

# News

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Department  
of Labor



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## Producer Price Indexes – July 2009

The Producer Price Index for Finished Goods declined 0.9 percent in July, seasonally adjusted, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. This decrease followed advances of 1.8 percent in June and 0.2 percent in May. At the earlier stages of processing, prices received by manufacturers of intermediate goods moved down 0.2 percent in July after rising 1.9 percent in the prior month, and the crude goods index fell 4.5 percent following a 4.6-percent increase in June. (See table A.)

The downturn in finished goods prices was broad based. The index for energy goods fell 2.4 percent in July after climbing 6.6 percent a month earlier, prices for consumer foods decreased 1.5 percent following a 1.1-percent advance in the previous month, and the index for goods other than foods and energy edged down 0.1 percent compared with a 0.5-percent rise in June.

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

Month	Finished goods					Intermediate goods	Crude goods
	Total	Foods	Energy	Except foods and energy	Change in finished goods from 12 months ago (unadj.)		
<b>2008</b>							
July.....	1.3	0.6	3.8	0.6	9.9	2.8	3.9
Aug.....	-0.5	0.2	-3.4	0.5	9.7	-1.3	-12.0
Sept.....	-0.1	0.0	-1.3	0.4	8.8	-0.6	-7.3
Oct.....	-2.6	0.1	-12.8	0.5	5.2	-4.2	-16.1
Nov.....	-2.7	-0.5	-12.4	0.0	0.4	-4.8	-13.1
Dec.....	-1.8	-1.2	-9.1	0.3	-0.9	-4.1	-5.6
<b>2009</b>							
Jan.....	0.9	0.1	4.1	0.2	-0.9	-0.2	-1.5
Feb.....	-0.1	-1.6	0.9	0.1	-1.4	-0.8	-6.1
Mar. <sup>1</sup> .....	-0.9	-0.8	-4.7	0.1	-3.4	-1.5	-0.4
Apr. <sup>1</sup> .....	0.2	1.5	-0.7	0.1	-3.7	-0.5	2.9
May.....	0.2	-1.6	2.9	-0.1	-5.0	0.3	3.6
June.....	1.8	1.1	6.6	0.5	-4.6	1.9	4.6
July.....	-0.9	-1.5	-2.4	-0.1	-6.8	-0.2	-4.5

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for March 2009 have been revised to reflect the availability of late reports and corrections by respondents.

Before seasonal adjustment, the Producer Price Index for Finished Goods decreased 0.9 percent in July to 172.6 (1982 = 100). From July 2008 to July 2009, prices for finished goods fell 6.8 percent, the index for intermediate goods decreased 15.1 percent, and crude goods prices dropped 44.8 percent, all of which are record 12-month declines. Over the same period within finished goods, the index for energy goods fell 29.7 percent, prices for consumer foods moved down 4.2 percent, and the index for goods other than foods and energy rose 2.6 percent.

### **Finished goods**

The index for finished energy goods moved down 2.4 percent in July following a 6.6-percent advance in June. Leading this downturn, gasoline prices decreased 10.2 percent after surging 18.5 percent a month earlier. The indexes for home heating oil, diesel fuel, and kerosene also turned down in July. Prices for liquefied petroleum gas increased less than in the prior month. Conversely, partially offsetting the downturn in the finished energy goods index, prices for residential electric power advanced 0.7 percent subsequent to a 0.9-percent decline in June. The index for residential natural gas rose at a faster rate compared with the previous month, and prices for lubricating and similar oils turned up in July after falling in the preceding month. (See table 2.)

The index for finished consumer foods decreased 1.5 percent in July following a 1.1-percent rise a month earlier. Prices for fresh and dry vegetables declined 11.7 percent compared with a 21.8-percent gain in June. The indexes for processed young chickens, eggs for fresh use, flour and flour base mixes and doughs, and bottled carbonated soft drinks also turned down in July. Prices for beef and veal fell more than they had in June. By contrast, prices for citrus fruits climbed 31.6 percent subsequent to a 9.2-percent decline a month earlier. The indexes for noncarbonated soft drinks and fluid milk products also turned up in July.

**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	Except foods and energy	Change in crude goods from 12 months ago (unadj.)
<b>2008</b>								
July.....	4.7	4.9	2.0	17.0	0.1	6.6	3.4	49.0
Aug.....	-0.6	-7.1	0.6	16.3	-3.6	-20.4	-2.8	35.4
Sept.....	-2.1	-2.4	0.1	15.3	-1.3	-10.4	-9.7	24.2
Oct.....	-5.1	-10.7	-2.1	9.8	-10.5	-19.4	-17.9	0.1
Nov.....	-2.6	-13.4	-2.4	1.7	-1.3	-20.1	-18.8	-18.8
Dec.....	-3.8	-10.7	-2.4	-2.3	-5.6	-6.9	-1.5	-24.6
<b>2009</b>								
Jan.....	-1.5	2.8	-0.8	-3.6	0.9	-5.2	1.3	-27.7
Feb.....	-0.8	-1.2	-0.7	-5.2	-3.3	-12.1	-0.3	-34.5
Mar. <sup>1</sup> .....	-0.8	-5.5	-0.5	-8.9	-1.7	0.5	-0.9	-38.9
Apr. <sup>1</sup> .....	0.6	-0.4	-0.6	-10.5	4.2	3.2	-1.1	-40.0
May.....	1.3	2.0	-0.2	-12.5	0.4	5.3	6.7	-41.1
June.....	1.3	8.9	0.4	-12.5	-0.4	10.9	2.6	-40.0
July.....	-2.0	-1.4	0.2	-15.1	-6.1	-6.2	2.9	-44.8

<sup>1</sup> Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for March 2009 have been revised to reflect the availability of late reports and corrections by respondents.

Prices for finished goods other than foods and energy edged down 0.1 percent in July following a 0.5-percent advance in June. The light motor trucks index declined 0.7 percent after rising 3.4 percent in the prior month. Prices for passenger cars and for communication and related equipment also turned down in July. By contrast, the pharmaceutical preparations index increased 1.2 percent compared with a 0.8-percent advance in the preceding month. Prices for civilian aircraft declined at a slower rate than in June. The indexes for plastic products; tools, dies, jigs, fixtures, and individual molds; and sporting and athletic goods turned up in July.

### **Intermediate goods**

The Producer Price Index for Intermediate Materials, Supplies, and Components declined 0.2 percent in July subsequent to a 1.9-percent advance in June. Prices for intermediate energy goods and intermediate foods and feeds turned down after rising in the previous month. The index for materials for nondurable manufacturing increased less than it had in June, and prices for materials and components for construction fell in July after no change in the prior month. By contrast, slightly offsetting the downturn in the index for intermediate materials, supplies, and components, the index for materials for durable manufacturing increased more than it had in June. Excluding foods and energy, prices for intermediate materials moved up 0.2 percent in July following a 0.4-percent advance a month earlier. (See table B.)

The index for intermediate energy goods decreased 1.4 percent in July following an 8.9-percent increase in the preceding month. Diesel fuel prices dropped 8.0 percent after rising 14.6 percent in June. The indexes for gasoline, jet fuel, residual fuels, heating oil, and natural gas to electric utilities also turned down after advancing in the prior month. Conversely, prices for electric power moved up 1.1 percent in July subsequent to a 0.6-percent decline a month earlier. The index for finished lubricants also turned up after falling in the preceding month. Prices for commercial natural gas rose more than in June. (See table 2.)

Prices for materials for nondurable manufacturing advanced 1.4 percent in July compared with a 4.6-percent rise in the previous month. The index for primary basic organic chemicals moved up 3.4 percent following a 16.0-percent jump in June. Prices for inedible fats and oils, synthetic rubber, tire cord fabric, and unprocessed filament yarns turned down in July after increasing in the prior month. Conversely, prices for fertilizer materials rose 4.6 percent in July subsequent to a 20.1-percent drop a month earlier. The indexes for woodpulp and finished knit fabrics also turned up after declining in June. Prices for plastic resins and materials increased more in July than in the preceding month, while the index for non-corrugated paperboard fell less than in June.

Prices for intermediate foods and feeds fell 2.0 percent subsequent to a 1.3-percent gain in June. Leading this downturn, the prepared animal feeds index decreased 3.3 percent in July after rising 5.3 percent in the previous month. Prices for processed young chickens, flour and flour base mixes and doughs, natural cheese (except cottage cheese), and processed cheese also turned down after rising a month earlier. The indexes for beef and veal and for shortening and cooking oils fell more than they had in June. By contrast, the cooked or smoked poultry products index turned up 3.6 percent following a 1.7-percent decline a month earlier. Processed egg prices also increased in July after falling in the prior month.

The index for materials and components for construction moved down 0.3 percent in July compared with no change in June. The index for prepared asphalt and tar roofing and siding products fell 4.7 percent subsequent to a 6.1-percent increase a month earlier. Prices for ready-mixed concrete, nonferrous wire and cable, and millwork also turned down in July after rising in the previous month. The indexes for metal doors and frames (except storm doors) and for paving mixtures and blocks fell more than they had in June. By contrast, the index for treated wood rose 4.1 percent subsequent to a 2.9-percent decline in the prior month. Prices for unfinished softwood lumber (not made from purchased materials) rose more than in June, and the index for non-farm prefabricated metal building systems was unchanged in July after decreasing in the prior month.

Prices for materials for durable manufacturing climbed 0.6 percent compared with a 0.5-percent advance in June. In July, rising prices for both cold and hot rolled steel sheet and strip; unfinished softwood lumber (not made from purchased materials); thermoplastics resins and materials; primary nonferrous metals; aluminum mill shapes; and hot rolled steel bars, plates, and structural shapes more than offset declining prices for copper and brass mill shapes and for steel pipe and tube.

### **Crude goods**

The Producer Price Index for Crude Materials for Further Processing turned down 4.5 percent in July after rising 4.6 percent in the previous month. Prices for crude energy materials fell after increasing in June and the index for crude foodstuffs and feedstuffs declined more than in the prior month. By contrast, partially offsetting the downturn in crude materials prices, the index for crude nonfood materials less energy rose more than in June. (See table B.)

The index for crude energy materials turned down 6.2 percent in July after rising 10.9 percent a month earlier. Prices for crude petroleum fell 15.9 percent following a 20.3-percent advance in June. The index for coal declined 1.4 percent in July after increasing 1.7 percent in the preceding month. By contrast, price advances for natural gas accelerated to 5.0 percent from 3.5 percent in June. (See table 2.)

The index for crude foodstuffs and feedstuffs fell 6.1 percent in July following a 0.4-percent decrease in the previous month. The index for hay, hayseeds, and oilseeds turned down 14.1 percent after rising 6.2 percent in June. Prices for corn, slaughter poultry, fresh vegetables (except potatoes), and wheat also declined after advancing in the prior month. Conversely, the index for slaughter steers and heifers turned up 2.0 percent in July after falling 3.7 percent in the prior month. Prices for slaughter barrows and gilts and for Irish potatoes for processing also rose following June declines.

The advance in the index for crude nonfood materials less energy accelerated to 2.9 percent in July from 2.6 percent in the preceding month. The index for carbon steel scrap jumped 20.6 percent following a 0.5-percent increase in June. Prices for aluminum base scrap also rose more than a month earlier. The index for phosphates turned up in July after falling in the previous month. Conversely, prices for grains fell 17.9 percent after advancing 4.1 percent in June. The indexes for gold ores and soybeans also turned down after increasing in the prior month. Prices for iron ore fell in July after no change in the preceding month, and the index for copper base scrap rose less than in June.

### **Net output price indexes**

**Mining, utilities, and manufacturing industries.** The Producer Price Index for the Net Output of Total Mining, Utilities, and Manufacturing Industries fell 0.5 percent in July after rising 1.7 percent in June. (Net output price indexes are not seasonally adjusted.) Prices received by petroleum refineries dropped 5.2 percent in July following a 17.9-percent surge in the previous month. The industry indexes for automobile, light truck, and utility vehicle manufacturing; crude petroleum and natural gas extraction; livestock slaughtering; animal feed manufacturing; and poultry processing also turned down after advancing in June. Prices received by electric power distributors increased less in July than they had a month earlier. By contrast, partially offsetting the downturn in mining, utilities, and manufacturing industries prices, the index for the electric power generation industry advanced 4.0 percent following a 0.4-percent rise in June. Prices received by the phosphatic fertilizer and by the plastic material and resin manufacturing industries climbed after decreasing in the prior month. In July, the index for total mining, utilities, and manufacturing industries was 106.5 (December 2006 = 100), 10.4 percent below its year-ago level.

**Trade Industries.** The Producer Price Index for the Net Output of Total Trade Industries decreased 0.4 percent in July following a 1.2-percent increase in June. (Trade indexes measure changes in margins received by wholesalers and retailers.) Margins received by merchant wholesalers of durable goods declined 1.8 percent after rising 1.2 percent in the preceding month. The margin indexes for women's clothing stores, discount department stores, new car dealers, and supermarkets also turned down in July. Margins received by gasoline stations with convenience stores advanced less than in June. By contrast, margins received by warehouse clubs and supercenters jumped 7.8 percent in July compared with a 3.1-percent drop in the prior month. The margin indexes for fuel dealers and non-discount department stores also turned up after falling in June. In July, the index for total trade industries was 111.3 (December 2006 = 100), 2.0 percent above its year-ago level.

**Transportation and Warehousing Industries.** The Producer Price Index for the Net Output of Total Transportation and Warehousing Industries increased 1.2 percent in July following a 0.3-percent advance in June. Leading this acceleration, prices received by the scheduled air transportation industry group climbed 4.7 percent after moving up 0.3 percent in the previous month. The industry index for long-distance general freight trucking (by the truckload) also rose more in July than it had a month earlier. Prices received by the industries for both deep sea and for Coastal and Great Lakes freight transportation turned up in July. The index for pipeline transportation of crude petroleum products advanced after no change in June. By contrast, prices received by the specialized freight trucking industry group edged down 0.1 percent following a 1.7-percent jump in the previous month. The indexes for inland water freight transportation and local general freight trucking also turned down in July. Prices received by line-haul railroads increased less than they had in June. In July, the index for total transportation and warehousing industries was 107.9 (December 2006 = 100), 7.0 percent below its year-ago level.

**Traditional Service Industries.** The Producer Price Index for the Net Output of Total Traditional Service Industries was unchanged in July after inching down 0.1 percent in the preceding month. In July, higher prices received by non-casino hotels and motels, direct property and casualty insurers, offices of physicians, savings institutions, and the automotive equipment rental and leasing industry group were offset by lower prices received by commercial banks, the industry group for security and commodity contract intermediaries and brokerages, software publishers, and cable networks. In July, the index for total traditional service industries was 102.4 (December 2006 = 100), 0.2 percent above its year-ago level.

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Producer Price Index data for August 2009 are scheduled to be released on Tuesday, September 15, 2009 at 8:30 a.m. (EDT).

### **PPI Expands Commodity Code Detail**

Effective with this release, the Producer Price Index (PPI) program has the capability to publish commodity indexes at a greater level of detail than previously was available. As such, the July 2009 data release includes some newly introduced commodity indexes associated with 9-, 10-, and 11-digit commodity codes. (The maximum code length permitted for commodity indexes will become 12 digits.) These indexes are available in both the PPI Detailed Report and on the BLS website at [www.bls.gov/ppi](http://www.bls.gov/ppi), using the current commodity data retrieval tools.

Further information is available from the PPI Section of Index Analysis and Public Information, at [ppi-info@bls.gov](mailto:ppi-info@bls.gov) or (202) 691-7705.

### **PPI Introduces Wherever Provided Services Indexes**

Effective with this release, the Producer Price Index (PPI) program is publishing Wherever Provided (WEP) Services indexes. Similar to current PPI commodity indexes, the new WEP service indexes are constructed with pricing information collected from PPI's industry-based survey, aggregated on a service-specific basis rather than by industry of origin. Therefore, the WEP services indexes measure price changes for specific services, regardless of the type of companies providing the services.

Since the WEP services indexes are conceptually similar to traditional PPI commodity indexes, they are included in Table 6 of the PPI Detailed Report, with major WEP services grouping codes ranging from 30 through 80.

Since the WEP services indexes do not include data for physical products, they do not contribute to the PPI's current Stage-of-Processing structure.

Further information is available from the PPI Section of Index Analysis and Public Information, at *ppi-info@bls.gov* or (202) 691-7705.

### **PPI Updates Industry Net Output Ratios**

Effective with the release of August 2009 data on September 15, 2009, the Producer Price Index (PPI) program will update the net output ratios used to calculate industry indexes based on the North American Industry Classification System (NAICS). With this update, net output ratios will be based on 2002 Input-Output Account data from the Bureau of Economic Analysis (BEA) of the U.S. Department of Commerce. Net output ratios represent the proportion of an industry's or industry grouping's output consumed outside its respective area. Prior to this update, net output ratios for calculating NAICS-based PPIs reflected values from BEA 1997 Input-Output Accounts. This update does not affect commodity-grouping indexes from the PPI.

Further information is available from the PPI Section of Index Analysis and Public Information, at *ppi-info@bls.gov* or (202) 691-7705.

### **Upcoming Changes to the Producer Price Index News Release**

Effective with the August 2009 Producer Price Index (PPI) News Release scheduled for September 15, 2009, the Bureau of Labor Statistics will introduce changes in the presentation of the text section of the release. There will be no changes to the format and content of the tables. A sample of the revamped PPI News Release has been posted at [http://www.bls.gov/bls/changes\\_to\\_text\\_sections\\_of\\_nrs.htm](http://www.bls.gov/bls/changes_to_text_sections_of_nrs.htm).

## Resampling of Industries

Effective with this release, the Producer Price Index (PPI) includes data for 45 resampled industries classified according to the North American Industry Classification System (NAICS). The Bureau of Labor Statistics periodically updates the sample of producers providing data for the PPI to reflect current conditions more accurately when the structure, membership, technology, or product mix of an industry shifts. The first results of this systematic process were published in July 1986. Subsequent efforts have been completed at 6-month intervals.

For information on specific index additions, deletions, and recodes that are effective with this semiannual update, see the July 2009 issue of the *PPI Detailed Report* online at <http://www.bls.gov/ppi/ppidr200907.pdf>, or contact the Division of Industrial Prices and Price Indexes, Section of Index Analysis and Public Information at [ppi-info@bls.gov](mailto:ppi-info@bls.gov) or (202) 691-7705.

### NAICS

<i>Code</i>	<i>Industry</i>
211111	Crude petroleum and natural gas extraction
211112	Natural gas liquids and residue gas
236222	New school building construction
311613	Rendering and meat byproduct processing
311823	Dry pasta manufacturing
311919	Other snack food manufacturing
312120	Breweries
315999	All other accessory and apparel manufacturing
321219	Reconstituted wood product manufacturing
322291	Sanitary paper product manufacturing
323110	Commercial lithographic printing
323119	Other commercial printing
324110	Petroleum refineries
325120	Industrial gas manufacturing
325414	Other biological product manufacturing
325998	Other miscellaneous chemical product manufacturing
331411	Primary smelting and refining of copper
332111	Iron and steel forging
332112	Nonferrous forging
332117	Powder metallurgy part manufacturing
332618	Other fabricated wire product manufacturing
332911	Industrial valve manufacturing
332912	Fluid power valve and hose fitting manufacturing
332999	Miscellaneous fabricated metal product manufacturing
333293	Printing machinery and equipment manufacturing
333411	Air purification equipment manufacturing
333412	Industrial and commercial fan and blower manufacturing
333922	Conveyor and conveying equipment manufacturing

### Resampling of Industries—Continued

333924	Industrial truck, trailer, and stacker manufacturing
334417	Electronic connector manufacturing
334510	Electromedical apparatus manufacturing
335921	Fiber optic cable manufacturing
336360	Motor vehicle seating and interior trim manufacturing
336510	Railroad rolling stock manufacturing
339111	Laboratory apparatus and furniture manufacturing
339911	Jewelry, except costume, manufacturing
339914	Costume jewelry and novelty manufacturing
443111	Household appliance stores
445110	Supermarkets and other grocery stores
448210	Shoe stores
484110	General freight trucking, local
484121	General freight trucking, long-distance, truckload
484122	General freight trucking, long-distance, less than truckload
511130	Book publishers
524210	Insurance agencies and brokerages



# Technical Note

## Brief Explanation of Producer Price Indexes

The Producer Price Index (PPI) of the Bureau of Labor Statistics (BLS) is a family of indexes that measure the average change over time in the 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 can differ due to government subsidies, sales and excise taxes, and distribution costs.

More than 8,000 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 construction, trade, finance, and services sectors of the economy.

More than 100,000 price quotations per month are organized into three sets of PPIs: (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 organizes products by class of buyer and degree of fabrication. The commodity structure 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.

### Stage-of-Processing Indexes

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, as well as nondurable goods such as apparel and home heating oil. Capital equipment includes 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.

## Commodity Indexes

The commodity classification structure of the PPI organizes products by similarity of end use or material composition, disregarding industry of origin. Fifteen major commodity groupings (two-digit commodity codes) make up the All Commodities Index. Each major commodity grouping includes (in descending order of aggregation) subgroups (three-digit codes), product classes (four-digit codes), subproduct classes (six-digit codes), item groupings (seven-digit codes) and individual items (eight-digit codes).

### Industry Net-Output Price Indexes

PPIs for the net output of industries and their products are grouped according to the North American Industry Classification System (NAICS). Prior to the release of January 2004, industry-based PPIs were published according to the Standard Industrial Classification (SIC) system. Industry price indexes are compatible with other economic time series organized by industry, such as data on employment, wages, and productivity. Table 5 of the *PPI Detailed Report* includes data for NAICS industries and industry groups (3-, 4-, 5-, and 6-digit codes); Census product classes (7- and 8-digit codes), products (9-digit codes), and more detailed subproducts (11-digit codes); and, for some industries, indexes for other sources of revenue.

Indexes may represent one of three kinds of product categories. Every industry has primary product indexes to show changes in prices received by establishments classified in the industry for products made primarily, but not necessarily exclusively, by that industry. The industry classification of an establishment is determined by which products make up a plurality of its total shipment value. In addition, most industries have secondary product indexes that show changes in prices received by establishments classified in the industry for products chiefly made in some other industry. Finally, some industries have miscellaneous receipts indexes to show price changes in other sources of revenue received by establishments within the industry that are not derived from sales of their products—for example, resales of purchased materials, or revenues from parking lots owned by a manufacturing plant.

### Data Collection

PPIs 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 also are 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 submitted by survey respondents are effective on the Tuesday of the week containing the 13th day of the month. This survey is conducted primarily through the mail.

Price data are provided on a voluntary and confidential basis; only sworn BLS employees are allowed access to individual company price reports. BLS publishes price indexes instead of actual prices. All PPIs are subject to revision 4 months after original publication to reflect the availability of late reports and corrections by respondents.

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 with the release of data for 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 industries includes the month and year in which an article describing the industry's content appeared in the *PPI Detailed Report*.

**Service sector industries introduced into the Producer Price Index, by SIC or NAICS code and the *PPI Detailed Report* that announces their introduction**

<i>Title</i>	<i>Code</i>	<i>PPI Detailed Report Issue</i>
<b>SIC</b>		
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

<i>Title</i>	<i>Code</i>	<i>PPI Detailed Report Issue</i>
<b>SIC</b>		
Premiums for property and casualty insurance .....	9331	July 1998
<b>NAICS</b>		
New Industrial building construction .....	236211	January 2008
New warehouse building construction ..	236221	July 2005
New school construction .....	236222	July 2006
New office construction .....	236223	January 2007
Concrete contractors, nonresidential building work .....	23811X	July 2008
Roofing contractors, nonresidential building work .....	23816X	July 2008
Electrical contractors, nonresidential building work .....	23821X	July 2008
Plumbing / HVAC contractors, nonresidential building work .....	23822X	July 2008
Merchant wholesalers, durable goods ..	423	July 2005
Merchant wholesalers, nondurable goods .....	424	July 2005
Wholesale trade agents and brokers ...	425120	July 2005
Furniture and home furnishings stores ..	442	January 2004
Electronics and appliance stores .....	443	January 2004
Building material and garden equipment and supplies dealers .....	444	January 2004
Clothing and clothing accessories stores .....	448	January 2004
Sporting goods, hobby, book, and music stores .....	451	January 2004
General merchandise stores .....	452	January 2004
Miscellaneous store retailers .....	453	January 2004
Internet service providers .....	518111	July 2005
Web search portals .....	518112	July 2005
Commercial banking .....	522110	January 2005
Savings institutions .....	522120	January 2005
Direct health and medical insurance carriers .....	524114	July 2004
Construction, mining, and forestry machinery and equipment rental and leasing .....	532412	January 2005
Management consulting services .....	541610	January 2007
Security guards and patrol services .....	561612	July 2005
Computer training .....	611420	July 2007
Blood and organ banks .....	621991	January 2007
Amusement and theme parks .....	713110	July 2006
Golf courses and country clubs .....	713910	July 2006
Fitness and recreational sports centers ..	713940	July 2005
Commercial machinery repair and maintenance.....	811310	July 2007

**Weights**

Weights for most traditional commodity groupings of the PPI, as well as weights for commodity-based aggregate indexes calculated using traditional commodity groupings, such as stage-of-processing indexes, currently reflect 2002 values of shipments as reported in the *Census of Manufactures* and other sources. From January 2002 through December

2006, PPI weights were derived from 1997 shipment values. Industry indexes now are calculated with 2002 weights and 1997 net output ratios. 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 within the industry to buyers outside the industry. However, weights for commodity price indexes are based on gross shipment values, including values of shipments between establishments within the same industry. As a result, broad commodity grouping indexes, such as the PPI for All Commodities, 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 for 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.

### Price Index Reference Base

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 previously published percent changes for affected PPI series. (See “Calculating Index Changes,” below.) The 1982 reference base is not used for commodity indexes with a base later than December 1981 or for industry net output indexes 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. This document can be downloaded from the BLS Web site at [www.bls.gov/opub/hom/homch14\\_itc.htm](http://www.bls.gov/opub/hom/homch14_itc.htm). Reprints are available on request.

### Calculating Index Changes

Each PPI measures price changes from a reference period that equals 100.0. 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 also can be expressed in dollars, as follows: prices received by domestic producers of a sample of finished goods have risen from \$100 in 1982 to \$105.50. Likewise, a current index of 90.0 would indicate that prices received by producers of finished goods 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. Index point changes are affected by the level of the index in relation to its base period, whereas percent changes are not. The following example 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, BLS publishes seasonally adjusted and unadjusted changes each month. Seasonally adjusted data are preferred for analyzing general price trends in the economy because these data 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 when escalating long-term contracts such as purchasing agreements or real estate leases. For more information, see *Escalation and Producer Price Indexes: A Guide for Contracting Parties*, BLS Report 807, September 1991, on the Web at [www.bls.gov/ppi/ppiescalation.htm](http://www.bls.gov/ppi/ppiescalation.htm). Reprints are available on request.

In 1998, the PPI implemented the X-12-ARIMA Seasonal Adjustment Method; prior to that year, the PPI employed the X-11 method. Each year, the seasonal status of most commodity indexes is reevaluated to reflect more recent price behavior. Industry net output indexes are not seasonally adjusted. For time series that exhibit seasonal pricing patterns, new seasonal factors are estimated and applied to the unadjusted data for the previous 5 years. These updated seasonally adjusted indexes replace the most recent 5 years of seasonal data.

Seasonal factors may be applied to series using either a direct or an aggregative method. Generally, commodity indexes are seasonally adjusted using direct seasonal adjustment, which produces a more complete elimination of seasonal movements than does the aggregative method. However, the direct seasonal adjustment process may not yield figures that possess additive consistency. Thus, a seasonally adjusted index for a broad category that is directly adjusted may not be logically consistent with all seasonally adjusted indexes for its components. Seasonal movements for stage-of-processing indexes are derived indirectly through an aggregative method that combines movements of a wide variety of subproduct class (six-digit) series.

Seasonally adjusted indexes can become problematic when previously stable and predictable price patterns abruptly change. If the new pattern persists, the seasonal adjustment method will eventually reflect it adequately; if the pattern keeps shifting, however, seasonally adjusted data will become chronically troublesome. This problem occurs relatively infrequently for farm and food-related products, but has more often affected manufactured products such as automobiles and steel.

Since January 1988, the PPI has used Intervention Analysis Seasonal Adjustment methods to enhance the calculation of seasonal factors. With this technique, outlier values that may distort the seasonal pattern are removed from the data prior to applying the standard seasonal factor estimation procedure. For example, a possible economic cause for large price movements for petroleum-based products might have been the Persian Gulf War. In this case, intervention techniques allowed for better estimates of seasonally adjusted data. On the whole, very few series have required intervention. Out of nearly 800 seasonally adjusted series, only 16 were subject to intervention in 2008.

For more information relating to seasonal adjustment methods, 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*.

## Producer Price Index Data on the Internet

In 1995, the BLS began posting PPI series, news releases, and technical information to both a World Wide Web (WWW) site and a file transfer protocol (FTP) site. During the years following the introduction of PPI Internet services, use of these sites eclipsed more traditional methods of data dissemination, such as subscriptions to the *PPI Detailed Report*. There were more than 2.1 million instances of PPI series being downloaded from the Internet during the 12 months ended December 31, 2007.

## Retrieving PPI data from the PPI Web site

PPI data can be obtained from the WWW address ([www.bls.gov/ppi](http://www.bls.gov/ppi)). Clicking on the “PPI Databases” link reveals the following methods of data retrieval:

- **Top Picks** is a form-based application for both Industry Data and Commodity Data that allows the user to quickly obtain PPI time series data by selecting the most commonly requested time series, including the All Commodities Index and the stage-of-processing indexes (for example, Finished Goods). Within each list, any one—or all—of the time series shown can be selected. A user can modify the date range and output options after executing the query, using the reformat button above the data output table.
- **One-Screen Data Search and Multi-Screen Data Search** are form-based query applications for both Industry Data and Commodity Data designed for users unfamiliar with the PPI coding structure. These

applications guide a user through the PPI classification system by listing index titles and do not require knowledge of commodity or industry codes. Data retrieved are based on a query formulated by selecting data characteristics from lists provided. Two options are available to create customized tables, depending on a user’s browser capability. The one-screen option is a JavaScript application that uses a single screen to guide a user through the available time series data. The second option is a multiple-screen, non-Java-based application. Both methods allow a user to browse the PPI coding structure and select multiple series codes. Using the one-screen option, users can modify the date range and output options after executing the query using the reformat button above the data output table.

- **Series Report** is a form-based application that uses formatted PPI time series identifiers (commodity or industry codes) as input in extracting data according to a specified set of date ranges and output options. This application provides the most efficient path for users who are familiar with the format of PPI time series identifiers. Up to 300 indexes can be extracted at a time.

There are five alphabetic prefixes used to create unique PPI time series identifiers: WP, WD, PC, PD, and ND. Each provides the user access to a different PPI database. Adding either a “u” (not seasonally adjusted) or an “s” (seasonally adjusted) to the end of these prefixes further specifies the type of data needed.

## EXAMPLES

**For commodity and stage-of-processing indexes,** series identifiers combine a “wpu” prefix (not seasonally adjusted) or a “wps” prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wps141101	Passenger cars, seasonally adjusted
wpu141101	Passenger cars, not seasonally adjusted
wpusop3000	Finished goods, not seasonally adjusted

**For discontinued commodity indexes,** series identifiers combine a “wdu” prefix (not seasonally adjusted) or a “wds” prefix (seasonally adjusted) with a commodity code.

<u>Commodity code</u>	<u>Provides data for:</u>
wds019	Other farm products, seasonally adjusted
wdu0635	Preparations, ethical (prescription), not seasonally adjusted
wdusi138011	Stainless steel mill products, not seasonally adjusted

**Current price indexes grouped by industry according to NAICS** have series identifiers that begin with the prefix “pcu.” After the prefix, there are 12 digits (the 6-digit industry code is listed twice) followed by up to 7 alphanumeric characters identifying product detail. Dashes are used as placeholders for higher-level industry group codes.

*Industry-product code,*

current NAICS series

pcu325---325---

pcu336110336110

pcu621111621111411

pcu325412325412A

Provides data for:

Chemical manufacturing, not seasonally adjusted  
Automobile and light duty motor vehicle manufacturing  
Offices of physicians, one- and two-physician practices and single-specialty group practices, general/family practice  
Pharmaceutical preparation manufacturing, pharmaceuticals acting on the respiratory system

**Discontinued industry-product codes based on SIC** combine a “pdu” prefix and “#” between the fourth and fifth characters of the product code.

Series identifiers for the discontinued dataset use underscores as placeholders to complete a reference to an SIC industry group code of fewer than four digits. (All PPI industry-based indexes organized by SIC were discontinued with the introduction of NAICS.)

*Industry-product code,*

discontinued SIC series

pdu28\_#

pdu331\_#

pdu3711#111

Provides data for:

Chemicals and allied products, not seasonally adjusted  
Blast furnaces, steel works, and rolling and finishing mills, not seasonally adjusted  
Passenger cars

**Price indexes for discontinued series grouped by industry according to NAICS** have identifiers that begin with the prefix “ndu.” After the prefix, there are 12 numeric digits (the 6-digit industry code is listed twice), and up to 7 additional alphanumeric characters that identify product detail. Dashes are used as placeholders for higher-level industry group codes.

*Industry-product code,*  
discontinued NAICS series

ndu212231212231

ndu2122312122312

ndu212231212231214

Provides data for

Lead ore and zinc ore mining  
Lead and zinc concentrates  
Lead concentrates

- **Text Files (FTP)** and the FTP server are best suited for users requiring access to either a large volume of time series data or other PPI-related documentation (such as seasonal factor and relative importance tables). The FTP sites can be accessed at **ftp://ftp.bls.gov** or directly from the links on the “PPI Databases” page or the PPI homepage. Data and documentation available for download include the following:

Directory:

Industry Data	<b>/pub/time.series/pc</b>
Industry Data - Discontinued (NAICS basis)	<b>/pub/time.series/nd</b>
(SIC basis)	<b>/pub/time.series/pd</b>
Commodity Data	<b>/pub/time.series/wp</b>
Commodity Data - Discontinued Series	<b>/pub/time.series/wd</b>
Special requests	<b>/pub/special.requests/ppi</b>

The FTP site maintains files to help with searches and downloads. These files are centrally located in the **/pub/doc** directory. Within this directory, the **overview.txt** file contains an overview relating to all BLS data available through the FTP site. For current commodity-based PPI data, the program help file is **wp.txt**; for discontinued commodity series, **wd.txt**; for current industry-based PPI data based on NAICS, **pc.txt**; for industry-based SIC time series that have been discontinued, **pd.txt**; and for industry-based NAICS series that have been discontinued, **nd.txt**.

Users who prefer downloading PPI datasets as individual ZIP files should go to the directory labeled **/pub/time.series/compressed/tape.format/** on the FTP site. This directory includes six PPI-specific ZIP files, one for each of the PPI databases—WP, WD, PC, ND, and PD—and a ZIP file for the annual 5-year revision to historical seasonal PPIs.

**Other Sources of PPI Data**

PPI data can also be accessed via the BLS homepage (**www.bls.gov**). Clicking on the “Databases & Tables” tab at the top of the homepage calls up a listing all available BLS programs.

## **Additional information**

The PPI homepage ([www.bls.gov/ppi](http://www.bls.gov/ppi)) contains additional information regarding PPI data and methodology. The top section of the homepage provides PPI news releases, both current and archived, as well as general PPI information. The “Tables Created by BLS” section found beneath the

statistics section provides relative importance and seasonal factor tables. The remaining sections offer special notices and publications pertaining to PPI methodology and applications.

For questions or comments regarding PPI data classification, methodology, or data availability on the Internet, call or e-mail the Section of Index Analysis and Public Information at (202) 691-7705 or [ppi-info@bls.gov](mailto:ppi-info@bls.gov).

**Table 1. Producer price indexes and percent changes by stage of processing**  
[1982=100]

Grouping	Relative importance Dec. 2008 <sup>1</sup>	Unadjusted index			Unadjusted percent change to July 2009 from:		Seasonally adjusted percent change from:		
		Mar. 2009 <sup>2</sup>	June 2009 <sup>2</sup>	July 2009 <sup>2</sup>	July 2008	June 2009	Apr. to May	May to June	June to July
Finished goods.....	100.000	169.1	174.1	172.6	-6.8	-0.9	0.2	1.8	-0.9
Finished consumer goods.....	73.426	174.2	181.3	179.6	-8.9	-0.9	0.3	2.2	-1.1
Finished consumer foods.....	18.627	173.8	176.0	173.4	-4.2	-1.5	-1.6	1.1	-1.5
Crude.....	1.751	155.0	156.2	141.8	-13.6	-9.2	-18.7	15.4	-7.4
Processed.....	16.876	175.8	178.0	176.8	-3.2	-0.7	0.3	-0.2	-0.9
Finished consumer goods, excluding foods.....	54.799	173.5	182.2	180.7	-11.2	-0.8	0.9	2.5	-0.9
Nondurable goods less foods.....	38.724	185.2	198.0	196.5	-15.7	-0.8	1.4	3.1	-1.0
Durable goods.....	16.075	144.1	144.7	143.3	2.7	-1.0	0.0	0.9	-0.5
Capital equipment.....	26.574	156.9	156.6	156.0	1.8	-0.4	-0.1	0.5	-0.2
Manufacturing industries.....	5.925	159.4	159.2	158.9	0.8	-0.2	-0.1	0.1	0.0
Nonmanufacturing industries.....	20.649	155.9	155.6	154.9	2.1	-0.4	-0.1	0.6	-0.3
Intermediate materials, supplies, and components.....	100.000	168.0	172.6	172.4	-15.1	-0.1	0.3	1.9	-0.2
Materials and components for manufacturing.....	44.055	159.5	160.7	161.4	-13.9	0.4	-0.1	1.5	0.4
Materials for food manufacturing.....	3.556	163.2	166.1	163.4	-12.9	-1.6	0.7	-0.1	-1.8
Materials for nondurable manufacturing.....	13.440	182.3	189.2	191.8	-18.3	1.4	-0.3	4.6	1.4
Materials for durable manufacturing.....	9.940	165.8	162.9	163.7	-25.3	0.5	-0.6	0.5	0.6
Components for manufacturing.....	17.119	141.3	140.6	140.6	-0.5	0.0	0.0	0.1	0.0
Materials and components for construction.....	10.260	204.2	202.2	201.7	-3.9	-0.2	-0.1	0.0	-0.3
Processed fuels and lubricants.....	17.516	146.5	167.0	165.2	-33.9	-1.1	2.0	6.5	-1.6
Manufacturing industries.....	4.974	154.0	170.5	169.5	-27.6	-0.6	0.8	3.6	-1.1
Nonmanufacturing industries.....	12.542	144.1	166.1	164.0	-36.2	-1.3	2.4	7.7	-1.8
Containers.....	2.778	198.4	195.4	194.5	1.4	-0.5	-0.6	-0.2	-0.4
Supplies.....	25.391	171.9	172.8	172.2	-3.4	-0.3	0.2	0.3	-0.3
Manufacturing industries.....	3.140	168.8	166.9	167.8	-2.4	0.5	-0.3	-0.4	0.5
Nonmanufacturing industries.....	22.251	171.1	172.3	171.5	-3.9	-0.5	0.2	0.5	-0.5
Feeds.....	1.550	165.1	185.1	178.1	-14.6	-3.8	4.4	6.6	-3.8
Other supplies.....	20.700	173.0	172.7	172.5	-2.2	-0.1	-0.1	-0.1	-0.2
Crude materials for further processing.....	100.000	160.1	180.8	172.8	-44.8	-4.4	3.6	4.6	-4.5
Foodstuffs and feedstuffs.....	40.432	131.0	141.2	133.2	-25.5	-5.7	0.4	-0.4	-6.1
Nonfood materials.....	59.568	172.6	201.5	194.3	-53.2	-3.6	6.1	8.3	-3.4
Nonfood materials except fuel <sup>3</sup> .....	31.559	176.2	224.3	209.4	-47.5	-6.6	11.8	10.9	-6.6
Manufacturing <sup>3</sup> .....	29.852	163.0	210.0	195.4	-47.5	-7.0	12.4	11.4	-6.9
Construction.....	1.707	200.4	200.1	201.0	0.7	0.4	0.2	0.2	0.2
Crude fuel <sup>4</sup> .....	28.009	158.3	156.0	160.3	-60.9	2.8	-3.5	3.0	3.0
Manufacturing industries.....	0.879	183.2	183.0	183.7	-52.6	0.4	-1.0	2.5	0.9
Nonmanufacturing industries.....	27.130	160.6	158.2	162.8	-61.2	2.9	-3.6	3.1	3.1
<b>Special groupings</b>									
Finished goods, excluding foods.....	81.373 <sup>5</sup>	167.2	172.8	171.7	-7.6	-0.6	0.6	1.9	-0.7
Intermediate materials less foods and feeds.....	92.021 <sup>6</sup>	168.4	172.8	172.8	-15.1	0.0	0.2	2.0	-0.1
Intermediate foods and feeds.....	7.979 <sup>6</sup>	163.5	169.6	166.4	-14.9	-1.9	1.3	1.3	-2.0
Crude materials less agricultural products <sup>3, 7</sup> .....	57.029 <sup>8</sup>	175.5	204.2	198.2	-53.7	-2.9	5.8	8.4	-2.8
Finished energy goods.....	17.765 <sup>5</sup>	133.2	153.1	150.5	-29.7	-1.7	2.9	6.6	-2.4
Finished goods less energy.....	82.235 <sup>5</sup>	171.9	172.4	171.5	0.8	-0.5	-0.3	0.6	-0.4
Finished consumer goods less energy.....	55.661 <sup>5</sup>	178.5	179.5	178.3	0.3	-0.7	-0.6	0.7	-0.6
Finished goods less foods and energy.....	63.608 <sup>5</sup>	171.4	171.5	171.0	2.6	-0.3	-0.1	0.5	-0.1
Finished consumer goods less foods and energy.....	37.034 <sup>5</sup>	181.4	181.8	181.4	3.1	-0.2	-0.1	0.5	-0.1
Consumer nondurable goods less foods and energy.....	20.959 <sup>5</sup>	214.0	214.1	214.8	3.5	0.3	0.0	0.1	0.4
Intermediate energy goods.....	17.681 <sup>6</sup>	144.1	167.8	166.4	-34.4	-0.8	2.0	8.9	-1.4
Intermediate materials less energy.....	82.319 <sup>6</sup>	171.9	171.6	171.7	-8.6	0.1	-0.1	0.4	0.0
Intermediate materials less foods and energy.....	74.338 <sup>6</sup>	172.6	171.7	172.2	-8.2	0.3	-0.2	0.4	0.2
Crude energy materials <sup>3</sup> .....	41.383 <sup>8</sup>	153.3	184.1	172.5	-59.6	-6.3	5.3	10.9	-6.2
Crude materials less energy.....	58.617 <sup>8</sup>	156.4	168.7	163.5	-29.4	-3.1	2.2	0.5	-3.3
Crude nonfood materials less energy <sup>4</sup> .....	18.185 <sup>8</sup>	222.9	240.9	247.6	-35.9	2.8	6.7	2.6	2.9

1 Comprehensive relative importance figures are initially computed after the publication of December indexes and are recalculated after final December indexes are available. Individual items and subtotals may not add exactly to totals because of rounding differences.

2 The indexes for March 2009 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]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to July 2009 from:		Seasonally adjusted percent change from:		
		Mar. 2009 <sup>1</sup>	June 2009 <sup>1</sup>	July 2009 <sup>1</sup>	July 2008	June 2009	Apr. to May	May to June	June to July
<b>Finished goods.....</b>		169.1	174.1	172.6	-6.8	-0.9	0.2	1.8	-0.9
Finished consumer goods.....		174.2	181.3	179.6	-8.9	-0.9	0.3	2.2	-1.1
Finished consumer foods.....		173.8	176.0	173.4	-4.2	-1.5	-1.6	1.1	-1.5
Fresh fruits and melons <sup>2</sup> .....	01-11	104.2	102.2	100.3	-12.5	-1.9	-5.9	2.2	-1.9
Fresh and dry vegetables <sup>2</sup> .....	01-13	166.9	169.2	149.4	-7.5	-11.7	-20.9	21.8	-11.7
Eggs for fresh use (Dec 1991=100).....	01-71-07	118.2	111.1	102.8	-16.5	-7.5	-27.0	12.2	-5.9
Bakery products <sup>2</sup> .....	02-11	246.4	245.9	245.9	2.5	0.0	-0.6	0.4	0.0
Milled rice <sup>2</sup> .....	02-13	219.9	200.9	197.6	-33.1	-1.6	-0.8	-3.0	-1.6
Pasta products (June 1985=100) <sup>2</sup> .....	02-14-02	183.4	183.1	180.5	-4.5	-1.4	0.0	-0.9	-1.4
Beef and veal <sup>2</sup> .....	02-21-01	134.9	148.9	140.0	-16.3	-6.0	9.2	-2.9	-6.0
Pork.....	02-21-04	113.6	116.4	115.3	-16.1	-0.9	-4.3	-1.4	-2.8
Processed young chickens.....	02-22-03	146.5	157.8	155.1	4.3	-1.7	0.6	3.1	-3.5
Processed turkeys.....	02-22-06	119.1	122.6	118.1	-3.7	-3.7	-2.1	-1.0	-3.8
Finfish and shellfish <sup>2</sup> .....	02-23	260.2	240.1	248.6	-1.9	3.5	1.6	-9.4	3.5
Dairy products <sup>2</sup> .....	02-3	152.5	152.6	151.7	-19.8	-0.6	-0.5	-0.3	-0.6
Processed fruits and vegetables.....	02-4	175.8	176.8	176.1	6.5	-0.4	0.7	0.3	0.0
Confectionery end products <sup>2</sup> .....	02-55	230.4	229.7	230.3	5.4	0.3	-0.3	0.0	0.3
Soft drinks <sup>2</sup> .....	02-62	181.1	180.2	180.2	2.3	0.0	-2.0	0.7	0.0
Roasted coffee <sup>2</sup> .....	02-63-01	176.4	179.5	180.0	-0.1	0.3	-0.9	0.2	0.3
Shortening and cooking oils <sup>2</sup> .....	02-78	226.3	226.7	216.3	-34.5	-4.6	2.6	-2.5	-4.6
Frozen specialties <sup>2</sup> .....	02-85	177.7	177.8	179.0	4.7	0.7	0.3	-0.2	0.7
Finished consumer goods excluding foods.....		173.5	182.2	180.7	-11.2	-0.8	0.9	2.5	-0.9
Alcoholic beverages.....	02-61	171.8	172.2	171.7	3.4	-0.3	0.3	0.2	-0.2
Pet food <sup>2</sup> .....	02-94-02	224.6	225.7	225.7	1.9	0.0	0.2	0.2	0.0
Women's, girls', & infants' apparel (Dec 2003=100) <sup>2</sup> .....	03-81-06	102.2	102.1	102.0	1.6	-0.1	-0.1	-0.1	-0.1
Men's and boys' apparel (Dec 2003=100) <sup>2</sup> .....	03-81-07	101.2	101.3	101.0	1.2	-0.3	0.3	-0.4	-0.3
Textile furnishings.....	03-82	129.2	129.1	128.8	1.5	-0.2	0.0	0.4	-0.5
Footwear <sup>2</sup> .....	04-3	159.7	159.9	159.8	1.3	-0.1	-0.1	-0.1	-0.1
Residential electric power (Dec 1990=100).....	05-41	149.1	152.0	154.2	1.7	1.4	-0.3	-0.9	0.7
Residential gas (Dec 1990=100).....	05-51	215.8	195.0	201.4	-30.9	3.3	-4.7	2.5	3.3
Gasoline.....	05-71	135.0	206.8	188.5	-45.2	-8.8	13.9	18.5	-10.2
Home heating oil and distillates.....	05-73-02	134.0	169.7	150.5	-63.6	-11.3	0.6	15.4	-11.9
Pharmaceutical preparations (June 2001=100) <sup>2</sup> .....	06-38	144.5	146.3	148.0	7.1	1.2	-0.3	0.8	1.2
Soaps and synthetic detergents <sup>2</sup> .....	06-71	161.9	161.6	161.9	6.0	0.2	-0.9	0.4	0.2
Cleaning and polishing products (June 1983=100) <sup>2</sup> .....	06-72	170.7	171.5	169.6	3.8	-1.1	0.4	0.5	-1.1
Cosmetics and other toilet preparations <sup>2</sup> .....	06-75	147.6	148.1	148.4	0.5	0.2	-1.3	0.3	0.2
Tires, tubes, tread, etc <sup>2</sup> .....	07-12	131.2	128.9	129.2	0.2	0.2	-0.1	-0.7	0.2
Sanitary paper products <sup>2</sup> .....	09-15-01	179.6	179.0	179.3	5.3	0.2	-0.3	-0.1	0.2
Household furniture <sup>2</sup> .....	12-1	187.4	187.9	187.7	3.4	-0.1	-0.1	0.2	-0.1
Floor coverings <sup>2</sup> .....	12-3	163.5	162.9	163.2	1.6	0.2	-0.1	-0.2	0.2
Household appliances <sup>2</sup> .....	12-4	112.3	111.6	111.0	3.8	-0.5	-0.4	-0.3	-0.5
Home electronic equipment <sup>2</sup> .....	12-5	54.9	54.7	54.0	-5.3	-1.3	-0.9	0.0	-1.3
Household glassware <sup>2</sup> .....	12-62	199.3	197.7	197.9	4.8	0.1	-0.7	-0.1	0.1
Household flatware <sup>2</sup> .....	12-64	191.9	192.7	192.7	-0.9	0.0	-	-	0.0
Lawn and garden equip, ex tractors <sup>2</sup> .....	12-66	143.1	142.7	142.8	1.7	0.1	-0.1	-0.1	0.1
Passenger cars.....	14-11-01	130.4	131.5	128.6	1.0	-2.2	0.1	2.0	-1.7
Travel trailers and campers (June 1984=100) <sup>2</sup> .....	14-16	169.3	169.8	169.9	1.7	0.1	0.4	0.3	0.1
Toys, games, and children's vehicles <sup>2</sup> .....	15-11	142.3	142.3	142.7	6.1	0.3	-0.1	0.0	0.3
Sporting and athletic goods <sup>2</sup> .....	15-12	132.9	130.5	131.0	0.8	0.4	-0.5	-1.2	0.4
Tobacco products <sup>2</sup> .....	15-2	549.3	540.8	541.9	5.8	0.2	0.7	-0.1	0.2
Mobile homes <sup>2</sup> .....	15-5	222.1	221.9	221.9	0.8	0.0	-0.4	0.1	0.0
Jewelry, platinum, & karat gold <sup>2</sup> .....	15-94-02	168.1	168.9	167.8	-0.5	-0.7	0.0	1.0	-0.7
Costume jewelry and novelties <sup>2</sup> .....	15-94-04	159.5	159.4	159.5	-0.1	0.1	0.0	0.1	0.1
Capital equipment.....		156.9	156.6	156.0	1.8	-0.4	-0.1	0.5	-0.2
Agricultural machinery and equipment <sup>2</sup> .....	11-1	199.2	199.1	200.5	3.5	0.7	-0.1	0.0	0.7
Construction machinery and equipment.....	11-2	191.8	191.6	191.9	3.5	0.2	-0.1	0.4	0.2
Metal cutting machine tools <sup>2</sup> .....	11-37	173.7	173.8	175.6	2.5	1.0	-0.5	-0.1	1.0
Metal forming machine tools <sup>2</sup> .....	11-38	197.2	197.5	197.4	1.9	-0.1	-0.1	0.0	-0.1
Tools, dies, jigs, fixtures, and ind. molds <sup>2</sup> .....	11-39	145.5	142.9	143.9	-1.0	0.7	0.1	-1.2	0.7
Pumps, compressors, and equipment <sup>2</sup> .....	11-41	212.1	213.2	212.6	3.3	-0.3	-0.1	0.0	-0.3
Industrial material handling equipment <sup>2</sup> .....	11-44	180.9	181.3	181.8	2.5	0.3	-0.3	0.1	0.3

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]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to July 2009 from:		Seasonally adjusted percent change from:		
		Mar. 2009 <sup>1</sup>	June 2009 <sup>1</sup>	July 2009 <sup>1</sup>	July 2008	June 2009	Apr. to May	May to June	June to July
<b>Capital equipment - Continued</b>									
Electronic computers (Dec 2004=100) <sup>2</sup>	11-51	35.8	33.4	32.9	-19.6	-1.5	0.0	-4.0	-1.5
Textile machinery <sup>2</sup>	11-62	166.5	166.3	166.5	0.5	0.1	-0.1	0.0	0.1
Paper industries machinery (June 1982=100) <sup>2</sup>	11-64	193.8	193.8	193.8	2.1	0.0	0.0	0.0	0.0
Printing trades machinery <sup>2</sup>	11-65	157.5	157.4	157.4	3.0	0.0	0.3	-0.5	0.0
Transformers and power regulators <sup>2</sup>	11-74	207.8	207.2	208.6	-7.4	0.7	0.1	1.0	0.7
Communication & related equip (Dec 1985=100) <sup>2</sup>	11-76	105.7	105.8	105.7	0.7	-0.1	-0.2	0.2	-0.1
X-ray and electromedical equipment <sup>2</sup>	11-79-05	90.3	90.0	90.6	-1.4	0.7	-0.6	0.0	0.7
Oil field and gas field machinery	11-91	204.2	199.9	204.0	0.8	2.1	1.3	-2.6	2.1
Mining machinery and equipment	11-92	216.6	216.9	217.3	4.8	0.2	0.1	0.0	0.3
Office and store machines and equipment <sup>2</sup>	11-93	128.2	130.1	129.7	0.8	-0.3	5.1	0.9	-0.3
Commercial furniture <sup>2</sup>	12-2	196.4	195.7	196.0	2.4	0.2	0.1	0.5	0.2
Light motor trucks	14-11-05	150.6	153.4	150.1	8.5	-2.2	0.0	3.4	-0.7
Heavy motor trucks <sup>2</sup>	14-11-06	188.7	189.7	190.7	4.8	0.5	0.5	0.0	0.5
Truck trailers <sup>2</sup>	14-14	177.4	177.9	177.8	-0.7	-0.1	-0.3	0.6	-0.1
Civilian aircraft (Dec 1985=100)	14-21-02	238.8	232.3	232.6	1.3	0.1	-0.9	-0.7	-0.2
Ships (Dec 1985=100) <sup>2</sup>	14-31	208.6	212.6	211.7	5.5	-0.4	1.9	0.9	-0.4
Railroad equipment <sup>2</sup>	14-4	181.6	181.5	179.6	-0.7	-1.0	-1.6	0.0	-1.0
<b>Intermediate materials, supplies, and components</b>		168.0	172.6	172.4	-15.1	-0.1	0.3	1.9	-0.2
Intermediate foods and feeds		163.5	169.6	166.4	-14.9	-1.9	1.3	1.3	-2.0
Flour <sup>2</sup>	02-12-03	191.1	202.2	180.0	-23.1	-11.0	0.8	7.0	-11.0
Refined sugar and byproducts <sup>2</sup>	02-53	156.5	155.6	156.6	16.7	0.6	-1.6	0.3	0.6
Confectionery materials	02-54	185.1	184.2	183.0	3.6	-0.7	0.9	0.4	0.3
Soft drink beverage bases (Dec 1985=100) <sup>2</sup>	02-64-01-11	225.3	225.9	224.8	6.3	-0.5	0.0	0.1	-0.5
Processed eggs <sup>2</sup>	02-83	120.2	101.9	105.7	-44.5	3.7	-10.6	-1.0	3.7
Prepared animal feeds <sup>2</sup>	02-9	171.0	187.6	181.5	-11.9	-3.3	3.5	5.3	-3.3
Intermediate materials less foods and feeds		168.4	172.8	172.8	-15.1	0.0	0.2	2.0	-0.1
Synthetic fibers <sup>2</sup>	03-1	110.8	111.5	111.2	-5.4	-0.3	-5.3	1.5	-0.3
Processed yarns and threads <sup>2</sup>	03-2	119.2	118.9	119.7	-4.2	0.7	0.0	0.7	0.7
Gray fabrics <sup>2</sup>	03-3	126.3	128.6	126.5	1.9	-1.6	0.4	0.1	-1.6
Finished fabrics <sup>2</sup>	03-4	135.1	134.0	134.4	1.1	0.3	-0.9	0.1	0.3
Industrial textile products <sup>2</sup>	03-83-03	147.2	147.3	147.5	2.6	0.1	0.7	0.1	0.1
Leather <sup>2</sup>	04-2	228.2	221.2	218.6	-6.2	-1.2	-1.6	0.9	-1.2
Liquefied petroleum gas <sup>2</sup>	05-32	169.7	199.1	222.4	-58.8	11.7	8.6	14.6	11.7
Commercial electric power	05-42	174.6	182.1	186.5	2.6	2.4	-1.1	-0.3	1.8
Industrial electric power	05-43	187.6	192.3	196.1	0.0	2.0	-0.9	-2.0	1.5
Commercial natural gas (Dec 1990=100)	05-52	223.7	197.7	208.7	-34.7	5.6	-5.5	0.3	4.4
Industrial natural gas (Dec 1990=100)	05-53	228.5	202.5	201.8	-40.3	-0.3	-6.2	3.2	0.1
Natural gas to electric utilities (Dec 1990=100)	05-54	171.3	160.7	155.9	-35.5	-3.0	5.1	2.6	-0.9
Jet fuels	05-72-03	123.1	172.9	178.1	-56.6	3.0	-1.0	26.7	-0.8
No 2 Diesel fuel	05-73-03	139.2	191.1	173.9	-59.7	-9.0	4.5	14.6	-8.0
Residual fuels <sup>2</sup>	05-74	122.1	160.6	154.8	-50.9	-3.6	-4.0	40.5	-3.6
Basic inorganic chemicals <sup>2</sup>	06-13	297.0	279.8	274.9	2.3	-1.8	-0.4	-1.4	-1.8
Basic organic chemicals <sup>2</sup>	06-14	205.3	218.2	225.5	-31.0	3.3	0.5	7.1	3.3
Prepared paint	06-21	237.1	237.3	237.3	8.0	0.0	0.2	0.3	0.2
Paint materials <sup>2</sup>	06-22	220.6	215.8	215.3	-3.0	-0.2	-0.8	0.0	-0.2
Medicinal and botanical chemicals <sup>2</sup>	06-31	167.9	168.9	168.8	4.5	-0.1	0.3	-0.1	-0.1
Fats and oils, inedible <sup>2</sup>	06-4	187.9	233.6	205.0	-41.6	-12.2	5.5	7.0	-12.2
Mixed fertilizers	06-51	207.7	194.0	183.4	-34.3	-5.5	-1.9	-4.3	-7.3
Nitrogenates	06-52-01	260.3	235.9	237.0	-39.7	0.5	-1.0	-10.0	2.6
Phosphates <sup>2</sup>	06-52-02	233.2	162.3	168.6	-62.4	3.9	-2.0	-27.4	3.9
Other agricultural chemicals <sup>2</sup>	06-53	189.0	178.2	184.3	8.2	3.4	-0.3	-6.0	3.4
Plastic resins and materials <sup>2</sup>	06-6	188.6	190.4	198.1	-13.6	4.0	-0.2	0.6	4.0
Synthetic rubber <sup>2</sup>	07-11-02	180.6	179.7	175.8	-17.2	-2.2	-2.2	2.9	-2.2
Plastic construction products <sup>2</sup>	07-21	186.3	185.7	185.3	-1.0	-0.2	-0.1	-0.1	-0.2
Unsupported plastic film, sheet, & other shapes <sup>2</sup>	07-22	189.3	189.9	191.1	-3.5	0.6	-0.4	0.5	0.6
Plastic parts and components for manufacturing <sup>2</sup>	07-26	134.8	132.6	133.7	1.1	0.8	-0.2	-1.1	0.8
Softwood lumber <sup>2</sup>	08-11	134.8	136.5	145.6	-10.1	6.7	-2.1	1.7	6.7
Hardwood lumber <sup>2</sup>	08-12	170.1	167.3	168.6	-8.4	0.8	0.5	-0.6	0.8
Millwork	08-2	206.3	205.9	205.4	0.0	-0.2	0.0	0.1	-0.2
Plywood <sup>2</sup>	08-3	163.9	159.2	162.5	-7.8	2.1	-0.6	-0.3	2.1
Treated wood (June 1985=100)	08-71-01	160.4	157.2	162.4	-7.4	3.3	-0.8	-2.9	4.1
Woodpulp <sup>2</sup>	09-11	152.7	141.5	144.3	-17.1	2.0	-2.5	-3.5	2.0

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]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to July 2009 from:		Seasonally adjusted percent change from:		
		Mar. 2009 <sup>1</sup>	June 2009 <sup>1</sup>	July 2009 <sup>1</sup>	July 2008	June 2009	Apr. to May	May to June	June to July
<b>Intermediate materials less foods and feeds - Continued</b>									
Paper <sup>2</sup> .....	09-13	184.8	177.6	176.6	-4.8	-0.6	-1.9	-1.1	-0.6
Paperboard <sup>2</sup> .....	09-14	216.7	201.6	201.5	-4.7	0.0	-3.2	-1.5	0.0
Paper boxes and containers .....	09-15-03	215.3	211.6	210.1	2.1	-0.7	-0.4	-0.9	-0.7
Building paper and board <sup>2</sup> .....	09-2	157.2	153.3	156.0	-9.1	1.8	-0.7	-0.6	1.8
Commercial printing (June 1982=100) <sup>2</sup> .....	09-47	168.2	167.2	166.0	-2.4	-0.7	-0.5	-0.1	-0.7
Foundry and forge shop products <sup>2</sup> .....	10-15	187.8	182.6	182.4	-8.3	-0.1	-0.8	2.4	-0.1
Steel mill products <sup>2</sup> .....	10-17	167.3	151.2	153.8	-38.9	1.7	-2.7	-0.7	1.7
Primary nonferrous metals <sup>2</sup> .....	10-22	157.6	164.6	167.6	-44.3	1.8	8.2	4.2	1.8
Aluminum mill shapes <sup>2</sup> .....	10-25-01	148.0	149.4	152.9	-22.7	2.3	1.4	0.2	2.3
Copper and brass mill shapes <sup>2</sup> .....	10-25-02	280.7	357.7	324.7	-27.3	-9.2	0.8	6.0	-9.2
Titanium mill shapes <sup>2</sup> .....	10-25-05	281.1	232.8	227.4	-7.9	-2.3	-3.9	6.2	-2.3
Nonferrous wire and cable <sup>2</sup> .....	10-26	198.5	222.8	221.0	-16.9	-0.8	2.0	0.8	-0.8
Metal containers <sup>2</sup> .....	10-3	156.4	155.2	155.5	6.0	0.2	-0.4	0.9	0.2
Hardware <sup>2</sup> .....	10-4	194.9	192.2	192.9	0.8	0.4	-1.1	-0.1	0.4
Plumbing fixtures and brass fittings <sup>2</sup> .....	10-5	228.7	229.4	229.4	0.5	0.0	0.0	0.0	0.0
Heating equipment .....	10-6	218.4	218.9	219.0	3.6	0.0	0.3	0.0	-0.1
Fabricated structural metal products <sup>2</sup> .....	10-7	206.3	199.5	197.5	-6.9	-1.0	-0.7	-0.7	-1.0
Fabricated ferrous wire products (June 1982=100) <sup>2</sup> .....	10-88	198.7	200.8	196.2	-7.5	-2.3	0.5	0.0	-2.3
Other misc metal products <sup>2</sup> .....	10-89	155.3	154.9	154.9	1.0	0.0	0.1	0.3	0.0
Mechanical power transmission equipment .....	11-45	232.3	231.7	231.6	3.7	0.0	0.0	0.0	-0.8
Air conditioning and refrigeration equipment .....	11-48	166.0	164.9	164.2	0.2	-0.4	-0.8	-0.4	-0.5
Metal valves, ex.fluid power (Dec. 1982=100) <sup>2</sup> .....	11-49-02	245.7	246.4	246.0	1.7	-0.2	0.0	0.2	-0.2
Ball and roller bearings <sup>2</sup> .....	11-49-05	220.0	225.0	224.2	3.4	-0.4	2.5	-0.3	-0.4
Wiring devices <sup>2</sup> .....	11-71	206.3	205.4	205.6	-2.0	0.1	-0.3	0.0	0.1
Motors, generators, motor generator sets <sup>2</sup> .....	11-73	187.3	186.8	186.6	2.0	-0.1	0.1	-0.2	-0.1
Switchgear, switchboard, etc, equipment <sup>2</sup> .....	11-75	200.8	200.4	200.3	2.8	0.0	-1.3	0.6	0.0
Electronic components and accessories <sup>2</sup> .....	11-78	75.8	75.3	75.7	-1.8	0.5	0.1	-0.9	0.5
Internal combustion engines <sup>2</sup> .....	11-94	161.7	161.7	163.3	3.5	1.0	0.0	0.1	1.0
Machine shop products <sup>2</sup> .....	11-95	174.9	174.9	174.8	1.6	-0.1	0.4	0.0	-0.1
Flat glass <sup>2</sup> .....	13-11	116.6	116.1	114.7	-1.5	-1.2	-0.3	0.4	-1.2
Cement <sup>2</sup> .....	13-22	206.9	208.8	208.4	-0.8	-0.2	0.0	-1.1	-0.2
Concrete products .....	13-3	215.7	214.7	213.9	1.4	-0.4	0.1	0.3	-0.5
Asphalt felts and coatings .....	13-6	225.9	224.8	222.0	15.9	-1.2	1.6	4.3	-4.7
Gypsum products <sup>2</sup> .....	13-7	221.4	215.0	213.0	1.3	-0.9	-2.4	-0.7	-0.9
Glass containers .....	13-8	179.0	178.7	178.8	3.1	0.1	1.6	-0.7	0.2
Motor vehicle parts <sup>2</sup> .....	14-12	120.9	121.0	120.9	0.6	-0.1	0.2	0.0	-0.1
Aircraft engines & engine parts (Dec 1985=100) .....	14-23	192.9	193.6	193.6	4.1	0.0	0.5	0.4	0.3
Aircraft parts & aux. equip.,nec (June 1985=100) <sup>2</sup> .....	14-25	166.9	166.9	168.1	2.4	0.7	0.2	-0.4	0.7
Photographic supplies <sup>2</sup> .....	15-42	129.7	128.0	128.0	1.6	0.0	-0.6	-5.2	0.0
Medical/surgical/personal aid devices .....	15-6	167.5	167.5	168.2	1.2	0.4	0.4	0.0	0.4
<b>Crude materials for further processing .....</b>		<b>160.1</b>	<b>180.8</b>	<b>172.8</b>	<b>-44.8</b>	<b>-4.4</b>	<b>3.6</b>	<b>4.6</b>	<b>-4.5</b>
Crude foodstuffs and feedstuffs .....		131.0	141.2	133.2	-25.5	-5.7	0.4	-0.4	-6.1
Wheat <sup>2</sup> .....	01-21	158.4	172.7	148.9	-31.6	-13.8	9.2	3.3	-13.8
Corn <sup>2</sup> .....	01-22-02	147.9	173.9	140.5	-41.6	-19.2	10.7	4.6	-19.2
Slaughter cattle <sup>2</sup> .....	01-31	118.6	120.6	123.2	-14.9	2.2	-2.2	-4.5	2.2
Slaughter hogs .....	01-32	73.7	70.1	70.2	-19.8	0.1	-13.3	-6.5	2.4
Slaughter broilers/fryers .....	01-41-02	195.4	234.2	214.4	-7.7	-8.5	11.9	0.5	-10.7
Slaughter turkeys .....	01-42	138.7	153.6	151.9	-14.9	-1.1	1.5	-0.4	-4.5
Fluid milk .....	01-6	88.3	85.4	84.6	-41.8	-0.9	-4.5	-4.7	-0.8
Soybeans <sup>2</sup> .....	01-83-01-31	150.9	213.0	182.5	-29.7	-14.3	9.8	10.2	-14.3
Cane sugar, raw (Dec 2003=100) <sup>2</sup> .....	02-52-01-03	119.0	123.6	123.8	0.9	0.2	-0.6	2.0	0.2
Crude nonfood materials .....		172.6	201.5	194.3	-53.2	-3.6	6.1	8.3	-3.4
Raw cotton <sup>2</sup> .....	01-51	68.3	74.0	76.3	-22.8	3.1	2.5	1.2	3.1
Hides and skins <sup>2</sup> .....	04-1	121.7	105.8	109.9	-45.6	3.9	3.2	10.1	3.9
Coal .....	05-1	188.5	191.4	187.4	10.4	-2.1	2.0	1.7	-1.4
Natural gas <sup>2</sup> .....	05-31	146.8	142.7	149.9	-69.4	5.0	-5.7	3.5	5.0
Crude petroleum <sup>2</sup> .....	05-61	122.6	188.9	158.9	-58.7	-15.9	18.6	20.3	-15.9
Logs, timber, etc <sup>2</sup> .....	08-5	184.3	179.1	177.7	-19.3	-0.8	1.6	-0.3	-0.8
Wastepaper <sup>2</sup> .....	09-12	200.9	249.6	250.3	-37.5	0.3	5.5	11.7	0.3
Iron ore <sup>2</sup> .....	10-11	157.9	153.1	140.4	-3.3	-8.3	0.0	0.0	-8.3

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]

Grouping	Commodity code	Unadjusted index			Unadjusted percent change to July 2009 from:		Seasonally adjusted percent change from:		
		Mar. 2009 <sup>1</sup>	June 2009 <sup>1</sup>	July 2009 <sup>1</sup>	July 2008	June 2009	Apr. to May	May to June	June to July
Crude nonfood materials - Continued									
Iron and steel scrap <sup>2</sup> .....	10-12	272.4	289.8	347.9	-56.7	20.0	18.8	1.6	20.0
Nonferrous metal ores (Dec 1983=100) <sup>2</sup> .....	10-21	183.6	210.0	212.0	-26.2	1.0	10.5	5.4	1.0
Copper base scrap <sup>2</sup> .....	10-23-01	262.3	391.3	398.9	-31.8	1.9	7.5	5.7	1.9
Aluminum base scrap .....	10-23-02	132.4	157.5	166.2	-47.1	5.5	13.0	3.3	8.5
Construction sand, gravel, and crushed stone .....	13-21	259.0	258.5	259.8	4.5	0.5	0.2	0.2	0.2
Industrial sand .....	13-99-01	238.0	240.6	238.9	7.8	-0.7	0.0	-0.5	-0.1

1 The indexes for March 2009 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.

"-" Data not available.

**Table 3. Producer price indexes for selected commodity groupings**  
[1982=100, unless otherwise indicated]

Grouping	Commodity code	Unadjusted index <sup>1</sup>		
		Mar. 2009	June 2009	July 2009
All commodities.....		168.1	174.1	172.7
<b>Major commodity groups</b>				
Farm products and processed foods and feeds.....		158.9	165.3	160.3
Farm products.....	01	130.6	142.2	131.6
Processed foods and feeds.....	02	174.4	178.0	176.1
Industrial commodities.....		169.5	175.5	174.8
Textile products and apparel.....	03	129.4	129.4	129.2
Hides, skins, leather, and related products.....	04	157.9	153.3	153.3
Fuels and related products and power.....	05	140.2	165.1	161.3
Chemicals and allied products.....	06	225.8	227.5	230.3
Rubber and plastic products.....	07	164.9	163.4	164.1
Lumber and wood products.....	08	181.7	180.4	182.3
Pulp, paper, and allied products.....	09	226.7	224.6	223.9
Metals and metal products.....	10	181.7	181.5	183.1
Machinery and equipment.....	11	131.5	131.2	131.4
Furniture and household durables.....	12	153.3	153.0	152.8
Nonmetallic mineral products.....	13	203.9	202.9	202.0
Transportation equipment.....	14	162.2	162.5	161.2
Miscellaneous products.....	15	220.0	216.5	216.7
Industrial commodities less fuels and related products and power.....		175.6	175.2	175.6
<b>Other commodity groupings</b>				
Fruits and melons, fresh and dry vegetables, and tree nuts.....	01-1	145.1	146.4	136.1
Grains.....	01-2	151.5	173.9	142.7
Slaughter livestock.....	01-3	109.6	110.0	111.7
Slaughter poultry.....	01-4	181.8	215.4	199.3
Plant and animal fibers.....	01-5	69.2	74.6	77.0
Chicken eggs.....	01-7	133.4	121.9	114.7
Hay, hayseeds, and oilseeds.....	01-8	182.7	237.2	206.5
Oilseeds.....	01-83	167.9	232.5	199.9
Cereal and bakery products.....	02-1	224.3	224.5	221.3
Meats, poultry, and fish.....	02-2	143.6	149.4	146.7
Processed poultry.....	02-22	140.2	147.5	146.3
Sugar and confectionery.....	02-5	192.2	191.7	192.0
Beverages and beverage materials.....	02-6	179.0	179.0	178.8
Packaged beverage materials.....	02-63	174.5	177.1	177.6
Fats and oils.....	02-7	223.4	228.1	221.0
Apparel.....	03-81	129.4	129.3	129.0
Other leather and related products.....	04-4	159.7	160.5	159.5
Gas fuels.....	05-3	150.1	153.9	165.6
Electric power.....	05-4	177.3	182.7	186.0
Refined petroleum products.....	05-7	131.7	193.9	181.0
Drugs and pharmaceuticals.....	06-3	360.0	363.8	367.0
Agricultural chemicals and products.....	06-5	218.6	188.4	190.8
Other chemicals and allied products.....	06-7	176.2	175.4	175.5
Rubber and rubber products.....	07-1	153.8	152.0	151.7
Rubber, except natural rubber.....	07-11	179.7	178.7	174.8
Miscellaneous rubber products.....	07-13	169.6	167.9	168.4
Plastic products.....	07-2	174.7	173.3	174.3
Lumber.....	08-1	144.8	144.9	151.2
Pulp, paper, and products, excluding building paper and board.....	09-1	196.6	192.4	191.9
Converted paper and paperboard products.....	09-15	204.6	202.2	201.4
Iron and steel.....	10-1	179.8	169.0	176.3
Nonferrous metals.....	10-2	176.6	194.1	194.2
Nonferrous mill shapes.....	10-25	163.3	176.1	171.3
Metalworking machinery and equipment.....	11-3	171.6	170.0	170.8
General purpose machinery and equipment.....	11-4	199.3	199.5	199.2
Special industry machinery.....	11-6	189.6	189.8	189.4
Electrical machinery and equipment.....	11-7	113.5	113.2	113.5
Miscellaneous machinery and equipment.....	11-9	171.6	171.1	171.8
Other household durable goods.....	12-6	178.6	178.7	178.5
Concrete ingredients.....	13-2	235.7	236.1	236.7
Motor vehicles and equipment.....	14-1	136.6	137.6	136.0
Toys, sporting goods, small arms, etc.....	15-1	148.8	147.1	147.6
Photographic equipment and supplies.....	15-4	115.0	113.8	113.8
Other miscellaneous products.....	15-9	160.3	161.8	161.2

<sup>1</sup> Data for March 2009 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.

**Table 4. Producer price indexes for the net output of selected industries and industry groups, not seasonally adjusted**

Industry <sup>1</sup>	Industry code	Index base	Index			Percent change to July 2009 from:	
			Mar. 2009 <sup>2</sup>	June 2009 <sup>2</sup>	July 2009 <sup>2</sup>	July 2008	June 2009
<b>Total mining, utilities, and manufacturing industries.</b>		12/06	103.9	107.0	106.5	-10.4	-0.5
<b>Total mining industries.</b>		12/84	159.1	181.0	175.0	-51.9	-3.3
Oil and gas extraction	211	12/85	154.1	191.7	183.3	-62.6	-4.4
Mining (except oil & gas)	212	12/03	186.1	189.6	188.2	-1.9	-0.7
Mining support activities	213	12/03	168.7	154.3	150.1	-14.7	-2.7
<b>Utilities.</b>	221	12/03	130.4	129.1	131.8	-10.2	2.1
<b>Total manufacturing industries.</b>		12/84	162.9	168.5	167.2	-9.9	-0.8
Food mfg.	311	12/84	167.6	171.4	169.7	-5.9	-1.0
Beverage & tobacco mfg.	312	12/03	120.3	119.5	119.7	4.1	0.2
Textile mills	313	12/84	112.3	112.4	112.3	-0.3	-0.1
Textile product mills	314	12/03	114.2	114.5	113.6	0.5	-0.8
Apparel manufacturing	315	12/03	103.5	103.5	103.6	1.3	0.1
Leather and allied product manufacturing	316	12/84	154.7	153.6	153.5	-0.2	-0.1
Wood product manufacturing	321	12/03	103.2	102.1	103.2	-5.2	1.1
Paper manufacturing	322	12/03	125.5	122.3	122.0	0.2	-0.2
Printing and related support activities	323	12/03	109.6	109.0	108.5	-1.2	-0.5
Petroleum and coal products manufacturing	324	12/84	168.0	238.4	227.0	-47.2	-4.8
Chemical mfg.	325	12/84	224.6	223.3	224.9	-4.1	0.7
Plastics and rubber products mfg.	326	12/84	161.2	159.8	160.3	-1.6	0.3
Nonmetallic mineral product mfg.	327	12/84	175.3	174.5	173.9	1.7	-0.3
Primary metal mfg.	331	12/84	169.5	163.7	164.3	-29.4	0.4
Fabricated metal product mfg.	332	12/84	177.0	174.3	173.5	-2.1	-0.5
Machinery mfg.	333	12/03	120.4	120.2	120.5	2.2	0.2
Computer & electronic product mfg.	334	12/03	92.4	92.3	92.4	-0.4	0.1
Electrical equipment, appliance & component mfg.	335	12/03	127.3	128.4	128.4	-0.5	0.0
Transportation equipment mfg.	336	12/03	109.4	109.5	108.6	2.5	-0.8
Furniture & related product mfg.	337	12/84	176.8	177.0	177.1	2.8	0.1
Miscellaneous mfg.	339	12/03	111.6	111.5	111.7	0.8	0.2
<b>Total trade industries.</b>		12/06	111.6	111.7	111.3	2.0	-0.4
<b>Total wholesale trade industries.</b>		12/06	116.1	116.6	116.5	6.5	-0.1
Merchant wholesalers, durable goods	423	06/04	120.8	121.7	119.5	1.7	-1.8
Merchant wholesalers, nondurable goods	424	06/05	132.4	132.6	135.4	13.3	2.1
Wholesale trade agents and brokers	425	06/05	111.0	110.9	111.0	0.2	0.1
<b>Total retail trade industries.</b>		12/06	108.6	108.4	107.8	-1.2	-0.6
Motor vehicle and parts dealers	441	12/03	118.0	119.3	118.2	-0.2	-0.9
Furniture and home furnishings stores	442	12/03	120.8	121.9	120.2	-0.1	-1.4
Electronics and appliance stores	443	12/03	105.4	103.0	104.3	-2.1	1.3
Bldg material and garden equip and supp dealers	444	12/03	121.2	120.1	117.5	-3.0	-2.2
Food and beverage stores	445	12/99	157.1	154.6	153.6	2.3	-0.6
Health and personal care stores	446	12/03	136.3	136.5	135.4	1.2	-0.8
Gasoline stations	447	06/01	63.1	69.6	75.7	-1.9	8.8
Clothing and clothing accessories stores	448	12/03	114.1	112.2	106.5	-4.9	-5.1
Sporting goods hobby, book and music stores	451	12/03	111.2	115.7	116.3	3.5	0.5
General merchandise stores	452	12/03	106.2	103.7	102.1	-9.6	-1.5
Nonstore retailers	454	12/03	156.1	140.0	148.4	5.5	6.0
<b>Transportation and warehousing industries.</b>		12/06	107.2	106.6	107.9	-7.0	1.2
<b>Transportation industries.</b>		12/06	105.2	104.0	105.6	-9.1	1.5
Air transportation	481	12/92	187.6	177.0	184.5	-13.6	4.2
Rail transportation	482	12/96	146.2	146.7	146.9	-9.6	0.1
Water transportation	483	12/03	117.7	110.6	113.4	-13.0	2.5
Truck transportation	484	12/03	116.1	117.9	118.5	-6.8	0.5
Pipeline transportation of crude oil	486110	06/86	154.8	157.7	159.9	2.4	1.4
Refined petroleum product pipeline transport	486910	06/86	143.3	142.9	151.8	7.0	6.2
Transportation support activities	488	12/03	108.1	108.2	108.2	-5.0	0.0
<b>Delivery and warehouse industries.</b>		12/06	112.8	113.9	114.2	-0.7	0.3
Postal service	491	06/89	181.6	186.8	186.8	3.5	0.0
Couriers and messengers	492	12/03	140.4	139.6	140.4	-4.4	0.6
Warehousing and storage	493	12/06	107.2	107.1	107.2	-0.1	0.1
<b>Total traditional service industries.</b>		12/06	101.9	102.4	102.4	0.2	0.0
<b>Information.</b>		12/06	102.4	102.6	102.1	0.0	-0.5
Publishing industries, except Internet	511	12/03	111.6	111.8	111.2	0.2	-0.5
Broadcasting, except Internet	515	12/03	107.5	107.4	103.4	-0.5	-3.7
Telecommunications	517	12/03	101.1	101.2	101.3	0.3	0.1
ISPs and Web search portals	5181	06/04	71.8	71.6	70.8	-3.8	-1.1
Data processing and related services	5182	12/03	100.9	101.0	101.0	0.1	0.0

See footnotes at end of table.

**Table 4. Producer price indexes for the net output of selected industries and industry groups, not seasonally adjusted — Continued**

Industry <sup>1</sup>	Industry code	Index base	Index			Percent change to July 2009 from:	
			Mar. 2009 <sup>2</sup>	June 2009 <sup>2</sup>	July 2009 <sup>2</sup>	July 2008	June 2009
<b>Selected health care industries.....</b>		12/06	107.1	107.2	107.4	2.5	0.2
Offices of physicians.....	6211	12/96	125.9	125.9	126.6	2.5	0.6
Medical and diagnostic laboratories.....	6215	12/03	108.9	108.7	108.9	1.9	0.2
Home health care services.....	6216	12/96	127.7	127.7	127.6	1.6	-0.1
Blood and organ banks.....	621991	06/06	110.7	110.8	110.8	3.1	0.0
Hospitals.....	622	12/92	167.0	167.1	167.2	2.5	0.1
Nursing care facilities.....	6231	12/03	122.3	123.1	123.5	3.4	0.3
Residential mental retardation facilities.....	62321	12/03	120.5	121.1	120.8	1.9	-0.2
<b>Other selected traditional service industries.....</b>		12/06	99.9	100.6	100.7	-0.6	0.1
Depository credit intermediation.....	5221	12/03	92.3	94.5	93.8	-6.6	-0.7
Security, commodity contracts and like activity.....	523	12/03	109.2	110.9	109.5	-8.1	-1.3
Insurance carriers and related activities.....	524	12/03	112.6	112.8	113.1	2.6	0.3
Lessors of nonres bldg (exc miniwarehouse).....	53112	12/03	109.5	109.4	109.4	-1.4	0.0
Lessors of miniwarehouse and self storage units.....	53113	12/03	113.4	112.7	112.9	-2.3	0.2
Offices of real estate agents and brokers.....	5312	12/03	101.6	101.9	102.0	-4.5	0.1
Automotive equipment rental and leasing.....	5321	06/01	133.1	138.1	142.5	4.2	3.2
Other heavy machinery rental and leasing.....	532412	12/03	116.9	116.9	118.2	0.7	1.1
Legal services.....	5411	12/96	166.0	166.2	166.2	2.9	0.0
Architectural, engineering and related services.....	5413	12/96	142.8	142.9	142.9	0.9	0.0
Management and technical consulting services.....	5416	06/06	107.2	106.7	106.9	0.8	0.2
Advertising agencies.....	54181	12/03	105.3	105.2	105.3	-0.9	0.1
Employment services.....	5613	12/96	123.6	123.8	123.2	0.2	-0.5
Travel agencies.....	56151	12/03	102.2	100.2	100.3	1.5	0.1
Janitorial services.....	56172	12/03	109.8	109.7	109.9	0.8	0.2
Waste collection.....	5621	12/03	114.9	115.0	116.5	3.7	1.3
Computer training.....	61142	06/06	111.7	111.5	111.4	1.7	-0.1
Amusement and theme parks.....	71311	06/06	109.3	112.8	113.4	3.8	0.5
Golf courses and country clubs.....	71391	12/05	106.2	106.7	106.5	-0.5	-0.2
Fitness and recreational sports centers.....	71394	12/04	99.3	99.3	99.3	-1.5	0.0
Accommodation.....	721	12/96	141.3	144.6	150.5	0.4	4.1
Commercial machinery repair and maintenance.....	8113	06/06	106.6	107.0	106.9	0.8	-0.1

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 March 2009 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.

"-" Data not available.

NOTE: NAICS replaced the SIC 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 <sup>1</sup>					
	Feb. 2009	Mar. 2009	Apr. 2009	May 2009	June 2009	July 2009
Finished goods.....	171.1	169.5	169.8	170.2	173.2	171.7
Finished consumer goods.....	176.9	174.7	175.1	175.7	179.5	177.6
Finished consumer foods.....	175.6	174.2	176.9	174.1	176.1	173.4
Crude.....	156.9	156.1	172.5	140.2	161.8	149.8
Processed.....	177.2	175.7	176.9	177.5	177.2	175.6
Finished consumer goods, excluding foods.....	176.4	174.0	173.8	175.4	179.8	178.2
Nondurable goods less foods.....	189.3	185.6	185.0	187.5	193.4	191.4
Durable goods.....	143.9	143.9	144.4	144.4	145.7	144.9
Capital equipment.....	157.1	157.0	156.9	156.7	157.5	157.2
Manufacturing industries.....	159.5	159.5	159.6	159.4	159.6	159.6
Nonmanufacturing industries.....	156.1	155.9	155.8	155.6	156.6	156.2
Intermediate materials, supplies, and components.....	170.9	168.4	167.5	168.0	171.2	170.8
Materials and components for manufacturing.....	161.2	159.6	158.4	158.2	160.6	161.3
Materials for food manufacturing.....	164.4	163.1	164.0	165.2	165.0	162.1
Materials for nondurable manufacturing.....	185.7	182.4	181.5	181.0	189.4	192.1
Materials for durable manufacturing.....	168.6	166.1	162.8	161.9	162.7	163.6
Components for manufacturing.....	141.4	141.2	140.5	140.5	140.6	140.6
Materials and components for construction.....	205.0	204.4	202.5	202.3	202.4	201.7
Processed fuels and lubricants.....	155.2	147.6	147.0	149.9	159.6	157.0
Manufacturing industries.....	159.3	153.3	153.0	154.2	159.7	158.0
Nonmanufacturing industries.....	154.3	146.0	145.4	148.9	160.3	157.4
Containers.....	199.6	198.7	197.0	195.8	195.4	194.6
Supplies.....	172.3	172.0	171.8	172.1	172.7	172.1
Manufacturing industries.....	169.2	168.8	168.0	167.5	166.9	167.8
Nonmanufacturing industries.....	171.4	171.1	171.0	171.4	172.2	171.3
Feeds.....	166.5	165.1	166.3	173.6	185.1	178.1
Other supplies.....	173.3	173.0	172.8	172.7	172.6	172.3
Crude materials for further processing.....	161.0	160.3	164.9	170.8	178.7	170.7
Foodstuffs and feedstuffs.....	134.6	132.3	137.8	138.3	137.7	129.3
Nonfood materials.....	171.2	172.0	175.2	185.9	201.3	194.4
Nonfood materials except fuel <sup>2</sup> .....	160.9	176.1	181.1	202.5	224.5	209.7
Manufacturing <sup>2</sup> .....	148.2	163.0	167.9	188.7	210.2	195.7
Construction.....	196.9	198.5	198.8	199.2	199.5	199.8
Crude fuel <sup>3</sup> .....	178.3	157.0	156.5	151.0	155.6	160.3
Manufacturing industries.....	191.4	178.7	177.9	176.1	180.5	182.2
Nonmanufacturing industries.....	181.4	159.4	158.8	153.1	157.8	162.7
<b>Special groupings</b>						
Finished goods, excluding foods.....	169.4	167.7	167.5	168.5	171.7	170.5
Intermediate materials less foods and feeds.....	171.3	168.8	167.7	168.1	171.4	171.2
Intermediate foods and feeds.....	164.8	163.5	164.5	166.7	168.9	165.5
Crude materials less agricultural products <sup>2</sup> .....	174.5	174.8	177.9	188.2	204.1	198.3
Finished energy goods.....	140.9	134.3	133.3	137.2	146.3	142.8
Finished goods less energy.....	172.1	172.0	172.6	172.0	173.0	172.3
Finished consumer goods less energy.....	178.7	178.6	179.7	178.7	180.0	179.0
Finished goods less foods and energy.....	171.2	171.4	171.5	171.4	172.3	172.1
Finished consumer goods less foods and energy.....	180.8	181.4	181.7	181.6	182.5	182.4
Consumer nondurable goods less foods and energy.....	212.7	213.9	213.9	213.8	214.0	214.9
Intermediate energy goods.....	153.7	145.2	144.6	147.5	160.6	158.4
Intermediate materials less energy.....	172.8	171.9	171.0	170.9	171.6	171.6
Intermediate materials less foods and energy.....	173.5	172.7	171.6	171.2	171.8	172.2
Crude energy materials <sup>2</sup> .....	151.7	152.5	157.4	165.8	183.9	172.5
Crude materials less energy.....	160.0	157.6	161.7	165.3	166.1	160.6
Crude nonfood materials less energy <sup>3</sup> .....	225.2	223.1	220.6	235.4	241.5	248.6

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 March 2009 have been recalculated to incorporate late reports and corrections by respondents.

2 Includes crude petroleum.

3 Excludes crude petroleum.