

News

United States
Department
of Labor



Bureau of Labor Statistics

Washington, D.C. 20212

FOR DATA ONLY: (202) 691-5200
FOR TECHNICAL INFORMATION:
(202) 691-7705

MEDIA CONTACT: (202) 691-5902

<http://www.bls.gov/ppi>

USDL 03-546

TRANSMISSION OF MATERIAL IN
THIS RELEASE IS EMBARGOED
UNTIL 8:30 A.M. (EDT), FRIDAY,
OCTOBER 10, 2003

Producer Price Indexes -- September 2003

The Bureau of Labor Statistics of the U.S. Department of Labor reported today that the seasonally adjusted Producer Price Index for Finished Goods gained 0.3 percent in September. This increase followed a 0.4-percent advance in August and a 0.1-percent rise in July. The index for finished goods other than foods and energy showed no change in September, compared with a 0.1-percent increase in the preceding month. At the earlier stages of processing, prices received by manufacturers of intermediate goods fell 0.1 percent, after a 0.5-percent gain in August. The index for crude materials turned up 3.4 percent in September, following a 1.4-percent decrease in the prior month. (See table A.)

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

Month	Finished goods					Inter- mediate goods	Crude goods
	Total	Foods	Energy	Except foods and energy	Change in finished goods from 12 months ago (unadj.)		
2002							
Sept.	0.3	-0.4	1.2	0.3	-1.8	0.5	2.2
Oct.	.8	.4	3.4	.3	.7	.7	2.2
Nov.	-.3	.4	-1.6	-.1	1.0	-.1	3.7
Dec.	-.3	.4	.2	-.6	1.2	-.1	2.0
2003							
Jan.	1.4	1.9	4.6	.3	2.5	1.2	7.6
Feb.	1.1	.4	7.4	-.1	3.3	2.0	5.2
Mar.	1.4	.2	5.4	.7	4.0	2.1	13.0
Apr.	-1.7	.8	-8.1	-.7	2.4	-2.3	-15.8
May	-.4	r .1	r -2.9	r .1	2.5	-.7	r 1.4
June	r .6	r .3	r 3.3	-.1	2.9	.5	r 4.6
July	.1	-.2	.3	.2	3.0	.2	-2.9
Aug.	.4	.7	1.2	.1	3.4	.5	-1.4
Sept.	.3	1.2	.1	0	3.5	-.1	3.4

r=revised. Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for May 2003 have been revised to reflect the availability of late reports and corrections by respondents.

Most of the September increase in the index for finished goods was due to prices for finished consumer foods, which rose 1.2 percent compared with a 0.7-percent increase in August. Prices for finished consumer goods other than foods and energy advanced at a 0.1-percent rate for the third consecutive month. The finished energy goods index inched up 0.1 percent in September, following a 1.2-percent climb in the prior month. Alternatively, prices for capital equipment decreased 0.1 percent, after rising 0.1 percent in August.

During the third quarter of 2003, the finished goods index increased at a 3.4-percent seasonally adjusted annual rate, after falling at a 5.9-percent rate during the second quarter of 2003. The index for finished goods other than foods and energy climbed at a 1.3-percent seasonally adjusted annual rate during the third quarter of 2003, compared with a 2.4-percent rate of decline during the second quarter of 2003. Among prices for raw and partially processed goods, the intermediate goods index advanced at a 2.1-percent seasonally adjusted annual rate during the third quarter of 2003, following a 9.9-percent rate of decline from March to June. Crude goods prices decreased at a 4.1-percent seasonally adjusted annual rate from June to September, compared with a 36.4-percent rate of decrease in the preceding quarter. (See summary below.)

Summary of December-to-December, 9-month, and 3-month seasonally adjusted annual rates for selected stages of processing

Grouping	Percentage change 12 months ended in December			Seasonally adjusted annual rate for:			
	2000	2001	2002	9 months ended	3 months ended	3 months ended	3 months ended
				September 2003	March 2003	June 2003	September 2003
Finished goods	3.6	-1.6	1.2	4.3	16.8	-5.9	3.4
Finished consumer foods	1.7	1.8	-6	7.3	10.1	5.1	6.8
Finished energy goods	16.6	-17.1	12.3	14.8	96.8	-27.8	6.5
Finished goods less foods and energy	1.3	.9	-.5	.8	3.5	-2.4	1.3
Finished consumer goods, excluding foods and energy	1.4	1.5	-.5	.8	4.1	-3.0	1.3
Capital equipment	1.2	0	-.6	.9	2.9	-1.7	1.4
Intermediate materials, supplies, and components	4.1	-4.0	3.2	4.3	23.4	-9.9	2.1
Intermediate foods and feeds	3.6	.3	4.2	9.6	8.0	12.4	8.6
Intermediate energy goods	19.0	-16.9	12.0	14.6	149.0	-42.8	5.6
Intermediate materials less foods and energy	1.6	-1.6	1.5	2.0	6.0	-.9	.9
Materials for nondurable manufacturing	4.1	-5.5	4.2	4.9	28.1	-8.6	-1.5
Materials for durable manufacturing	.2	-4.0	3.1	2.4	1.6	.6	5.1
Materials and components for construction	.1	0	.8	3.0	2.4	1.1	5.6
Crude materials for further processing	35.5	-32.5	24.7	17.8	168.1	-36.4	-4.1
Foodstuffs and feedstuffs	7.4	-7.6	4.5	20.3	18.0	10.1	34.2
Crude energy materials	85.6	-52.9	61.5	18.3	579.4	-61.3	-37.0
Crude nonfood materials less energy	-5.5	-9.9	12.6	12.1	19.0	-9.4	30.7

NOTE: Late reports and corrections by respondents may cause some indexes to change 4 months after original publication. In addition, seasonally adjusted indexes may be revised for 5 years due to the recalculation of seasonal factors each January.

Before seasonal adjustment, the Producer Price Index for Finished Goods increased 0.3 percent in September to 143.9 (1982=100). From September 2002 to September 2003, prices for finished goods increased 3.5 percent. During the same period, the index for finished energy goods advanced 12.9 percent, the index for finished consumer foods gained 6.6 percent, and prices for finished goods other than foods and energy edged up 0.1 percent. At the earlier stages of processing, prices received by manufacturers of intermediate goods increased 3.7 percent for the 12 months ended in September 2003, while the crude goods index ascended 22.3 percent.

Finished goods

Prices for finished consumer foods rose at a faster rate in September than in August, rising 1.2 percent after increasing 0.7 percent in the preceding month. The index for fresh and dry vegetables jumped 20.7 percent in September, compared with a 4.3-percent advance in the prior month. Prices for beef and veal and eggs for fresh use also rose at a faster rate in September than they did in August. The indexes for pork, soft drinks, bakery products, and processed turkeys turned up in September. Alternatively, the index for fresh fruits and melons dropped 1.9 percent in September, after posting an increase of 7.1 percent in the previous month. Prices for shortening and cooking oils also turned down, after rising in August. September prices for processed young chickens fell more quickly than they did a month earlier, while prices for dairy products rose less in September than in August. During the third quarter of 2003, the index for finished consumer foods increased at a 6.8-percent seasonally adjusted annual rate, after advancing at a 5.1-percent rate in the second quarter of 2003.

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

Month	Intermediate goods				Crude goods			
	Foods	Energy	Except foods and energy	Change in intermediate goods from 12 months ago (unadj.)	Foods	Energy (unadj.)	Except foods and energy	Change in crude goods from 12 months ago (unadj.)
2002								
Sept.	1.1	2.2	0.1	-0.6	1.3	4.6	-0.2	3.1
Oct.	-0.3	3.4	.2	1.6	.2	5.1	.3	15.4
Nov.	.5	-1.2	.1	2.4	1.1	7.8	1.4	13.7
Dec.	1.0	-.5	-.1	3.2	1.3	3.3	.2	24.7
2003								
Jan.	1.5	5.6	.4	4.5	5.3	13.0	1.3	28.7
Feb.	.7	7.9	.7	6.6	.7	9.9	3.4	36.7
Mar.	-0.3	10.2	.4	8.0	-1.8	30.1	-.3	46.8
Apr.	.1	-11.0	-.2	4.6	1.2	-30.7	-1.1	18.2
May	r 1.1	r -4.4	0	4.2	r 2.0	r 1.9	r -.7	19.1
June	r 1.8	r 2.1	0	4.5	r -.7	r 11.7	r -.6	29.4
July	-.4	1.3	-.1	4.4	-3.0	-4.4	.8	24.5
Aug.	.2	2.4	.1	4.4	3.7	-7.4	3.7	20.9
Sept.	2.3	-2.3	.1	3.7	7.0	.6	2.3	22.3

r=revised. Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for May 2003 have been revised to reflect the availability of late reports and corrections by respondents.

Prices for finished consumer goods other than foods and energy moved up 0.1 percent in September, the same rate of increase as in August. Rising prices for pharmaceutical preparations, mobile homes, soaps and synthetic detergents, light motor trucks, and cigarettes slightly outweighed falling prices for passenger cars, book publishing, sporting and athletic goods, floor coverings, and alcoholic beverages. From June 2003 to September 2003, the index for finished consumer goods other than foods and energy rose at a 1.3-percent seasonally adjusted annual rate, after falling at a 3.0-percent annual rate from March 2003 to June 2003.

The index for finished energy goods edged up 0.1 percent in September, after posting a 1.2-percent advance in August. Price increases for gasoline slowed from August to September -- up 6.3 and 2.2 percent, respectively. The residential electric power index also rose less in September than it did in the prior month. Prices for home heating oil and diesel fuel turned down in September. Conversely, residential natural gas prices turned up 1.6 percent, compared with a decline of 1.5 percent in August. During the third quarter of 2003, the index for finished energy goods increased at a 6.5-percent seasonally adjusted annual rate, after decreasing at a 27.8-percent rate for the second quarter of 2003.

Capital equipment prices turned down 0.1 percent in September, following a 0.1-increase in August. In September, price decreases for communication and related equipment, passenger cars, x-ray and electromedical equipment, and printing trades machinery slightly outweighed rising prices for civilian aircraft, light motor trucks, commercial furniture, tools and dies, and welding machines and equipment. From June 2003 to September 2003, capital equipment prices rose at a 1.4-percent seasonally adjusted annual rate, after a 1.7-percent rate of decline from March 2003 to June 2003.

Intermediate goods

The Producer Price Index for Intermediate Materials, Supplies, and Components inched down 0.1 percent in September, after posting a 0.5-percent gain in the previous month. Prices for both intermediate energy goods and materials for nondurable manufacturing turned down, following increases in August. By contrast, the indexes for materials and components for construction, intermediate foods and feeds, and materials for durable manufacturing rose at a faster pace in September than they did a month earlier. Excluding foods and energy, prices for intermediate goods edged up 0.1 percent, the same rate of increase as in August. (See table B.)

The index for intermediate energy goods fell 2.3 percent in September, following a 2.4-percent increase in the prior month. Diesel fuel prices dropped 17.0 percent, compared with a 2.7-percent gain in the previous month. The indexes for jet fuels, industrial natural gas, natural gas to electric utilities, residual fuel, and home heating oil also turned down, after rising in August. Gasoline prices advanced at a slower rate in September than they did a month earlier. Alternatively, the commercial electric power index moved up 2.2 percent in September, compared with a 1.0-percent increase in the preceding month. Prices for commercial natural gas rose, after showing no change in August. The intermediate energy goods index increased at a 5.6-percent seasonally adjusted annual rate during the third quarter of 2003, after declining at a 42.8-percent rate in the previous quarter.

Prices for materials for nondurable manufacturing decreased 1.2 percent in September, following a 1.1-percent rise a month earlier. The primary basic organic chemicals index declined 0.8 percent, compared with a 7.9-percent advance in the prior month. Prices for finished fabrics and for processed yarns and threads also turned down, following gains in the preceding month. Paperboard prices moved down, after showing no change in the previous month. The index for fertilizer materials increased less than it did in August. On the other hand, the index for plastic resins and materials increased 0.6 percent in September, following a 1.2-percent drop in the prior month. Prices for sulfuric acid and synthetic rubber turned up, after declining in August. The intermediate basic organic chemicals index rose more than it did in the previous month. Paper prices fell at a slower pace in September than they did a month earlier. The index for nondurable manufacturing materials declined at a 1.5-percent seasonally adjusted annual rate from June 2003 to September 2003, following an 8.6-percent rate of decrease in the second quarter of 2003.

Prices for materials and components for construction advanced 0.9 percent in September, compared with a 0.1-percent increase in the prior month. The index for softwood lumber jumped 10.2 percent, following a 0.4-percent gain in August. Prices for plywood, treated wood, and millwork also moved up at a faster rate in September than they did in the prior month. The indexes for gypsum products and plastic construction products turned up, after falling a month earlier. On the other hand, prices for concrete products declined 0.4 percent in September, following a 0.2-percent rise in the preceding month. The indexes for paving mixtures and blocks and for wiring devices also fell, after advancing in August. Prices for fabricated ferrous wire products showed no change, following an increase in the previous month. The steel mill products index rose less than it did a month earlier. Prices for materials and components for construction grew at a 5.6-percent seasonally adjusted annual rate during the third quarter of 2003, after increasing at a 1.1-percent rate during the preceding quarter.

The index for intermediate foods and feeds moved up 2.3 percent in September, following a 0.2-percent increase in the previous month. Accounting for much of this acceleration, prices for prepared animal feeds climbed 4.4 percent, compared with a 2.3-percent decrease in the prior month. The indexes for pork and confectionery materials also turned up, following declines in the previous month. Prices for fluid milk products and for beef and veal advanced at a faster pace than they did in August. By contrast, prices for crude vegetable oils dropped 2.7 percent in September, following a 3.6-percent gain in the preceding month. The indexes for natural, processed, and imitation cheese; shortening and cooking oils; flour; and refined sugar and sugar byproducts also turned down, after rising in the prior month. Prices for processed young chickens fell more than they did in August. The index for intermediate foods and feeds advanced at an 8.6-percent seasonally adjusted annual rate from June 2003 to September 2003, compared with a 12.4-percent rate of increase during the second quarter.

Prices for materials for durable manufacturing climbed 0.9 percent in September, following a 0.6-percent increase in the preceding month. The index for plywood jumped 17.1 percent, after moving up 1.9 percent a month earlier. Prices for building paper and board also rose more in September than they did in August. The indexes for copper cathode and refined copper, hot rolled steel sheet and strip, soft fiber cordage and twine (except cotton), and cement increased, following declines in the prior month. On the other hand, price increases for cold rolled steel sheet and strip slowed from 2.4 percent in August to 0.7 percent in September. The indexes for primary aluminum (except extrusion billet) and semifinished steel mill products turned down, after advancing in the previous month. Prices for aluminum mill shapes fell at a faster rate in September than they did in August. The index for hot rolled bars, plates, and structural shapes rose less than it did a month earlier. Prices for durable manufacturing materials advanced at a 5.1-percent seasonally adjusted annual rate in the third quarter of 2003, following a 0.6-percent rate of increase in the previous quarter.

Crude goods

A 3.4-percent increase in the Producer Price Index for Crude Materials for Further Processing followed a 1.4-percent decline in August. Prices for crude energy materials rose, after falling in the prior month, and the index for crude foodstuffs and feedstuffs advanced at a faster rate in September than it did in August. Conversely, price increases slowed from August to September for crude nonfood materials less energy. (See table B.)

Subsequent to a 7.4-percent drop in August, the index for crude energy materials went up 0.6 percent in September. Natural gas prices increased 5.4 percent in September, following a 13.1-percent decrease in the prior month. The coal index moved up 1.4 percent -- just outpacing the 1.3-percent gain observed in the preceding month. By contrast, crude petroleum prices fell 8.4 percent in September, after rising 1.5 percent in August. During the third quarter of 2003, the index for crude energy materials declined at a 37.0-percent seasonally adjusted annual rate, after dropping at a 61.3-percent rate during the previous calendar quarter.

Price increases for crude foodstuffs and feedstuffs accelerated in September; a 7.0-percent gain followed a 3.7-percent advance in August. The index for slaughter cattle climbed 11.0 percent, compared with a 6.1-percent increase in the prior month. Prices for fresh and dry vegetables and unprocessed finfish also rose at a quicker pace in September. The indexes for corn, soybeans, and slaughter turkeys turned up, after falling in August. Conversely, wheat prices moved down 2.6 percent in September, following an 11.6-percent jump in the preceding month. The indexes for slaughter broilers and fryers and for fresh fruits and melons also went down, after advancing in August. Prices for fluid milk and slaughter hogs rose less than they did in the previous month. After moving up at a 10.1-percent seasonally adjusted annual rate during the second quarter of 2003, prices for crude foodstuffs and feedstuffs increased at a 34.2-percent rate during the June to September period.

Prices for basic industrial materials went up 2.3 percent, following a 3.7-percent rise in August. The index for iron and steel scrap climbed 4.8 percent in September, after posting an 8.8-percent gain a month earlier. Prices for hides and skins, copper base scrap, and for softwood logs, bolts, and timber also increased at a slower rate in September. The indexes for aluminum base scrap and phosphates moved down, following August advances. On the other hand, raw cotton prices increased 5.6 percent in September, compared with a 7.7-percent decline in the previous month. The indexes for gold ores; construction sand, gravel, and crushed stone; pulpwood; and wastepaper rose more than they did in August. For the calendar quarter ended September 2003, the index for crude nonfood materials less energy increased at a 30.7-percent seasonally adjusted annual rate, which followed a 9.4-percent rate of decrease in the calendar quarter ended June 2003.

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

Mining. The Producer Price Index for the Net Output of Total Mining Industries rose 0.8 percent in September, after declining 6.0 percent in August. (Net output price indexes are not seasonally adjusted.) Prices received by the natural gas liquids and natural gas residue industry turned up 3.3 percent, following a 10.7-percent drop in the preceding month. The indexes for the crude petroleum and natural gas industry and for rock salt fell less in September than they did in August. Prices received by the industries for gold ores and for crushed and broken limestone rose at a faster rate than they did a month earlier. Alternatively, the industry index for oil and gas well drilling declined 1.2 percent in September, after increasing 1.8 percent in the previous month. The indexes for the bituminous coal underground mining and potash, soda, and borate minerals industries increased more slowly in September than they did in August. For the three months ended in September 2003, the index for the net output of total mining industries fell at a 30.7-percent seasonally adjusted annual rate, after decreasing at a 55.3-percent rate in the prior quarter. In September, this index was 126.2 (December 1984 = 100), 26.1 percent above its year-ago level.

Manufacturing. The Producer Price Index for the Net Output of Total Manufacturing Industries edged up 0.1 percent in September, after climbing 0.4 percent in August. Prices rose in September for the following industry groups: food and kindred products, lumber and wood products (except furniture), fabricated metal products (except machinery and transportation equipment), primary metals, and printing and publishing. These increases slightly outweighed price declines for petroleum refining and related products; transportation equipment; electrical and electronic machinery, equipment, and supplies; non-electrical machinery; and rubber and miscellaneous plastic products. From June 2003 to September 2003, the index for the net output of total manufacturing industries rose at a 2.7-percent seasonally adjusted annual rate, after decreasing at a 7.0-percent rate in the second quarter of 2003. In September, this index was 137.1 (December 1984 = 100), 1.6 percent above its year-ago level.

Services. Among service industries, prices received by the industries for property and casualty insurance, legal services, life insurance carriers, television broadcasting, and offices of physicians increased in September. On the other hand, the industry indexes for hotels and motels; telephone communications (except radiotelephone); security brokers, dealers, and investment banking companies; and cable and other pay television services declined in September.

Producer Price Index data for October 2003 will be released on Friday, November 14, 2003, at 8:30 a.m. (EST).

NAICS Conversion

The net output price indexes will be converted from the 1987 Standard Industrial Classification (SIC) basis to the 2002 North American Industry Classification System (NAICS) basis with the February 2004 release of January 2004 indexes. The NAICS conversion involves major definitional changes to many of the currently published SIC-based indexes. After the conversion to NAICS, SIC-based indexes will no longer be produced or published. Historical index data based on the NAICS publication structure will be available depending on the scope of the definitional changes between SIC and NAICS.

For more information contact the Division of Industrial Prices and Price Indexes, Section of Index Analysis and Public Information at ppi-info@bls.gov or (202) 691-7705.

Technical Note

Brief Explanation of Producer Price Indexes

The term Producer Price Index (PPI) refers to a family of indexes that measure the average change over time in the selling prices received by domestic producers of goods and services. PPIs measure price change from the perspective of the seller. This contrasts with other measures, such as the Consumer Price Index (CPI); CPIs measure price change from the purchaser's perspective. Sellers' and purchasers' prices may differ due to government subsidies, sales and excise taxes, and distribution costs.

More than 10,000 PPIs for individual products and groups of products are released each month. PPIs are available for the products of virtually every industry in the mining and manufacturing sectors of the U.S. economy. New PPIs are gradually being introduced for the products of industries in the transportation, utilities, trade, finance, and services sectors of the economy.

More than 100,000 price quotations per month are organized into three sets of producer price indexes: (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, 2, and 5) organizes products by class of buyer and degree of fabrication. 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). 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. The Bureau publishes price indexes instead of unit dollar prices. 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.

The BLS periodically updates the PPI sample of survey respondents to better reflect current conditions when the structure, membership, technology, or product mix of an industry shifts significantly and to spread reporting burden among smaller firms. Results of these resampling efforts are incorporated into the PPI every January and July.

As part of an ongoing effort to expand coverage to sectors of the economy other than mining and manufacturing, an increasing number of service sector industries have been introduced into the PPI. The following list of recently introduced service industries includes the month in which an article describing the industry's content appeared in the *PPI Detailed Report*:

<i>Industry</i>	<i>SIC</i>	<i>PPI Detailed Report Issue</i>
Wireless Telecommunications.....	4812	July 1999
Telephone Communications, Except Radio Telephone.....	4813	July 1995
Television Broadcasting	4833	July 2002
Grocery Stores.....	5411	July 2000
Meat and Fish (Seafood) Markets	5421	July 2000
Fruit and Vegetable Markets.....	5431	July 2000
Candy, Nut, and Confectionery Stores.....	5441	July 2000
Retail Bakeries.....	5461	July 2000
Miscellaneous Food Stores.....	5499	July 2000
New Car Dealers.....	5511	July 2000
Gasoline Service Stations.....	5541	January 2002
Boat Dealers.....	5551	January 2002
Recreational Vehicle Dealers.....	5561	January 2002
Miscellaneous Retail.....	59	January 2001
Security Brokers, Dealers, and Investment Bankers.....	6211	January 2001
Investment Advice.....	6282	January 2003
Life Insurance Carriers.....	6311	January 1999
Property and Casualty Insurance.....	6331	July 1998
Insurance Agencies and Brokerages.....	6412	January 2003
Operators and Lessors of Nonresidential Buildings.....	6512	January 1996
Real Estate Agents and Managers.....	6531	January 1996
Prepackaged Software.....	7372	January 1998
Data Processing Services.....	7374	January 2002
Home Health Care Services.....	8082	January 1997
Legal Services.....	8111	January 1997
Engineering Design, Analysis, and Consulting Services.....	8711	January 1997
Architectural Design, Analysis, and Consulting Services...	8712	January 1997
Premiums for Property and Casualty Insurance.....	9331	July 1998

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 1992 values of shipments as reported in the *Census of Manufactures* and other sources. From January 1992 through December 1995, PPI weights were derived from 1987 shipment values. Industry indexes shown in table 4 are also now calculated with 1992 net output weights. This periodic update of the value weights used to calculate the PPI is done to more accurately reflect changes in production and marketing patterns in the economy.

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.

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. 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 14, "Producer Prices," in *BLS Handbook of Methods* (April 1997), Bulletin 2490. Reprints are available from the Bureau of Labor Statistics on request.

Calculating Index Changes

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 today." 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.

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 changes are affected by the level of the index in relation to its base period, whereas percent changes are not. The example below shows the computation of index point and percent changes.

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

Seasonally Adjusted and Unadjusted Data

Because price data are used for different purposes by different groups, the Bureau of Labor Statistics publishes seasonally adjusted and 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 that 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 (1) "Appendix A: Seasonal Adjustment Methodology at BLS," in the *BLS Handbook of Methods* (April 1997), Bulletin 2490 and (2) "Summary of Changes to the PPI's Seasonal Adjustment Methodology" in the January 1995 issue of *Producer Price Indexes*.

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

Grouping	Relative importance	Unadjusted index			Unadjusted percent change to Sept.2003 from:		Seasonally adjusted percent change from:			
		Dec.	May	Aug.	Sept.	Sept.	Aug.	June to	July to	Aug. to
		2002 1/	2003 2/	2003 2/	2003 2/	2002	2003	July	Aug.	Sept.
Finished goods.....	100.000	142.0	143.5	143.9	3.5	0.3	0.1	0.4	0.3	
Finished consumer goods.....	73.339	143.7	145.7	146.3	4.5	.4	.1	.6	.3	
Finished consumer foods.....	20.672	144.6	146.2	147.9	6.6	1.2	-2	.7	1.2	
Crude.....	1.333	133.1	127.8	136.8	15.0	7.0	1.0	5.6	5.5	
Processed.....	19.339	145.5	147.7	148.8	6.1	.7	-.3	.3	.8	
Finished consumer goods, excluding foods.....	52.667	143.0	145.1	145.3	3.6	.1	.1	.5	.1	
Nondurable goods less foods.....	36.364	146.3	149.7	150.2	5.2	.3	.2	.5	.1	
Durable goods.....	16.303	132.4	131.6	131.1	0	-.4	.2	.2	-.1	
Capital equipment.....	26.661	139.0	139.3	139.1	.6	-.1	.4	.1	-.1	
Manufacturing industries.....	7.839	139.5	140.5	140.4	.5	-.1	.4	.1	0	
Nonmanufacturing industries.....	18.822	138.8	138.8	138.5	.6	-.2	.3	.1	-.1	
Intermediate materials, supplies, and components.....	100.000	132.5	134.0	134.1	3.7	.1	.2	.5	-.1	
Materials and components for manufacturing.....	46.896	129.3	130.0	129.8	2.3	-.2	-.2	.5	-.2	
Materials for food manufacturing.....	2.918	130.8	135.5	137.1	10.7	1.2	-.7	1.3	1.2	
Materials for nondurable manufacturing.....	14.707	137.0	137.9	136.3	3.7	-1.2	-.3	1.1	-1.2	
Materials for durable manufacturing.....	9.136	126.8	127.9	128.9	2.4	.8	-.2	.6	.9	
Components for manufacturing.....	20.136	126.1	125.9	125.9	0	0	.1	-.1	0	
Materials and components for construction.....	12.772	152.9	153.8	155.1	2.0	.8	.3	.1	.9	
Processed fuels and lubricants.....	16.110	108.0	113.6	113.3	12.6	-.3	.9	2.0	-1.6	
Manufacturing industries.....	6.430	113.2	118.2	117.4	15.7	-.7	1.5	1.8	-1.3	
Nonmanufacturing industries.....	9.680	104.8	110.7	110.7	10.6	0	.5	2.0	-1.7	
Containers.....	3.248	153.9	153.6	153.6	.7	0	-.1	-.1	0	
Supplies.....	20.974	141.5	141.4	141.7	1.5	.2	.1	-.1	.2	
Manufacturing industries.....	4.589	146.8	147.0	146.7	1.3	-.2	.1	0	-.2	
Nonmanufacturing industries.....	16.385	139.0	138.8	139.2	1.5	.3	.1	-.2	.3	
Feeds.....	1.097	104.6	101.8	107.4	3.1	5.5	.4	-2.8	5.5	
Other supplies.....	15.288	143.2	143.3	143.3	1.4	0	.1	-.1	0	
Crude materials for further processing.....	100.000	130.9	131.4	135.6	22.3	3.2	-2.9	-1.4	3.4	
Foodstuffs and feedstuffs.....	38.685	111.0	111.5	118.7	17.9	6.5	-3.0	3.7	7.0	
Nonfood materials.....	61.315	142.4	142.9	144.5	25.2	1.1	-2.9	-4.2	1.1	
Nonfood materials except fuel 3/.....	33.142	109.2	117.0	114.6	5.8	-2.1	.1	2.7	-2.1	
Manufacturing 3/.....	32.295	100.3	107.6	105.3	5.9	-2.1	.1	2.8	-2.1	
Construction.....	0.847	180.5	179.7	181.3	-.5	.9	-.3	1.0	.9	
Crude fuel 4/.....	28.173	183.7	171.8	180.1	56.1	4.8	-5.8	-11.2	4.8	
Manufacturing industries.....	2.540	174.7	163.6	171.3	53.6	4.7	-5.8	-10.8	4.7	
Nonmanufacturing industries.....	25.633	187.9	175.7	184.1	56.1	4.8	-5.9	-11.2	4.8	
Special groupings										
Finished goods, excluding foods.....	5/ 79.328	141.1	142.6	142.6	2.6	0	.3	.4	0	
Intermediate materials less foods and feeds.....	6/ 95.985	133.1	134.6	134.5	3.5	-.1	.1	.6	-.3	
Intermediate foods and feeds.....	6/ 4.015	122.8	125.1	128.0	8.5	2.3	-.4	.2	2.3	
Crude materials less agricultural products 3/ 7/.....	8/ 59.316	145.0	145.0	146.4	25.6	1.0	-3.1	-4.6	1.0	
Finished energy goods.....	5/ 14.951	98.9	104.3	105.0	12.9	.7	.3	1.2	.1	
Finished goods less energy.....	5/ 85.049	148.3	148.7	149.0	1.8	.2	.1	.3	.3	
Finished consumer goods less energy.....	5/ 58.388	152.3	152.7	153.3	2.3	.4	0	.3	.5	
Finished goods less foods and energy.....	5/ 64.377	150.0	149.9	149.7	.1	-.1	.2	.1	0	
Finished consumer goods less foods and energy....	5/ 37.716	157.4	157.0	156.9	-.1	-.1	.1	.1	.1	
Consumer nondurable goods less foods and energy..	5/ 21.413	177.6	177.6	177.8	-.3	.1	.1	.1	.1	
Intermediate energy goods.....	6/ 16.468	107.1	113.5	112.4	12.0	-1.0	1.3	2.4	-2.3	
Intermediate materials less energy.....	6/ 83.532	137.5	137.7	138.0	2.0	.2	-.1	.1	.3	
Intermediate materials less foods and energy.....	6/ 79.517	138.5	138.6	138.8	1.7	.1	-.1	.1	.1	
Crude energy materials 3/.....	8/ 41.909	141.4	139.9	140.7	32.9	.6	-4.4	-7.4	.6	
Crude materials less energy.....	8/ 58.093	120.0	121.7	127.9	15.6	5.1	-1.8	3.7	5.5	
Crude nonfood materials less energy 4/.....	8/ 19.406	146.5	152.0	155.5	11.1	2.3	.8	3.7	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.
2/ The indexes for May 2003 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 Sept.2003 from:		Seasonally adjusted percent change from:		
		May 2003 1/	Aug. 2003 1/	Sept. 2003 1/	Sept. 2002	Aug. 2003	June to July	July to Aug.	Aug. to Sept.
	FINISHED GOODS.....	142.0	143.5	143.9	3.5	0.3	0.1	0.4	0.3
	FINISHED CONSUMER GOODS.....	143.7	145.7	146.3	4.5	.4	.1	.6	.3
	FINISHED CONSUMER FOODS.....	144.6	146.2	147.9	6.6	1.2	-.2	.7	1.2
01-11	Fresh fruits and melons 2/.....	89.9	84.3	82.7	-9.4	-1.9	.6	7.1	-1.9
01-13	Fresh and dry vegetables 2/.....	146.2	125.6	151.6	31.6	20.7	-4.1	4.3	20.7
01-71-07	Eggs for fresh use (Dec. 1991=100).....	83.1	114.4	111.1	42.6	-2.9	8.2	3.2	5.2
02-11	Bakery products 2/.....	195.4	195.1	195.4	2.7	.2	.2	-.1	.2
02-13	Milled rice 2/.....	99.1	105.9	111.9	33.9	5.7	2.2	4.7	5.7
02-14-02	Pasta products (June 1985=100) 2/.....	126.5	126.5	127.0	4.5	.4	0	0	.4
02-21-01	Beef and veal 2/.....	129.6	135.6	141.3	25.8	4.2	-5.6	3.8	4.2
02-21-04	Pork.....	116.5	117.7	116.8	14.5	-.8	-4.0	-3.7	4.6
02-22-03	Processed young chickens.....	117.1	123.1	124.9	13.6	1.5	2.1	-.3	-1.6
02-22-06	Processed turkeys.....	89.3	89.7	93.6	-2.1	4.3	1.0	-.7	2.0
02-23	Finfish and shellfish.....	199.7	194.3	195.7	1.9	.7	-2.1	.8	.5
02-3	Dairy products.....	134.1	143.6	147.5	10.2	2.7	3.4	2.4	2.0
02-4	Processed fruits and vegetables 2/.....	133.6	133.0	132.8	-.2	-.2	.2	-.4	-.2
02-55	Confectionery end products 2/.....	183.0	184.0	183.9	5.4	-.1	.5	0	-.1
02-62	Soft drinks.....	152.7	152.2	152.5	.7	.2	0	-.3	.4
02-63-01	Roasted coffee 2/.....	127.5	127.8	127.7	5.1	-.1	-.1	.1	-.1
02-78	Shortening and cooking oils 2/.....	157.9	159.5	156.7	7.0	-1.8	-.3	.5	-1.8
	FINISHED CONSUMER GOODS EXCLUDING FOODS.....	143.0	145.1	145.3	3.6	.1	.1	.5	.1
02-61	Alcoholic beverages.....	148.9	148.6	148.3	.9	-.2	.1	-.2	-.1
03-81-01	Women's apparel 2/.....	124.5	122.3	122.3	-.6	0	0	.1	0
03-81-02	Men's and boys' apparel 2/.....	126.9	126.9	126.8	-.9	-.1	-.2	.4	-.1
03-81-03	Girls', children's, and infants' apparel 2/.....	119.2	120.6	120.2	.7	-.3	0	.5	-.3
03-82	Textile housefurnishings 2/.....	122.4	122.1	122.2	0	-.1	-.6	.6	.1
04-3	Footwear 2/.....	147.3	147.6	147.5	1.1	-.1	-.1	0	-.1
05-41	Residential electric power (Dec. 1990=100).....	117.1	123.8	124.1	3.8	.2	-.3	.5	.1
05-51	Residential gas (Dec. 1990=100).....	169.6	168.1	170.2	29.5	1.2	0	-1.5	1.6
05-71	Gasoline.....	94.5	106.4	109.9	21.7	3.3	3.6	6.3	2.2
05-73-02-01	Fuel oil No. 2.....	82.9	91.6	85.1	-1.5	-7.1	1.7	1.6	-14.3
06-38	Pharmaceutical preparations (June 2001=100) 2/.....	106.8	107.8	108.2	4.7	.4	.6	.3	.4
06-71	Soaps and synthetic detergents 2/.....	129.5	130.1	130.9	.5	.6	.5	0	.6
06-75	Cosmetics and other toilet preparations 2/.....	140.6	140.4	140.5	.6	.1	.1	0	.1
07-12	Tires, tubes, tread, etc 2/.....	97.6	98.0	98.3	3.1	.3	.6	-.1	.3
09-15-01	Sanitary papers and health products 2/.....	150.6	150.2	150.3	.4	.1	-.2	.2	.1
09-31-01	Newspaper circulation 2/.....	229.9	229.9	230.3	1.9	.2	0	0	.2
09-32-01	Periodical circulation.....	220.6	220.7	220.1	4.0	-.3	.3	-.3	-.1
09-33	Book publishing.....	242.3	244.8	243.5	2.9	-.5	.6	.2	-.7
12-1	Household furniture.....	158.2	158.2	158.0	.4	-.1	.1	-.1	-.1
12-3	Floor coverings 2/.....	132.6	134.7	134.0	2.1	-.5	.6	-.1	-.5
12-4	Household appliances 2/.....	102.5	101.8	101.7	-2.6	-.1	-.2	-.3	-.1
12-5	Home electronic equipment 2/.....	67.9	67.0	66.9	-2.8	-.1	-.9	0	-.1
12-62	Household glassware.....	169.2	169.1	167.8	-1.2	-.8	.1	.1	-.7
12-64	Household flatware 2/.....	145.2	145.2	145.2	0	0	0	0	0
12-66	Lawn and garden equip., ex. tractors 2/.....	133.4	132.0	131.9	-1.5	-.1	.5	-1.5	-.1
14-11-01	Passenger cars.....	129.1	126.3	125.1	-.1	-1.0	.4	-.3	-.5
15-11	Toys, games, and children's vehicles 2/.....	125.0	125.0	125.1	.2	.1	0	0	.1
15-12	Sporting and athletic goods 2/.....	125.1	124.1	123.4	-1.6	-.6	-.6	-.4	-.6
15-2	Tobacco products 2/.....	429.7	429.7	430.3	-7.8	.1	0	0	.1
15-5	Mobile homes 2/.....	168.7	169.7	171.4	2.6	1.0	.2	.3	1.0
15-94-02	Jewelry, platinum, & karat gold 2/.....	131.5	131.6	132.2	1.6	.5	-.3	.1	.5
15-94-04	Costume jewelry and novelties 2/.....	144.8	144.8	144.8	.3	0	0	.3	0
	CAPITAL EQUIPMENT.....	139.0	139.3	139.1	.6	-.1	.4	.1	-.1
11-1	Agricultural machinery and equipment 2/.....	160.3	160.1	160.2	.8	.1	.1	-.3	.1
11-2	Construction machinery and equipment.....	153.4	153.6	153.8	1.5	.1	.1	.1	.1
11-37	Metal cutting machine tools 2/.....	150.8	150.5	150.5	-2.1	0	.1	.1	0
11-38	Metal forming machine tools 2/.....	167.3	167.7	167.9	.4	.1	.2	0	.1
11-39	Tools, dies, jigs, fixtures, and ind. molds 2/.....	139.4	139.2	139.6	-.7	.3	.4	0	.3
11-41	Pumps, compressors, and equipment.....	162.7	163.7	163.3	1.1	-.2	-.1	.4	-.2
11-44	Industrial material handling equipment 2/.....	137.7	138.2	138.2	.9	0	.2	-.1	0
11-51	Electronic computers (Dec. 1998=100) 2/.....	34.8	33.4	33.4	-17.5	0	-1.7	-1.5	0
11-62	Textile machinery 2/.....	157.0	157.9	158.1	.8	.1	0	0	.1
11-64	Paper industries machinery (June 1982=100).....	170.3	170.3	170.3	.5	0	-.2	.1	.1
11-65	Printing trades machinery 2/.....	142.1	143.2	142.6	-1.0	-.4	-.7	-.3	-.4
11-74	Transformers and power regulators 2/.....	131.6	132.3	132.3	.7	0	.7	0	0
11-76	Communication & related equip. (Dec. 1985=100) 2/.....	106.1	105.5	104.9	-2.3	-.6	.4	-.9	-.6
11-79-05	X-ray and electromedical equipment 2/.....	100.9	100.5	100.3	-.7	-.2	-.8	-.3	-.2
11-91	Oil field and gas field machinery.....	139.6	140.2	140.1	3.0	-.1	.3	.2	.1
11-92	Mining machinery and equipment 2/.....	154.7	154.7	154.8	1.8	.1	0	0	.1
11-93	Office and store machines and equipment 2/.....	112.1	114.2	114.1	1.7	-.1	1.8	.1	-.1
12-2	Commercial furniture 2/.....	162.4	162.6	162.7	.7	.1	-.1	.1	.1
14-11-05	Light motor trucks.....	147.1	145.6	144.0	-.1	-1.1	.5	.8	.1
14-11-06	Heavy motor trucks 2/.....	154.0	154.3	154.3	.7	0	.1	-.1	0
14-14	Truck trailers 2/.....	139.5	139.5	139.5	.9	0	-.1	.1	0
14-21-02	Civilian aircraft (Dec. 1985=100).....	176.9	183.8	184.2	6.8	.2	1.3	1.3	.2
14-31	Ships (Dec. 1985=100) 2/.....	158.2	158.2	159.3	5.7	.7	0	0	.7
14-4	Railroad equipment 2/.....	136.3	136.5	136.9	1.7	.3	1.0	-.9	.3
	INTERMEDIATE MATERIALS, SUPPLIES, AND COMPONENTS.....	132.5	134.0	134.1	3.7	.1	.2	.5	-.1
	INTERMEDIATE FOODS AND FEEDS.....	122.8	125.1	128.0	8.5	2.3	-.4	.2	2.3
02-12-03	Flour 2/.....	125.5	124.6	122.9	-.7	-1.4	-1.1	1.1	-1.4
02-53	Refined sugar and byproducts 2/.....	122.3	123.2	120.6	1.4	-2.1	-.2	.2	-2.1
02-54	Confectionery materials 2/.....	125.3	124.1	125.1	1.5	.8	.2	-.4	.8
02-72	Crude vegetable oils 2/.....	113.4	142.7	138.8	37.0	-2.7	-1.2	3.6	-2.7
02-9	Prepared animal feeds 2/.....	111.1	108.8	113.6	2.6	4.4	.5	-2.3	4.4
	INTERMEDIATE MATERIALS LESS FOODS AND FEEDS.....	133.1	134.6	134.5	3.5	-.1	.1	.6	-.3
03-1	Synthetic fibers 2/.....	106.9	106.9	106.4	-.2	-.5	-.2	.2	-.5
03-2	Processed yarns and threads 2/.....	103.8	103.7	103.5	1.1	-.2	-.2	.4	-.2
03-3	Gray fabrics 2/.....	112.2	110.6	110.1	-2.1	-.5	-.4	-.5	-.5
03-4	Finished fabrics.....	120.3	121.2	121.1	.2	-.1	-.5	.7	-.2
03-83-03	Industrial textile products 2/.....	130.8	130.7	130.9	-.1	.2	-.2	-.3	.2
04-2	Leather 2/.....	211.1	211.8	213.4	2.7	.8	1.1	0	.8
05-32	Liquefied petroleum gas 2/.....	135.2	142.8	138.1	14.2	-3.3	-4.7	-.1	-3.3

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 Sept.2003 from:		Seasonally adjusted percent change from:		
		May 2003 1/	Aug. 2003 1/	Sept. 2003 1/	Sept. 2002	Aug. 2003	June 2003	July 2003	Aug. 2003
	INTERMEDIATE MATERIALS LESS FOODS AND FEEDS								
	-Continued.....								
05-42	Commercial electric power.....	137.9	146.0	149.0	3.5	2.1	0	1.0	2.2
05-43	Industrial electric power.....	145.1	152.0	152.2	4.4	1	.8	.6	.3
05-52	Commercial natural gas (Dec. 1990=100).....	170.9	171.7	172.7	31.3	.6	-.8	0	.3
05-53	Industrial natural gas (Dec. 1990=100).....	178.0	177.4	177.6	33.8	1	-7	2.2	-.8
05-54	Natural gas to electric utilities (Dec. 1990=100).....	146.4	143.6	140.9	41.2	-1.9	-4.3	7.8	-.5
05-72-03	Jet fuels.....	75.5	80.8	74.6	-8.7	-7.7	-1.0	.2	-17.4
05-73-03	No. 2 Diesel fuel.....	87.9	96.6	91.1	-1.3	-5.7	2.8	2.7	-17.0
05-74	Residual fuel 2/.....	84.1	121.5	103.3	20.3	-15.0	44.6	5.3	-15.0
06-1	Industrial chemicals 2/.....	140.6	141.2	139.5	7.1	-1.2	-1.1	1.3	-1.2
06-21	Prepared paint.....	170.6	171.6	171.4	2.3	-1	.6	1	-.2
06-22	Paint materials 2/.....	173.2	173.4	172.9	.8	-3	-.2	-.2	-.3
06-31	Medicinal and botanical chemicals 2/.....	135.4	135.2	135.1	1.2	-1	-.4	.2	-.1
06-4	Fats and oils, inedible.....	112.7	110.9	112.6	12.8	1.5	-2.8	-3.6	-4.2
06-51	Mixed fertilizers.....	120.0	119.7	120.1	5.1	.3	0	.3	.5
06-52-01	Nitrogenates.....	153.2	145.3	147.5	40.6	1.5	-.5	3.8	2.2
06-52-02	Phosphates 2/.....	113.7	110.6	110.3	9.1	-3	-.8	2.5	-.3
06-53	Other agricultural chemicals 2/.....	148.3	148.5	148.2	-.3	-2	0	0	-.2
06-6	Plastic resins and materials.....	152.4	145.3	144.8	5.9	-3	-2.7	-1.2	.6
07-11-02	Synthetic rubber 2/.....	128.0	127.6	127.9	5.4	.2	-.3	-.5	.2
07-21	Plastic construction products.....	140.2	137.2	137.8	-1.9	.4	-1.5	-.2	.7
07-22	Unsupported plastic film, sheet, & other shapes 2/.....	146.1	145.3	143.8	4.8	-1.0	0	.4	-1.0
07-26	Plastic parts and components for manufacturing 2/.....	116.1	116.2	116.2	0	0	-.2	0	0
08-11	Softwood lumber.....	163.1	171.7	184.5	8.8	7.5	4.6	.4	10.2
08-12	Hardwood lumber.....	188.6	192.1	193.1	8.0	.5	.7	.3	.5
08-2	Millwork.....	180.9	182.3	183.6	1.8	.7	.4	-.1	.8
08-3	Plywood 2/.....	145.4	165.1	193.4	29.2	17.1	8.8	1.9	17.1
09-11	Woodpulp 2/.....	123.3	123.5	121.0	1.6	-2.0	-1.0	-.9	-2.0
09-13	Paper 2/.....	146.5	146.4	146.2	1.2	-1	0	-.3	-.1
09-14	Paperboard 2/.....	163.6	162.4	160.1	-4.0	-1.4	-.4	0	-1.4
09-15-03	Paper boxes and containers 2/.....	173.2	172.6	172.7	-.3	1	-.1	-.1	.1
09-2	Building paper and board 2/.....	141.5	169.2	187.5	44.0	10.8	12.5	3.0	10.8
09-37	Commercial printing (June 1982=100) 2/.....	158.5	158.6	158.5	.8	-1	-.3	.4	-.1
10-15	Foundry and forge shop products.....	137.1	137.5	137.6	.5	1	.3	0	0
10-17	Steel mill products.....	109.0	108.6	108.9	-.7	.3	-1.3	.6	.1
10-22	Primary nonferrous metals 2/.....	102.2	105.1	105.7	8.5	.6	1	1.9	.6
10-25-01	Aluminum mill shapes 2/.....	143.5	143.5	142.4	-.1	-.8	-1.2	-.1	-.8
10-25-02	Copper and brass mill shapes 2/.....	147.7	153.5	154.7	5.9	.8	1.1	.9	.8
10-26	Nonferrous wire and cable 2/.....	134.0	135.2	135.4	1.6	1	-.7	.2	.1
10-3	Metal containers 2/.....	109.0	109.1	109.2	1.4	1	0	0	.1
10-4	Hardware 2/.....	156.0	156.1	156.1	.1	0	.1	-.1	0
10-5	Plumbing fixtures and brass fittings.....	183.6	184.1	184.0	.7	-1	-.1	.3	.2
10-6	Heating equipment 2/.....	163.3	163.4	163.7	3.3	.2	0	1	.2
10-7	Fabricated structural metal products 2/.....	145.5	145.5	145.6	-.2	1	-.1	1	.1
10-88	Fabricated ferrous wire products (June 1982=100) 2/.....	130.4	132.5	132.5	2.0	0	.4	1.2	0
10-89	Other misc. metal products 2/.....	127.4	127.6	127.6	.6	0	.1	.2	0
11-45	Mechanical power transmission equipment.....	171.3	170.6	170.6	.7	0	-.5	1	.2
11-48	Air conditioning and refrigeration equipment 2/.....	137.4	136.9	136.7	-.4	-1	-.2	-.1	-.1
11-49-02	Metal valves, ex.fluid power (Dec. 1982=100).....	169.3	169.7	169.7	1.4	0	.4	-.1	.1
11-49-05	Ball and roller bearings.....	171.5	171.3	171.2	.5	-1	-.2	-.2	0
11-71	Wiring devices 2/.....	152.5	153.5	152.7	-1.7	-5	1	1	-5
11-73	Motors, generators, motor generator sets.....	147.5	147.2	147.5	.5	.2	-.1	0	.4
11-75	Switchgear, switchboard, etc., equipment 2/.....	159.2	159.3	159.1	1.1	-1	-.1	1	-.1
11-78	Electronic components and accessories 2/.....	91.4	90.8	91.0	-1.4	.2	.2	-.7	.2
11-94	Internal combustion engines.....	144.0	145.8	145.8	.8	0	.2	1.2	-.1
11-95	Machine shop products 2/.....	140.6	140.6	140.6	.5	0	1	0	0
13-11	Flat glass 2/.....	111.3	111.2	110.6	-.5	-5	1	0	-.5
13-22	Cement.....	152.6	152.2	151.8	-1.5	-3	0	-.3	.1
13-3	Concrete products.....	153.5	153.5	153.4	.3	-1	.2	.2	-.4
13-6	Asphalt felts and coatings.....	120.3	117.8	116.9	4.4	-.8	-1.1	-.3	-.7
13-7	Gypsum products 2/.....	171.3	170.8	178.1	4.2	4.3	5.3	-2.7	4.3
13-8	Glass containers 2/.....	139.6	140.7	140.8	3.4	1	-.1	.6	.1
14-12	Motor vehicle parts 2/.....	112.0	111.6	111.7	-.4	1	0	-.1	.1
14-23	Aircraft engines & engine parts (Dec. 1985=100).....	153.6	154.1	153.7	5.7	-3	1.0	.2	-.2
14-25	Aircraft parts & aux.equip., nec (June 1985=100).....	150.6	149.5	149.5	-1.0	0	.2	.2	-.2
15-42	Photographic supplies 2/.....	118.6	118.6	118.6	-.4	0	0	0	0
15-6	Medical/surgical/personal aid devices 2/.....	154.2	154.5	154.6	2.2	.1	.1	0	.1
	CRUDE MATERIALS FOR FURTHER PROCESSING.....	130.9	131.4	135.6	22.3	3.2	-2.9	-1.4	3.4
	CRUDE FOODSTUFFS AND FEEDSTUFFS.....	111.0	111.5	118.7	17.9	6.5	-3.0	3.7	7.0
01-21	Wheat 2/.....	100.2	98.3	95.7	-24.2	-2.6	-10.3	11.6	-2.6
01-22-02-05	Corn.....	101.5	88.8	96.6	-13.7	8.8	-13.4	-1.7	12.8
01-31	Slaughter cattle 2/.....	117.0	117.6	130.5	35.2	11.0	-3.0	6.1	11.0
01-32	Slaughter hogs.....	75.9	73.0	69.1	55.3	-5.3	-5.7	3.8	2.8
01-41-02	Slaughter broilers/fryers.....	138.0	153.8	156.1	21.1	1.5	5.0	2.4	-3.2
01-42	Slaughter turkeys.....	100.1	91.6	103.1	-4.7	12.6	-6.5	-7.3	9.6
01-6	Fluid milk.....	83.0	97.4	104.9	21.0	7.7	4.1	6.9	4.9
01-83-01-31	Soybeans 2/.....	109.6	96.6	104.8	5.3	8.5	-5.6	-5.3	8.5
02-52-01-01	Cane sugar, raw 2/.....	116.8	114.2	112.4	-2.3	-1.6	-.9	-.4	-1.6
	CRUDE NONFOOD MATERIALS.....	142.4	142.9	144.5	25.2	1.1	-2.9	-4.2	1.1
01-51-01-01	Raw cotton 2/.....	82.5	85.0	89.8	41.0	5.6	10.2	-7.7	5.6
01-92-01-01	Leaf tobacco 2/.....	(3)	105.2	109.9	3.0	4.5	(3)	(3)	4.5
04-19	Hides and skins (June 2001=100) 2/.....	83.3	85.9	86.5	-1.5	.7	0	6.0	.7
05-1	Coal 2/.....	101.3	98.9	100.3	2.8	1.4	-3.0	1.3	1.4
05-31	Natural gas 2/.....	211.2	196.2	206.7	71.0	5.4	-6.2	-13.1	5.4
05-61	Crude petroleum 2/.....	74.0	83.5	76.5	-1.3	-8.4	-.7	1.5	-8.4
08-5	Logs, timber, etc.....	180.4	180.1	183.0	1.6	1.6	.3	1.6	1.5
09-12	Wastepaper 2/.....	201.6	196.4	198.4	2.9	1.0	-3.5	.4	1.0
10-11	Iron ore 2/.....	95.3	96.5	96.5	1.6	0	.9	.4	0
10-12	Iron and steel scrap.....	168.7	185.6	193.9	26.2	4.5	3.1	8.8	4.8
10-21	Nonferrous metal ores (Dec. 1983=100) 2/.....	74.0	77.2	80.5	16.2	4.3	-1.2	3.1	4.3
10-23-01	Copper base scrap 2/.....	121.0	127.0	128.5	17.0	1.2	-.7	3.2	1.2
10-23-02	Aluminum base scrap.....	166.9	167.1	167.3	7.0	1	1.1	2.0	-.3
13-21	Construction sand, gravel, and crushed stone.....	177.0	177.4	178.0	2.5	.3	-.1	.2	.6

1/ The indexes for May 2003 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/		
		May 2003	Aug. 2003	Sept. 2003
	Finished Goods (1967=100).....	398.6	402.8	403.9
	All commodities.....	136.7	138.0	138.5
MAJOR COMMODITY GROUPS				
	Farm products and processed foods and feeds....	130.7	132.6	136.1
01	Farm products.....	109.2	109.0	116.1
02	Processed foods and feeds.....	141.4	143.5	145.0
	Industrial commodities.....	137.8	139.1	139.2
03	Textile products and apparel.....	119.9	119.6	119.5
04	Hides, skins, leather, and related products..	161.0	162.2	162.8
05	Fuels and related products and power.....	108.5	113.2	113.1
06	Chemicals and allied products 2/.....	162.1	161.7	161.2
07	Rubber and plastic products.....	131.0	130.7	130.5
08	Lumber and wood products.....	173.1	177.6	184.4
09	Pulp, paper, and allied products.....	189.9	190.5	190.7
10	Metals and metal products.....	128.3	129.2	129.6
11	Machinery and equipment.....	122.1	122.1	122.0
12	Furniture and household durables.....	133.9	133.8	133.7
13	Nonmetallic mineral products.....	148.4	148.3	148.4
14	Transportation equipment.....	144.8	144.4	144.0
15	Miscellaneous products.....	179.1	179.6	179.7
	Industrial commodities less fuels and related products and power.....	144.9	145.0	145.1
OTHER COMMODITY GROUPINGS				
01-1	Fruits and melons, fresh and dry vegetables, and tree nuts.....	120.4	108.7	118.7
01-2	Grains.....	101.5	92.2	97.2
01-3	Slaughter livestock.....	106.8	106.2	114.5
01-4	Slaughter poultry.....	128.6	139.4	143.4
01-5	Plant and animal fibers.....	83.5	86.1	90.9
01-7	Chicken eggs.....	99.9	146.7	145.4
01-8	Hay, hayseeds, and oilseeds.....	133.9	119.2	125.8
01-83	Oilseeds.....	119.9	106.7	114.6
01-9	Other farm products.....	(3)	156.9	163.9
02-1	Cereal and bakery products.....	170.8	171.2	171.4
02-2	Meats, poultry, and fish.....	127.7	131.1	133.6
02-22	Processed poultry.....	114.4	118.0	119.9
02-5	Sugar and confectionery.....	148.7	149.0	148.5
02-6	Beverages and beverage materials.....	150.0	149.7	149.7
02-63	Packaged beverage materials.....	129.2	129.2	129.1
02-7	Fats and oils.....	148.6	154.6	153.1
03-81	Apparel.....	125.6	124.9	124.8
04-4	Other leather and related products.....	148.2	148.7	148.7
05-3	Gas fuels.....	190.3	180.7	187.5
05-4	Electric power.....	139.0	146.7	147.9
05-7	Refined petroleum products.....	88.1	99.9	97.8
06-3	Drugs and pharmaceuticals.....	274.0	275.7	276.4
06-5	Agricultural chemicals and products.....	137.5	135.2	135.4
06-7	Other chemicals and allied products.....	140.7	141.3	141.5
07-1	Rubber and rubber products.....	119.5	119.8	119.9
07-11	Rubber, except natural rubber.....	127.3	127.0	127.2
07-13	Miscellaneous rubber products.....	141.1	141.4	141.3
07-2	Plastic products.....	139.6	139.0	138.8
08-1	Lumber.....	169.4	176.1	184.5
09-1	Pulp, paper, and products, excluding building paper and board.....	157.8	157.3	156.8
09-15	Converted paper and paperboard products.....	165.6	165.3	165.3
10-1	Iron and steel.....	119.8	121.2	122.2
10-2	Nonferrous metals.....	122.3	123.8	124.5
10-25	Nonferrous mill shapes.....	136.8	137.7	137.3
11-3	Metalworking machinery and equipment.....	150.0	150.3	150.3
11-4	General purpose machinery and equipment.....	155.6	155.7	155.6
11-6	Special industry machinery.....	165.6	169.4	169.2
11-7	Electrical machinery and equipment.....	115.2	114.7	114.6
11-9	Miscellaneous machinery and equipment.....	137.1	137.8	137.9
12-6	Other household durable goods.....	158.7	158.2	158.3
13-2	Concrete ingredients.....	165.0	165.1	165.3
14-1	Motor vehicles and equipment.....	128.8	127.5	126.8
15-1	Toys, sporting goods, small arms, etc.....	133.3	132.6	132.2
15-4	Photographic equipment and supplies.....	105.2	105.3	104.9
15-9	Other miscellaneous products.....	140.8	140.8	141.1

1/ Data for May 2003 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.

3/ Not available.

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_Sep._2003_from:	
			May 2003	Aug. 2003	Sep. 2003	Sep. 2002	Aug. 2003
			2/	2/	2/		
	Total mining industries.....	12/84	126.3	125.2	126.2	26.1	0.8
10	Metal mining.....	12/84	77.8	80.6	83.1	12.9	3.1
12	Coal mining.....	12/85	94.6	94.0	94.3	1.6	.3
13	Oil and gas extraction.....	12/85	152.7	150.7	152.0	34.8	.9
14	Mining and quarrying of non-metallic minerals, except fuels.....	12/84	146.4	146.7	146.9	2.4	.1
	Total manufacturing industries.....	12/84	135.8	137.0	137.1	1.6	.1
20	Food and kindred products.....	12/84	135.7	137.7	138.8	2.0	.8
21	Tobacco manufactures.....	12/84	376.4	376.3	376.8	-7.8	.1
22	Textile mill products.....	12/84	115.3	115.7	115.5	-1.1	-2.2
23	Apparel and other finished products made from fabrics and similar materials.....	12/84	124.9	124.9	124.9	-.2	0
24	Lumber and wood products, except furniture..	12/84	156.4	160.9	166.8	7.4	3.7
25	Furniture and fixtures.....	12/84	147.4	147.5	147.6	.4	.1
26	Paper and allied products.....	12/84	145.3	144.7	144.6	.3	-.1
27	Printing, publishing, and allied industries.	12/84	197.3	197.8	197.9	2.3	.1
28	Chemicals and allied products.....	12/84	165.8	164.5	164.5	3.7	0
29	Petroleum refining and related products....	12/84	111.0	124.0	122.1	11.4	-1.5
30	Rubber and miscellaneous plastic products...	12/84	129.2	128.8	128.6	1.8	-.2
31	Leather and leather products.....	12/84	142.2	142.5	142.6	.5	.1
32	Stone, clay, glass, and concrete products...	12/84	138.0	138.0	138.1	.4	.1
33	Primary metal industries.....	12/84	117.8	118.1	118.3	.3	.2
34	Fabricated metal products, except machinery and transportation equipment.....	12/84	132.7	132.9	133.1	.8	.2
35	Machinery, except electrical.....	12/84	116.0	116.0	115.9	-.8	-.1
36	Electrical and electronic machinery, equipment, and supplies.....	12/84	104.0	102.5	102.3	-2.9	-.2
37	Transportation equipment.....	12/84	137.5	137.0	136.5	1.0	-.4
38	Measuring and controlling instruments; photographic, medical, optical goods; watches, clocks.....	12/84	129.8	130.0	129.9	.9	-.1
39	Miscellaneous manufacturing industries.....	12/85	133.9	134.3	134.2	.5	-.1
	Services industries						
40	Railroad transportation.....	12/96	108.7	108.3	108.8	2.0	0.5
42	Motor freight transportation and warehousing	06/93	127.4	128.3	128.7	2.9	.3
43	United States Postal Service.....	06/89	155.0	155.0	155.0	0	0
44	Water transportation.....	12/92	147.6	151.1	151.7	9.1	.4
45	Transportation by air.....	12/92	162.0	162.9	162.9	2.7	0
46	Pipelines, except natural gas.....	12/86	111.8	111.9	112.2	-.3	.3
48	Communications.....	06/01	97.8	97.4	97.2	-.7	-.2
54	Food stores.....	12/99	120.1	117.6	118.9	3.5	1.1
55	Automotive dealers and gasoline service stations.....	12/01	91.5	89.4	94.8	12.5	6.0
59	Miscellaneous retail.....	06/00	106.3	105.8	104.3	1.6	-1.4
80	Health services.....	12/94	123.9	124.5	124.7	3.9	.2
81	Legal services.....	12/96	125.2	125.4	126.5	3.3	.9

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 movements of similarly titled indexes derived from traditional commodity groupings.

2/ The indexes for May 2003 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.

Note: NAICS 2002 replaces the SIC classification system beginning with the release of PPI data for January 2004. See <http://www.bls.gov/ppi/ppinaics.htm> for details.

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

Grouping	Index 1/					
	Apr. 2003	May 2003	June 2003	July 2003	Aug. 2003	Sep. 2003
Finished goods.....	142.4	141.8	142.6	142.8	143.4	143.8
Finished consumer goods.....	144.2	143.4	144.4	144.5	145.3	145.8
Finished consumer foods.....	144.4	144.5	145.0	144.7	145.7	147.4
Crude.....	135.4	133.5	122.1	123.3	130.2	137.3
Processed.....	145.1	145.3	146.9	146.5	147.0	148.2
Finished consumer goods, excluding foods.....	143.8	142.7	143.9	144.1	144.8	144.9
Nondurable goods less foods.....	147.4	145.6	147.6	147.9	148.7	148.8
Durable goods.....	132.3	132.6	132.2	132.5	132.7	132.6
Capital equipment.....	139.0	139.1	139.2	139.7	139.8	139.7
Manufacturing industries.....	139.6	139.5	139.8	140.4	140.6	140.6
Nonmanufacturing industries.....	138.7	138.9	138.9	139.3	139.5	139.3
Intermediate materials, supplies, and components.....	133.4	132.5	133.1	133.3	134.0	133.8
Materials and components for manufacturing.....	129.3	129.2	129.5	129.3	130.0	129.8
Materials for food manufacturing.....	129.9	130.6	134.1	133.1	134.8	136.4
Materials for nondurable manufacturing.....	137.4	136.8	136.9	136.5	138.0	136.4
Materials for durable manufacturing.....	126.7	126.7	127.2	127.0	127.7	128.8
Components for manufacturing.....	126.0	126.1	125.9	126.0	125.9	125.9
Materials and components for construction.....	152.8	152.6	152.8	153.3	153.5	154.9
Processed fuels and lubricants.....	112.9	108.2	110.6	111.6	113.8	112.0
Manufacturing industries.....	117.6	113.2	115.7	117.4	119.5	117.9
Nonmanufacturing industries.....	109.9	105.2	107.5	108.0	110.2	108.3
Containers.....	154.0	153.9	153.9	153.7	153.6	153.6
Supplies.....	141.3	141.5	141.4	141.6	141.4	141.7
Manufacturing industries.....	146.8	146.9	146.8	146.9	146.9	146.6
Nonmanufacturing industries.....	138.7	139.0	138.9	139.1	138.8	139.2
Feeds.....	102.2	104.6	104.3	104.7	101.8	107.4
Other supplies.....	143.2	143.3	143.2	143.4	143.3	143.3
Crude materials for further processing.....	128.3	130.1	136.1	132.1	130.3	134.7
Foodstuffs and feedstuffs.....	107.6	109.7	108.9	105.6	109.5	117.2
Nonfood materials.....	140.5	142.0	153.4	148.9	142.6	144.2
Nonfood materials except fuel 2/.....	110.4	108.7	113.4	113.5	116.6	114.2
Manufacturing 2/.....	101.4	99.8	104.2	104.3	107.2	105.0
Construction.....	179.6	179.4	178.4	177.9	179.7	181.4
Crude fuel 3/.....	176.9	183.7	205.4	193.4	171.8	180.1
Manufacturing industries.....	168.4	174.7	194.6	183.4	163.6	171.3
Nonmanufacturing industries.....	180.9	187.9	210.1	197.8	175.7	184.1
Special groupings						
Finished goods, excluding foods.....	141.6	140.9	141.7	142.1	142.6	142.6
Intermediate materials less foods and feeds.....	134.1	133.0	133.6	133.8	134.6	134.2
Intermediate foods and feeds.....	121.4	122.7	124.9	124.4	124.6	127.5
Crude materials less agricultural products 2/.....	142.9	144.6	156.5	151.6	144.7	146.2
Finished energy goods.....	100.9	98.0	101.2	101.5	102.7	102.8
Finished goods less energy.....	148.2	148.4	148.4	148.6	149.0	149.4
Finished consumer goods less energy.....	152.2	152.3	152.4	152.4	152.9	153.6
Finished goods less foods and energy.....	149.9	150.1	150.0	150.3	150.5	150.5
Finished consumer goods less foods and energy....	157.2	157.5	157.2	157.4	157.6	157.7
Consumer nondurable goods less foods and energy..	177.4	177.6	177.4	177.5	177.7	177.9
Intermediate energy goods.....	112.2	107.3	109.6	111.0	113.7	111.1
Intermediate materials less energy.....	137.3	137.4	137.5	137.4	137.6	138.0
Intermediate materials less foods and energy.....	138.4	138.4	138.4	138.3	138.5	138.7
Crude energy materials 2/.....	138.8	141.4	157.9	151.0	139.9	140.7
Crude materials less energy.....	117.4	118.7	117.8	115.7	120.0	126.6
Crude nonfood materials less energy 3/.....	146.4	145.4	144.5	145.6	151.0	154.5

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 May 2003 have been recalculated to incorporate late reports and corrections by respondents.

2/ Includes crude petroleum.

3/ Excludes crude petroleum.