	107.5
Less previous index	104.0
Equals index point change	3.5

Index Percent Change

Index point change	3.5
Divided by the previous index	104.0
Equals	0.034
Result multiplied by 100	0.034 x 100
Equals percent change	3.4

Each index measures price changes from a reference period which equals 100.0 (1982 or some later month). An increase of 5.5 percent from the reference period in the Finished Goods Price Index, for example, is shown as 105.5. This change can also be expressed in dollars as follows: "Prices received by domestic producers of a systematic sample of finished goods have risen from \$100 in 1982 to \$105.50 to-day." Likewise, a current index of 90.0 would indicate that prices received by producers of finished goods today are 10 percent lower than they were in 1982.

Seasonally Adjusted
and Unadjusted Data

Because price data are used for different purposes by different groups, the Bureau of Labor Statistics publishes seasonally adjusted as well as unadjusted changes each month.

Seasonally adjusted data are preferred for analyzing general price trends in the economy because they eliminate the effect of changes that normally occur at about the same time and in about the same magnitude every year-such as price movements resulting from normal weather patterns, regular production and marketing cycles, model changeovers, seasonal discounts, and holidays. For these reasons, seasonally adjusted data more clearly reveal underlying cyclical trends.

Unadjusted data are of primary interest to users who need information which can be related to actual dollar values of transactions. Individuals requiring this information include marketing specialists, purchasing agents, budget and cost analysts, contract specialists, and commodity traders. It is the unadjusted data that are generally cited in escalating long-term contracts such as purchasing agreements or real estate leases. (See Escalation and Producer Price Indexes: A Guide for Contracting Parties, BLS Report 807, September 1991, available on request from BLS.)

For more information, see "Appendix A: Seasonal Adjustment Methodology at BLS," in the BLS Handbook of Methods (September 1992), Bulletin 2414.