

News

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Producer Price Indexes – August 2008

The Producer Price Index for Finished Goods declined 0.9 percent in August, seasonally adjusted, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. This decrease followed advances of 1.2 percent in July and 1.8 percent in June. At the earlier stages of processing, prices received by manufacturers of intermediate goods fell 1.0 percent in August after rising 2.7 percent in the prior month, and the crude goods index dropped 11.9 percent following a 4.2-percent increase in July. (See table A.)

Leading the downturn in prices for finished goods, the index for energy goods fell 4.6 percent in August after climbing 3.1 percent in July. Prices for goods other than foods and energy advanced 0.2 percent following a 0.7-percent rise in the previous month. The index for consumer foods increased 0.3 percent in August, the same rate as in July.

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.)		
2007							
Aug.....	-0.8	0.0	-4.2	0.1	2.3	-0.9	-3.5
Sept.....	0.5	1.1	1.2	0.1	4.4	0.0	0.9
Oct.....	0.5	1.3	1.1	0.1	6.1	0.6	4.0
Nov.....	2.6	-0.2	11.7	0.3	7.3	2.9	6.8
Dec.....	-0.5	1.3	-3.5	0.1	6.2	0.2	1.8
2008							
Jan.....	1.2	1.7	2.2	0.6	7.4	1.2	2.9
Feb.....	0.3	-0.6	1.0	0.4	6.5	0.9	3.9
Mar.....	0.9	1.4	2.5	0.1	6.7	2.4	6.7
Apr. ¹	0.3	0.0	-0.1	0.5	6.4	1.0	4.7
May ¹	1.4	0.7	4.8	0.3	7.2	2.6	6.6
June.....	1.8	1.5	6.0	0.2	9.2	2.1	3.7
July.....	1.2	0.3	3.1	0.7	9.8	2.7	4.2
Aug.....	-0.9	0.3	-4.6	0.2	9.6	-1.0	-11.9

¹ Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for April 2008 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 1.6 percent in August to 182.1 (1982 = 100). From August 2007 to August 2008, prices for finished goods advanced 9.6 percent. Over the same period, the index for finished energy goods increased 27.4 percent, prices for finished goods other than foods and energy rose 3.6 percent, and the index for finished consumer foods climbed 9.1 percent. At the earlier stages of processing, prices received by producers of intermediate goods jumped 16.7 percent and the crude goods index surged 38.1 percent for the 12 months ended in August.

Finished goods

The index for finished energy goods declined 4.6 percent in August following a 3.1-percent advance in July. Prices for liquefied petroleum gas dropped 19.5 percent in August after rising 10.8 percent a month earlier. The indexes for residential natural gas, home heating oil, diesel fuel, and kerosene also turned down following increases in July. Gasoline prices fell more in August than they had in the prior month, while the index for residential electric power rose less than it had in July. Conversely, slightly counteracting the overall downturn in finished energy goods, prices for finished lubricants advanced 8.6 percent in August after moving up 5.4 percent in the preceding month. (See table 2.)

The index for finished goods other than foods and energy moved up 0.2 percent in August following a 0.7-percent jump in July. Prices for pharmaceutical preparations advanced 0.4 percent in August after rising 0.7 percent in the prior month. The indexes for light motor trucks, passenger cars, heavy motor trucks, and for medical, surgical, and personal aid devices fell after advancing in July. Prices for turbines and turbine generator sets were unchanged in August following a surge in the previous month. By contrast, the civilian aircraft index climbed 0.7 percent after rising 0.3 percent in July. Prices for pet food and for industrial trucks and tractors also moved up more than they had a month earlier.

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.)
2007								
Aug.....	0.4	-2.9	-0.4	2.4	-1.6	-6.4	0.6	6.1
Sept.....	1.3	-0.5	0.1	4.1	2.7	-0.8	2.2	11.3
Oct.....	1.2	1.3	0.4	5.7	-0.2	8.2	1.5	26.8
Nov.....	1.4	10.4	0.8	7.9	2.9	12.3	-0.9	20.9
Dec.....	2.0	0.1	0.1	7.1	4.2	0.5	0.8	19.8
2008								
Jan.....	3.5	1.9	0.9	8.9	3.1	1.8	4.7	30.8
Feb.....	2.4	1.2	0.6	9.0	1.2	6.6	3.6	24.6
Mar.....	3.0	6.0	1.3	10.7	2.2	11.5	3.7	29.7
Apr. ¹	0.2	0.1	1.4	10.8	-0.5	6.3	10.1	34.5
May ¹	2.1	6.3	1.5	12.6	0.6	12.5	2.7	41.5
June.....	1.0	5.0	1.3	14.5	3.5	5.4	-0.2	45.5
July.....	4.0	4.3	2.0	16.6	0.1	6.9	3.4	51.2
Aug.....	-0.2	-8.2	1.7	16.7	-5.2	-19.4	-1.9	38.1

¹ Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for April 2008 have been revised to reflect the availability of late reports and corrections by respondents.

The index for finished consumer foods increased 0.3 percent in August, the same as in July. In August, higher prices for meats, canned vegetables and vegetable juices, eggs for fresh use, Irish potatoes for consumer use, spices, and confectionery end products outweighed lower prices for fresh vegetables (excluding potatoes), packaged fluid milk and related products, fresh fruits and melons, and for shortening and cooking oils.

Intermediate goods

The Producer Price Index for Intermediate Materials, Supplies, and Components declined 1.0 percent in August following a 2.7-percent increase in July. Prices for intermediate energy goods and for intermediate foods and feeds turned down after rising in July. The indexes for materials for both durable and nondurable manufacturing and for materials and components for construction advanced less than they had in the previous month. Excluding foods and energy, the intermediate materials index rose 1.7 percent after increasing 2.0 percent in July. (See table B.)

Prices for intermediate energy goods fell 8.2 percent in August after moving up 4.3 percent in July. The jet fuels index dropped 24.9 percent compared with a 6.5-percent increase a month earlier. Prices also turned down in August for diesel fuel, utility natural gas, residual fuels, liquefied petroleum gas, and heating oil. The index for gasoline fell more than in July. By contrast, slightly offsetting the downturn in intermediate energy goods prices, the index for finished lubricants advanced 8.6 percent in August following a 5.4-percent gain in the prior month. (See table 2.)

Prices for intermediate foods and feeds edged down 0.2 percent in August after rising 4.0 percent in July. The index for formula feeds decreased 1.7 percent following an 8.3-percent advance in the previous month. Prices for shortening and cooking oils and for fluid milk products also turned down after rising in July. The indexes for corn, cottonseed, and soybean cake and meal and for beef and veal increased less than in July. By contrast, flour prices advanced 1.5 percent in August after dropping 7.8 percent in the prior month. The indexes for pork and for refined sugar and byproducts rose more in August than a month earlier. Prices for natural cheese (except cottage cheese) fell less than in July.

The index for materials for durable manufacturing moved up 0.4 percent in August after climbing 1.5 percent in July. Prices for thermoplastic resins and materials increased 2.9 percent following an 8.7-percent advance in the prior month. The indexes for primary nonferrous metals, copper and brass mill shapes, secondary precious metals, and specialty glass turned down after rising in July. By contrast, prices for semifinished steel mill products advanced 5.2 percent in August after moving up 2.2 percent in the previous month. The index for prepared paint also increased more than it had in July. Prices for cold rolled steel sheet and strip fell less in August than a month earlier. The indexes for softwood lumber and refined lead turned up after declining in July.

The materials for nondurable manufacturing index advanced 5.2 percent in August following a 5.4-percent rise in July. In August, higher prices for industrial chemicals, agricultural chemicals and chemical products, plastic resins and materials, non-corrugated paperboard, woodpulp, rubber and rubber products, and writing and printing papers outweighed lower prices for inedible fats and oils and for shortening and cooking oils.

The index for materials and components for construction increased 1.5 percent in August following a 1.7-percent rise in July. Prices for paving mixtures and blocks advanced 9.6 percent following a 14.5-percent jump in the prior month. Prices for cast iron pressure and soil pipe and fittings, plastic construction products, and nonferrous wire and cable also increased less in August. The indexes for custom roll form metal products and wiring devices turned down after rising in the preceding month. Conversely, softwood lumber prices advanced 1.1 percent in August following a 3.4-percent decline a month earlier. The indexes for architectural coatings; roofing asphalt, pitches, coatings, and cement; and gypsum products rose more than they had in July.

Crude goods

The Producer Price Index for Crude Materials for Further Processing fell 11.9 percent in August compared with a 4.2-percent advance in the previous month. This downturn was broad based, with prices for crude energy materials, foodstuffs and feedstuffs, and nonfood materials less energy all decreasing after rising in July. (See table B.)

Prices for crude energy materials dropped 19.4 percent following a 6.9-percent gain in July. A major contributor to this downturn was the natural gas index which dropped 23.9 percent in August compared with a 7.8-percent increase in the preceding month. Similarly, prices for crude petroleum fell 17.6 percent after moving up 6.7 percent in July. By contrast, partially offsetting the downturn in prices for crude energy materials, the coal index rose 2.7 percent subsequent to a 2.1-percent advance a month earlier. (See table 2.)

The crude foodstuffs and feedstuffs index moved down 5.2 percent in August after edging up 0.1 percent in the prior month. Prices for soybeans declined 21.8 percent compared with a 7.0-percent rise in July. The index for slaughter poultry also turned down in August. Prices for corn and fluid milk declined more than they had a month earlier. The index for slaughter steers and heifers increased less than it had in July. By contrast, the index for slaughter hogs climbed 20.1 percent following a 2.1-percent decrease a month earlier. Prices for wheat and ungraded chicken eggs also turned up in August. The fresh fruits and melons index declined less than it had in July.

The index for crude nonfood materials less energy fell 1.9 percent following a 3.4-percent advance in July. Leading this downturn, prices for iron and steel scrap fell 3.7 percent compared with a 5.2-percent increase in the previous month. Similarly, the indexes for nonferrous scrap; gold ores; soybeans; plant and animal fibers; and softwood logs, bolts, and timber also turned down in August. Conversely, prices for construction sand, gravel, and crushed stone advanced 1.3 percent after edging down 0.2 percent in July. The phosphates index increased more than it had a month earlier.

Net output price indexes

Mining, Utilities, and Manufacturing Industries. The Producer Price Index for the Net Output of Total Mining, Utilities, and Manufacturing Industries turned down 1.4 percent after climbing 2.2 percent in July. (Net output price indexes are not seasonally adjusted.) The index for the petroleum refineries industry declined 11.4 percent in August after increasing 5.5 percent a month earlier. Prices received by natural gas distributors; oil and gas extractors; automotive, light truck, and utility vehicle manufacturers; as well as by complete swine feed producers also turned down after advancing in the prior month. The industry index for electric power distribution was unchanged in August after moving higher in the previous month, and prices received by livestock slaughterhouses rose less than in July. Conversely, partially offsetting the downturn in the index for total mining, utilities, and manufacturing industries, the increase in prices received by the electric power generation industry accelerated to 8.1 percent in August from 5.0 percent in the preceding month. In August, the index for total mining, utilities, and manufacturing industries was 117.2 (December 2006 = 100), 12.5 percent above its year-ago level.

Trade Industries. The advance in the Producer Price Index for the Net Output of Total Trade Industries accelerated to 2.1 percent in August from 1.1 percent in July. (Trade indexes measure changes in margins received by wholesalers and retailers.) The margin index for merchant wholesalers of nondurable goods jumped 7.9 percent in August after moving up 0.2 percent in the prior month. Margins received by merchant wholesalers of durable goods also climbed more than in July. The margin indexes for fuel dealers and women's clothing stores turned up in August after falling a month earlier. By contrast, the margin index for gasoline stations with convenience stores rose 5.0 percent following a 24.2-percent jump in July. Margins received by pharmacies and drug stores, grocery stores (excluding convenience stores), and non-discount department stores turned down in August after moving higher in the previous month. In August, the index for total trade industries was 112.4 (December 2006 = 100), 7.7 percent above its year- ago level.

Transportation and Warehousing Industries. The increase in the Producer Price Index for the Net Output of Total Transportation and Warehousing Industries slowed to 0.2 percent in August from 0.8 percent in July. The index for the couriers industry climbed 1.0 percent in August after rising 2.4 percent in the prior month. Prices received by the industries for scheduled passenger air transportation, long-distance specialized freight trucking of new goods, nonscheduled air passenger chartering, freight transportation arrangement, as well as, the general freight trucking industry group, turned down after advancing in July. Conversely, the industry index for scheduled freight air transportation turned up 11.9 percent in August after falling 5.6 percent a month earlier. Prices received by deep sea freight transporters increased more than in July. In August, the index for total transportation and warehousing industries was 116.1 (December 2006 = 100), 10.2 percent above its year-ago level.

Traditional Service Industries. The Producer Price Index for the Net Output for Total Traditional Service Industries turned up 0.7 percent in August after edging down 0.2 percent in July. The index for the commercial banking industry climbed 5.2 percent in August after declining 5.5 percent a month earlier. Prices received by the industries for casino hotels; cellular and other wireless carriers; and by the securities, commodity contracts, and like activities industry sector also turned up following July decreases. Conversely, the industry index for non-casino hotels and motels turned down 1.3 percent in August after advancing 4.1 percent in the preceding month. Prices received by the industries for passenger car rental, offices of real estate agents and brokers, and general medical and surgical hospitals also fell after rising in July. In August, the index for total traditional service industries was 102.5 (December 2006 = 100), 0.6 percent above its year-ago level.

Producer Price Index data for September 2008 are scheduled to be released on Wednesday, October 15, 2008 at 8:30 a.m. (EDT).

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), and individual items (eight-digit codes). Nearly all eight-digit commodities under the traditional commodity coding system are now derived from corresponding industry-classified product indexes. In such instances, movements in the traditional commodity price indexes and corresponding percent changes will be virtually identical to their industry-based counterparts, even if their index levels differ.

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>
SIC		
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

<i>Title</i>	<i>Code</i>	<i>PPI Detailed Report Issue</i>
SIC		
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
NAICS		
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_etc.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. 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 900 seasonally adjusted series, only 16 were subject to intervention in 1997.

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 1.6 million instances of PPI series being downloaded from the Internet during the 12 months ended December 31, 2003.

Retrieving PPI data from the PPI Web site

PPI data can be obtained from the WWW address (www.bls.gov/ppi). Scrolling down the page to the "Get Detailed PPI Statistics" header reveals the following methods of data retrieval:

- **Most Requested Series** is a form-based application that allows the user to quickly obtain PPI time series data by selecting from two separate lists (commodity and industry) of 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.

- **Create Customized Tables** is a form-based query application designed for users unfamiliar with the PPI coding structure. The application guides a user through the PPI classification system by listing index titles and does 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> wds019	<u>Provides data for:</u> 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.

<u>Industry-product code, current NAICS series</u> pcu325---325---	<u>Provides data for:</u> Chemical manufacturing, not seasonally adjusted
pcu336110336110	Automobile and light duty motor vehicle manufacturing
pcu621111621111411	Offices of physicians, one- and two-physician practices and single- specialty group practices, general/family practice
pcu325412325412A	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.)

<u>Industry-product code, discontinued SIC series</u> pdu28_#	<u>Provides data for:</u> Chemicals and allied products, not seasonally adjusted
pdu331_#	Blast furnaces, steel works, and rolling and finishing mills, not seasonally adjusted
pdu3711#111	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.

<u>Industry-product code, discontinued NAICS series</u> ndu212231212231	<u>Provides data for</u> Lead ore and zinc ore mining
ndu2122312122312	Lead and zinc concentrates
ndu212231212231214	Lead concentrates

- **Flat Files** 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 site can be accessed at <ftp://ftp.bls.gov> or directly from the links on the “Get Detailed Statistics” page or the PPI homepage. Data and documentation available for download include the following:

	<u>Directory:</u>
NAICS series, current	/pub/time.series/pc
NAICS series, discontinued	/pub/time.series/nd
SIC series, discontinued	/pub/time.series/pd
Commodity series, current	/pub/time.series/wp
Commodity series, discontinued	/pub/time.series/wd
Special requests	/pub/special.requests/ppi
Latest news release	/pub/news.release/ppi.txt

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 “Get Detailed Statistics” link at the top of the homepage calls up a chart listing all available BLS programs. The following methods are available for retrieving PPI data: Most requested statistics, create customized tables (one screen or multiple screens), and flat files. Additional sources of BLS data also are accessible from this page, including economic news releases, series report, and economy at a glance.

Additional information

The PPI homepage (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.

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

Grouping	Relative importance Dec. 2007 ¹	Unadjusted index			Unadjusted percent change to Aug. 2008 from:		Seasonally adjusted percent change from:		
		Apr. 2008 ²	July 2008 ²	Aug. 2008 ²	Aug. 2007	July 2008	May to June	June to July	July to Aug.
Finished goods.....	100.000	176.5	185.0	182.1	9.6	-1.6	1.8	1.2	-0.9
Finished consumer goods.....	78.284	185.8	197.1	193.1	11.6	-2.0	2.3	1.2	-1.2
Finished consumer foods.....	21.296	175.5	180.9	181.4	9.1	0.3	1.5	0.3	0.3
Crude.....	2.258	177.6	164.1	158.2	8.0	-3.6	8.1	-9.8	-3.7
Processed.....	19.038	175.3	182.6	183.7	9.1	0.6	0.9	1.3	0.7
Finished consumer goods, excluding foods.....	56.988	189.6	203.2	197.4	12.6	-2.9	2.6	1.6	-1.7
Nondurable goods less foods.....	42.845	211.7	232.5	223.8	16.7	-3.7	3.4	2.0	-2.3
Durable goods.....	14.143	140.5	140.3	139.9	2.0	-0.3	0.3	0.6	-0.1
Capital equipment.....	21.716	152.4	153.6	153.7	3.2	0.1	0.3	0.8	0.1
Manufacturing industries.....	5.508	155.9	157.7	158.4	3.9	0.4	0.3	0.6	0.4
Nonmanufacturing industries.....	16.208	151.2	152.1	152.1	2.9	0.0	0.3	0.9	0.0
Intermediate materials, supplies, and components.....	100.000	187.3	202.5	200.2	16.7	-1.1	2.1	2.7	-1.0
Materials and components for manufacturing.....	41.867	175.5	186.6	190.6	16.6	2.1	1.6	2.7	2.2
Materials for food manufacturing.....	2.911	180.3	187.7	187.4	13.9	-0.2	1.6	0.9	-0.1
Materials for nondurable manufacturing.....	15.185	209.5	231.9	243.8	31.8	5.1	2.7	5.4	5.2
Materials for durable manufacturing.....	8.624	205.6	219.4	220.1	14.8	0.3	1.7	1.5	0.4
Components for manufacturing.....	15.147	138.6	141.4	142.1	4.1	0.5	0.4	1.1	0.5
Materials and components for construction.....	13.389	200.2	209.9	213.1	10.1	1.5	1.5	1.7	1.5
Processed fuels and lubricants.....	22.403	211.8	249.6	224.2	27.9	-10.2	4.7	3.7	-9.4
Manufacturing industries.....	5.999	201.1	233.7	219.0	24.9	-6.3	3.0	4.1	-5.3
Nonmanufacturing industries.....	16.404	216.8	256.6	227.0	29.1	-11.5	5.3	3.5	-10.8
Containers.....	2.923	187.0	191.6	194.2	7.6	1.4	0.3	1.7	1.4
Supplies.....	19.418	171.3	177.7	179.4	10.7	1.0	0.9	2.0	0.9
Manufacturing industries.....	3.911	168.4	171.4	172.7	5.7	0.8	0.7	1.0	0.8
Nonmanufacturing industries.....	15.507	170.5	177.8	179.6	12.0	1.0	0.9	2.2	1.0
Feeds.....	1.081	179.3	205.9	204.7	48.5	-0.6	0.1	9.9	-0.6
Other supplies.....	14.426	170.7	175.9	178.0	8.9	1.2	1.0	1.3	1.2
Crude materials for further processing.....	100.000	274.6	317.9	280.0	38.1	-11.9	3.7	4.2	-11.9
Foodstuffs and feedstuffs.....	32.756	168.1	179.3	170.4	15.3	-5.0	3.5	0.1	-5.2
Nonfood materials.....	67.244	352.4	423.3	360.5	51.7	-14.8	3.7	6.0	-14.8
Nonfood materials except fuel ³	40.982	349.6	401.8	358.9	48.2	-10.7	2.3	5.2	-10.6
Manufacturing ³	40.533	325.9	375.0	334.6	48.8	-10.8	2.3	5.2	-10.7
Construction.....	0.449	199.6	201.6	200.3	-0.6	-0.6	0.8	1.6	-0.6
Crude fuel ⁴	26.262	329.1	426.6	335.1	58.3	-21.4	6.3	7.3	-21.4
Manufacturing industries.....	2.338	312.1	402.3	317.9	57.6	-21.0	6.5	7.2	-20.9
Nonmanufacturing industries.....	23.924	336.6	436.6	342.7	58.3	-21.5	6.3	7.3	-21.4
Special groupings									
Finished goods, excluding foods.....	78.704 ⁵	176.4	185.9	182.0	9.8	-2.1	1.9	1.4	-1.2
Intermediate materials less foods and feeds.....	96.008 ⁶	187.7	203.0	200.5	16.4	-1.2	2.2	2.6	-1.0
Intermediate foods and feeds.....	3.992 ⁶	180.5	194.6	194.0	24.1	-0.3	1.0	4.0	-0.2
Crude materials less agricultural products ^{3, 7}	66.545 ⁸	362.5	437.1	371.3	52.0	-15.1	3.9	6.1	-15.0
Finished energy goods.....	21.654 ⁵	182.4	213.0	198.2	27.4	-6.9	6.0	3.1	-4.6
Finished goods less energy.....	78.346 ⁵	168.0	170.4	170.7	5.0	0.2	0.6	0.6	0.2
Finished consumer goods less energy.....	56.630 ⁵	174.9	177.8	178.3	5.9	0.3	0.7	0.5	0.3
Finished goods less foods and energy.....	57.050 ⁵	165.7	167.1	167.3	3.6	0.1	0.2	0.7	0.2
Finished consumer goods less foods and energy.....	35.334 ⁵	174.8	176.2	176.6	3.9	0.2	0.3	0.6	0.2
Consumer nondurable goods less foods and energy.....	21.191 ⁵	204.3	207.6	208.8	5.5	0.6	0.3	0.6	0.6
Intermediate energy goods.....	23.306 ⁶	213.4	253.0	230.3	30.1	-9.0	5.0	4.3	-8.2
Intermediate materials less energy.....	76.694 ⁶	178.4	187.3	190.1	13.1	1.5	1.2	2.2	1.5
Intermediate materials less foods and energy.....	72.702 ⁶	178.3	186.9	189.9	12.5	1.6	1.3	2.0	1.7
Crude energy materials ³	50.873 ⁸	346.1	437.9	352.7	59.1	-19.5	5.4	6.9	-19.4
Crude materials less energy.....	49.032 ⁸	218.5	232.2	223.2	21.4	-3.9	2.1	1.3	-3.9
Crude nonfood materials less energy ⁴	16.371 ⁸	366.7	387.2	379.1	33.2	-2.1	-0.2	3.4	-1.9

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 April 2008 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject 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 Aug. 2008 from:		Seasonally adjusted percent change from:		
		Apr. 2008 ¹	July 2008 ¹	Aug. 2008 ¹	Aug. 2007	July 2008	May to June	June to July	July to Aug.
Finished goods.....		176.5	185.0	182.1	9.6	-1.6	1.8	1.2	-0.9
Finished consumer goods.....		185.8	197.1	193.1	11.6	-2.0	2.3	1.2	-1.2
Finished consumer foods.....		175.5	180.9	181.4	9.1	0.3	1.5	0.3	0.3
Fresh fruits and melons ²	01-11	126.5	114.7	111.3	2.7	-3.0	-2.0	-12.4	-3.0
Fresh and dry vegetables ²	01-13	173.4	167.5	143.6	9.6	-14.3	14.7	-9.2	-14.3
Eggs for fresh use (Dec 1991=100).....	01-71-07	148.8	123.1	134.2	7.6	9.0	11.6	-19.3	9.3
Bakery products ²	02-11	234.4	240.5	240.5	11.4	0.0	1.2	1.5	0.0
Milled rice ²	02-13	236.8	296.1	292.6	92.0	-1.2	5.9	0.4	-1.2
Pasta products (June 1985=100) ²	02-14-02	178.2	188.3	188.4	39.8	0.1	-0.4	1.8	0.1
Beef and veal ²	02-21-01	146.7	167.6	170.3	19.0	1.6	2.1	7.4	1.6
Pork.....	02-21-04	125.0	137.7	151.6	10.2	10.1	-2.4	1.1	11.2
Processed young chickens.....	02-22-03	141.6	149.0	145.7	2.5	-2.2	1.5	-1.5	-0.9
Processed turkeys.....	02-22-06	117.5	124.7	123.9	7.5	-0.6	1.5	-0.7	-2.9
Finfish and shellfish.....	02-23	262.4	252.9	251.6	6.5	-0.5	-6.0	3.2	-0.5
Dairy products ²	02-3	181.2	189.3	187.0	0.1	-1.2	3.5	1.2	-1.2
Processed fruits and vegetables.....	02-4	164.2	165.1	169.2	7.5	2.5	0.4	-0.2	2.8
Confectionery end products ²	02-55	216.9	218.3	220.0	5.7	0.8	-0.1	0.6	0.8
Soft drinks ²	02-62	171.7	176.3	175.5	4.3	-0.5	-1.1	2.4	-0.5
Roasted coffee ²	02-63-01	178.8	180.1	181.1	10.8	0.6	0.3	0.8	0.6
Shortening and cooking oils ²	02-78	301.2	335.1	317.6	45.4	-5.2	1.8	3.4	-5.2
Finished consumer goods excluding foods.....		189.6	203.2	197.4	12.6	-2.9	2.6	1.6	-1.7
Alcoholic beverages.....	02-61	165.7	166.6	166.8	3.9	0.1	0.1	0.2	0.1
Pet food ²	02-94-02	201.8	216.6	223.8	22.1	3.3	6.0	1.0	3.3
Women's, girls', & infants' apparel (Dec 2003=100) ²	03-81-06	101.0	100.7	101.6	0.5	0.9	-0.4	0.1	0.9
Men's and boys' apparel (Dec 2003=100) ²	03-81-07	99.4	99.9	99.6	0.9	-0.3	0.1	0.3	-0.3
Textile housefurnishings ²	03-82	126.4	126.7	126.9	1.0	0.2	-0.2	0.4	0.2
Footwear ²	04-3	155.8	157.9	157.9	4.1	0.0	1.2	0.2	0.0
Residential electric power (Dec 1990=100).....	05-41	142.0	152.2	151.7	6.2	-0.3	0.8	2.0	0.1
Residential gas (Dec 1990=100).....	05-51	246.4	290.8	274.8	25.4	-5.5	6.6	8.8	-5.0
Gasoline.....	05-71	281.3	343.7	310.3	43.1	-9.7	9.0	-0.2	-3.5
Home heating oil and distillates.....	05-73-02-01	329.6	414.1	355.7	64.1	-14.1	12.4	3.7	-13.6
Pharmaceutical preparations (June 2001=100) ²	06-38	136.7	138.0	138.5	6.0	0.4	-0.1	0.7	0.4
Soaps and synthetic detergents ²	06-71	150.0	153.7	155.2	7.2	1.0	0.7	1.0	1.0
Cosmetics and other toilet preparations ²	06-75	147.0	147.7	148.0	0.1	0.2	0.1	-0.1	0.2
Tires, tubes, tread, etc ²	07-12	123.7	129.1	129.6	9.1	0.4	2.0	1.4	0.4
Sanitary paper products ²	09-15-01	169.1	169.8	172.8	5.9	1.8	0.1	1.0	1.8
Newspaper circulation.....	09-31-01	247.7	250.7	251.8	2.9	0.4	0.0	1.6	0.4
Periodical circulation (June 2007=100) ²	09-32-04	102.7	101.5	102.6	2.8	1.1	-	-	-
Book publishing ²	09-33	295.2	297.5	297.9	4.1	0.1	0.8	-0.1	0.1
Household furniture ²	12-1	178.2	181.6	182.7	4.8	0.6	0.7	0.2	0.6
Floor coverings ²	12-3	159.3	160.3	162.5	3.6	1.4	-0.2	1.3	1.4
Household appliances ²	12-4	106.3	106.9	107.3	1.8	0.4	-0.1	0.8	0.4
Home electronic equipment ²	12-5	56.8	57.2	57.3	1.1	0.2	0.9	0.0	0.2
Household glassware ²	12-62	188.0	188.8	188.8	6.9	0.0	-	-	0.0
Household flatware ²	12-64	194.4	197.2	194.4	3.9	-1.4	-	0.0	-1.4
Lawn and garden equip, ex tractors ²	12-66	139.7	140.4	140.5	3.1	0.1	0.2	0.4	0.1
Passenger cars.....	14-11-01	128.1	128.3	127.8	2.7	-0.4	2.2	1.4	-0.3
Toys, games, and children's vehicles ²	15-11	133.2	134.5	135.5	3.4	0.7	0.9	-0.1	0.7
Sporting and athletic goods ²	15-12	128.0	130.5	130.5	0.5	0.0	0.2	1.0	0.0
Tobacco products ²	15-2	500.2	511.6	512.0	4.8	0.1	0.0	0.0	0.1
Mobile homes ²	15-5	214.1	221.4	222.2	5.1	0.4	1.2	0.8	0.4
Jewelry, platinum, & karat gold ²	15-94-02	166.1	167.3	165.7	7.5	-1.0	0.1	1.5	-1.0
Costume jewelry and novelties ²	15-94-04	160.1	159.6	159.6	1.9	0.0	0.1	-0.3	0.0
Capital equipment.....		152.4	153.6	153.7	3.2	0.1	0.3	0.8	0.1
Agricultural machinery and equipment ²	11-1	189.0	193.2	193.8	5.4	0.3	0.3	0.5	0.3
Construction machinery and equipment.....	11-2	183.4	185.2	186.0	3.4	0.4	0.6	0.5	0.6
Metal cutting machine tools ²	11-37	168.5	171.7	171.5	3.6	-0.1	0.6	0.9	-0.1
Metal forming machine tools ²	11-38	189.3	197.3	197.8	7.3	0.3	1.2	2.4	0.3
Tools, dies, jigs, fixtures, and ind. molds ²	11-39	144.8	145.6	146.5	1.7	0.6	0.0	0.4	0.6
Pumps, compressors, and equipment ²	11-41	202.5	207.3	208.1	6.3	0.4	0.8	1.1	0.4
Industrial material handling equipment ²	11-44	168.5	173.7	179.7	10.5	3.5	1.1	1.3	3.5

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 Aug. 2008 from:		Seasonally adjusted percent change from:		
		Apr. 2008 ¹	July 2008 ¹	Aug. 2008 ¹	Aug. 2007	July 2008	May to June	June to July	July to Aug.
Capital equipment - Continued									
Electronic computers (Dec 2004=100) ²	11-51	41.3	40.7	40.2	-17.1	-1.2	-0.2	-1.5	-1.2
Textile machinery ²	11-62	163.8	166.6	166.0	1.3	-0.4	1.9	-0.4	-0.4
Paper industries machinery (June 1982=100) ²	11-64	185.9	187.8	189.1	2.4	0.7	0.0	0.0	0.7
Printing trades machinery ²	11-65	151.5	152.4	152.3	1.0	-0.1	-0.3	-0.1	-0.1
Transformers and power regulators ²	11-74	213.0	225.7	226.0	14.3	0.1	1.7	2.4	0.1
Communication & related equip (Dec 1985=100) ²	11-76	104.6	105.2	105.3	2.1	0.1	-0.2	0.5	0.1
X-ray and electromedical equipment ²	11-79-05	91.7	91.1	91.5	-1.3	0.4	-0.4	0.1	0.4
Oil field and gas field machinery	11-91	198.3	203.7	204.2	9.8	0.2	1.9	0.7	0.7
Mining machinery and equipment ²	11-92	201.4	208.9	209.8	9.4	0.4	3.2	0.4	0.4
Office and store machines and equipment ²	11-93	117.8	121.5	129.0	11.9	6.2	1.2	0.3	6.2
Commercial furniture ²	12-2	186.6	190.1	191.2	5.6	0.6	1.1	0.7	0.6
Light motor trucks	14-11-05	147.1	140.6	137.2	-2.8	-2.4	-1.8	0.8	-1.9
Heavy motor trucks ²	14-11-06	181.1	182.7	182.4	2.3	-0.2	-0.1	0.9	-0.2
Truck trailers ²	14-14	173.5	179.3	179.9	5.4	0.3	1.4	0.7	0.3
Civilian aircraft (Dec 1985=100)	14-21-02	225.8	229.6	231.8	5.3	1.0	0.4	0.3	0.7
Ships (Dec 1985=100) ²	14-31	196.3	200.5	200.8	4.1	0.1	0.4	1.7	0.1
Railroad equipment ²	14-4	178.7	184.7	182.4	2.8	-1.2	3.4	0.5	-1.2
Intermediate materials, supplies, and components		187.3	202.5	200.2	16.7	-1.1	2.1	2.7	-1.0
Intermediate foods and feeds		180.5	194.6	194.0	24.1	-0.3	1.0	4.0	-0.2
Flour ²	02-12-03	269.1	231.7	235.1	31.9	1.5	-0.8	-7.8	1.5
Refined sugar and byproducts ²	02-53	127.4	134.0	140.2	9.1	4.6	2.8	1.1	4.6
Confectionery materials	02-54	175.2	176.5	177.1	15.8	0.3	1.1	0.3	1.2
Soft drink beverage bases (Dec 1985=100) ²	02-64-01-11	207.4	213.0	212.9	8.4	0.0	1.1	1.8	0.0
Processed eggs ²	02-83	202.4	188.8	180.0	27.2	-4.7	-0.3	-6.0	-4.7
Prepared animal feeds ²	02-9	178.6	202.9	203.3	42.6	0.2	1.1	8.4	0.2
Intermediate materials less foods and feeds		187.7	203.0	200.5	16.4	-1.2	2.2	2.6	-1.0
Synthetic fibers ²	03-1	114.1	117.2	118.5	3.4	1.1	-0.1	1.5	1.1
Processed yarns and threads ²	03-2	122.6	125.0	125.8	6.5	0.6	-0.2	0.9	0.6
Gray fabrics ²	03-3	122.3	122.9	125.0	3.5	1.7	-0.2	0.5	1.7
Finished fabrics ²	03-4	130.5	133.4	135.1	5.0	1.3	0.2	0.8	1.3
Industrial textile products ²	03-83-03	142.0	143.4	144.0	3.4	0.4	0.6	0.2	0.4
Leather ²	04-2	233.8	232.9	235.7	1.6	1.2	1.5	-1.9	1.2
Liquefied petroleum gas ²	05-32	418.2	516.5	415.8	34.1	-19.5	10.2	10.8	-19.5
Commercial electric power	05-42	166.7	182.2	182.7	5.8	0.3	-1.1	1.3	0.5
Industrial electric power	05-43	185.2	197.8	198.2	5.7	0.2	-2.2	0.7	0.7
Commercial natural gas (Dec 1990=100)	05-52	261.8	318.3	299.7	30.4	-5.8	6.9	9.4	-5.5
Industrial natural gas (Dec 1990=100)	05-53	278.0	338.2	304.8	32.5	-9.9	7.4	9.0	-9.2
Natural gas to electric utilities (Dec 1990=100)	05-54	208.9	239.5	202.5	12.9	-15.4	4.2	4.9	-14.0
Jet fuels	05-72-03	322.9	410.2	315.2	45.3	-23.2	8.5	6.5	-24.9
No 2 Diesel fuel	05-73-03	365.1	432.5	346.9	50.0	-19.8	6.7	2.6	-20.7
Residual fuels ²	05-74	228.6	315.0	283.7	52.9	-9.9	5.0	21.1	-9.9
Basic inorganic chemicals ²	06-13	235.5	265.1	282.0	49.8	6.4	2.1	0.4	6.4
Basic organic chemicals ²	06-14	279.1	313.9	333.8	44.6	6.3	2.6	6.9	6.3
Prepared paint	06-21	217.7	219.1	227.5	8.5	3.8	0.3	0.9	4.2
Paint materials ²	06-22	224.9	220.3	226.9	5.2	3.0	-4.0	1.1	3.0
Medicinal and botanical chemicals ²	06-31	144.6	143.3	145.9	3.0	1.8	0.0	1.3	1.8
Fats and oils, inedible ²	06-4	315.1	351.8	339.8	80.0	-3.4	2.5	7.0	-3.4
Mixed fertilizers	06-51	222.8	263.1	293.6	79.4	11.6	8.2	8.1	11.9
Nitrogenates	06-52-01	317.4	383.2	408.1	79.1	6.5	13.2	12.2	8.4
Phosphates ²	06-52-02	310.5	448.5	518.3	164.4	15.6	25.4	9.6	15.6
Other agricultural chemicals ²	06-53	164.8	170.2	174.6	10.7	2.6	1.3	0.5	2.6
Plastic resins and materials ²	06-6	212.1	236.7	243.6	22.6	2.9	0.7	7.6	2.9
Synthetic rubber ²	07-11-02	184.5	213.9	222.7	30.5	4.1	4.7	6.9	4.1
Plastic construction products ²	07-21	180.9	187.7	189.5	5.5	1.0	0.8	1.8	1.0
Unsupported plastic film, sheet, & other shapes ²	07-22	192.6	193.8	198.7	11.8	2.5	0.4	2.0	2.5
Plastic parts and components for manufacturing ²	07-26	130.1	132.4	133.4	2.6	0.8	0.5	1.4	0.8
Softwood lumber ²	08-11	153.7	161.7	163.5	-6.1	1.1	1.8	-3.4	1.1
Hardwood lumber ²	08-12	187.3	184.5	184.0	-4.3	-0.3	-0.3	-0.6	-0.3
Millwork	08-2	204.2	205.5	205.1	1.8	-0.2	0.0	0.3	0.0
Plywood ²	08-3	173.2	176.4	175.7	-3.0	-0.4	0.7	-1.8	-0.4
Treated wood (June 1985=100)	08-71-01	161.1	175.5	173.1	2.5	-1.4	3.7	-0.7	-1.1
Woodpulp ²	09-11	171.2	173.6	193.1	18.0	11.2	-0.1	1.1	11.2

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 Aug. 2008 from:		Seasonally adjusted percent change from:		
		Apr. 2008 ¹	July 2008 ¹	Aug. 2008 ¹	Aug. 2007	July 2008	May to June	June to July	July to Aug.
Intermediate materials less foods and feeds - Continued									
Paper ²	09-13	180.3	184.7	187.9	11.6	1.7	0.4	1.0	1.7
Paperboard ²	09-14	209.7	211.7	226.3	13.7	6.9	0.2	0.8	6.9
Paper boxes and containers ²	09-15-03	203.1	204.9	207.7	5.3	1.4	0.3	0.5	1.4
Building paper and board ²	09-2	155.7	172.1	173.5	8.8	0.8	5.1	-1.7	0.8
Commercial printing (June 1982=100) ²	09-37	168.9	169.9	170.5	2.6	0.4	0.1	0.2	0.4
Foundry and forge shop products ²	10-15	181.8	199.3	202.5	17.5	1.6	1.7	4.5	1.6
Steel mill products ²	10-17	209.7	252.7	258.3	40.8	2.2	8.1	1.7	2.2
Primary nonferrous metals ²	10-22	314.3	301.4	284.3	4.6	-5.7	-5.8	3.2	-5.7
Aluminum mill shapes ²	10-25-01	195.2	196.4	197.8	4.8	0.7	0.0	0.5	0.7
Copper and brass mill shapes ²	10-25-02	447.0	446.8	437.6	3.5	-2.1	-4.4	2.8	-2.1
Titanium mill shapes ²	10-25-05	259.9	244.2	255.3	-14.5	4.5	-	0.0	4.5
Nonferrous wire and cable ²	10-26	264.2	263.7	264.8	5.3	0.4	-2.8	1.8	0.4
Metal containers ²	10-3	140.9	147.0	147.6	10.1	0.4	0.1	2.7	0.4
Hardware ²	10-4	185.3	190.2	194.2	7.5	2.1	1.3	0.6	2.1
Plumbing fixtures and brass fittings	10-5	226.8	231.4	229.7	3.5	-0.7	1.2	1.5	-0.4
Heating equipment	10-6	201.6	211.8	212.6	8.4	0.4	1.6	3.7	0.3
Fabricated structural metal products ²	10-7	200.8	212.6	215.7	14.6	1.5	1.6	1.6	1.5
Fabricated ferrous wire products (June 1982=100) ²	10-88	194.1	207.3	215.6	27.9	4.0	3.2	6.0	4.0
Other misc metal products ²	10-89	147.9	153.8	154.4	6.1	0.4	1.0	2.8	0.4
Mechanical power transmission equipment	11-45	212.5	222.0	223.2	8.6	0.5	1.1	2.1	0.7
Air conditioning and refrigeration equipment	11-48	159.4	164.1	165.9	5.5	1.1	0.2	1.2	1.4
Metal valves, ex.fluid power (Dec. 1982=100) ²	11-49-02	236.5	242.1	241.9	5.5	-0.1	0.6	1.0	-0.1
Ball and roller bearings ²	11-49-05	205.8	216.9	216.9	7.1	0.0	-1.2	4.1	0.0
Wiring devices ²	11-71	201.5	210.3	210.1	7.2	-0.1	0.8	1.4	-0.1
Motors, generators, motor generator sets ²	11-73	178.7	182.9	183.5	5.5	0.3	0.6	1.4	0.3
Switchgear, switchboard, etc, equipment ²	11-75	193.6	195.5	195.4	4.5	-0.1	1.2	0.0	-0.1
Electronic components and accessories ²	11-78	77.4	77.4	77.3	-4.3	-0.1	0.0	-0.1	-0.1
Internal combustion engines ²	11-94	155.6	157.2	157.4	1.5	0.1	0.4	0.6	0.1
Machine shop products ²	11-95	169.6	171.2	171.6	7.7	0.2	0.9	-0.1	0.2
Flat glass ²	13-11	112.5	117.3	118.0	3.4	0.6	0.4	2.3	0.6
Cement	13-22	211.3	210.3	210.7	0.5	0.2	0.4	-0.9	0.5
Concrete products	13-3	208.7	211.5	211.3	3.6	-0.1	1.0	0.0	0.0
Asphalt felts and coatings	13-6	156.9	185.9	209.6	42.6	12.7	4.3	10.9	13.0
Gypsum products ²	13-7	211.0	209.8	219.7	1.7	4.7	-0.4	1.3	4.7
Glass containers	13-8	170.0	174.2	172.9	5.8	-0.7	0.6	1.9	-0.5
Motor vehicle parts ²	14-12	118.5	120.3	120.8	2.1	0.4	0.0	1.2	0.4
Aircraft engines & engine parts (Dec 1985=100)	14-23	185.5	185.5	186.0	3.6	0.3	-0.1	0.4	0.4
Aircraft parts & aux. equip.,nec (June 1985=100) ²	14-25	163.5	164.3	166.8	5.5	1.5	0.2	0.1	1.5
Photographic supplies ²	15-42	124.5	125.5	127.1	2.7	1.3	-0.3	0.0	1.3
Medical/surgical/personal aid devices	15-6	166.1	166.3	165.9	1.8	-0.2	-0.2	0.5	-0.2
Crude materials for further processing		274.6	317.9	280.0	38.1	-11.9	3.7	4.2	-11.9
Crude foodstuffs and feedstuffs		168.1	179.3	170.4	15.3	-5.0	3.5	0.1	-5.2
Wheat ²	01-21	269.1	217.3	220.7	27.6	1.6	-2.7	-9.1	1.6
Corn ²	01-22-02	232.1	240.5	205.4	63.0	-14.6	12.2	-6.1	-14.6
Slaughter cattle ²	01-31	133.9	144.8	148.0	10.3	2.2	-0.4	4.5	2.2
Slaughter hogs	01-32	68.5	87.6	107.2	26.3	22.4	-3.4	-2.1	20.1
Slaughter broilers/fryers	01-41-02	206.6	232.4	208.5	2.5	-10.3	-0.9	3.6	-9.0
Slaughter turkeys	01-42	162.0	178.5	186.9	9.4	4.7	-2.0	-0.1	-0.3
Fluid milk	01-6	134.9	145.4	138.6	-14.3	-4.7	5.7	-0.5	-5.7
Soybeans ²	01-83-01-31	228.2	259.5	203.0	58.0	-21.8	6.9	7.0	-21.8
Cane sugar, raw (Dec 2003=100) ²	02-52-01-03	117.9	121.9	123.9	2.3	1.6	0.0	3.0	1.6
Crude nonfood materials		352.4	423.3	360.5	51.7	-14.8	3.7	6.0	-14.8
Raw cotton ²	01-51	103.5	100.5	99.0	32.4	-1.5	-2.5	1.9	-1.5
Hides and skins ²	04-1	193.5	201.1	199.6	-1.0	-0.7	3.2	0.0	-0.7
Coal	05-1	163.9	166.8	169.9	30.2	1.9	14.4	2.1	2.7
Natural gas ²	05-31	384.0	512.6	389.9	61.6	-23.9	5.2	7.8	-23.9
Crude petroleum ²	05-61	314.4	389.3	320.6	62.0	-17.6	4.4	6.7	-17.6
Logs, timber, etc ²	08-5	217.4	222.6	220.0	2.9	-1.2	1.1	0.1	-1.2
Wastepaper ²	09-12	437.9	403.2	401.0	3.2	-0.5	-4.7	1.5	-0.5
Iron ore ²	10-11	145.2	145.2	145.2	12.0	0.0	0.0	0.0	0.0

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 Aug. 2008 from:		Seasonally adjusted percent change from:		
		Apr. 2008 ¹	July 2008 ¹	Aug. 2008 ¹	Aug. 2007	July 2008	May to June	June to July	July to Aug.
Crude nonfood materials - Continued									
Iron and steel scrap ²	10-12	700.4	816.4	786.6	100.1	-3.7	0.3	5.2	-3.7
Nonferrous metal ores (Dec 1983=100) ²	10-21	282.2	280.9	275.6	8.9	-1.9	1.0	3.9	-1.9
Copper base scrap ²	10-23-01	605.3	581.1	551.4	8.7	-5.1	-5.3	1.8	-5.1
Aluminum base scrap	10-23-02	318.2	323.6	309.1	15.5	-4.5	1.1	5.8	-2.3
Construction sand, gravel, and crushed stone	13-21	245.1	248.0	250.7	7.0	1.1	1.0	-0.2	1.3
Industrial sand	13-99-01	206.8	221.7	220.9	15.6	-0.4	0.6	6.6	0.2

1 The indexes for April 2008 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject 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 ¹		
		Apr. 2008	July 2008	Aug. 2008
All commodities.....		190.9	205.6	199.9
Major commodity groups				
Farm products and processed foods and feeds.....		174.0	182.6	179.3
Farm products.....	01	166.7	174.7	164.5
Processed foods and feeds.....	02	177.8	186.6	187.4
Industrial commodities.....		193.8	209.6	203.5
Textile products and apparel.....	03	127.6	129.0	130.1
Hides, skins, leather, and related products.....	04	172.9	175.0	175.4
Fuels and related products and power.....	05	224.7	269.8	239.5
Chemicals and allied products ²	06	240.4	259.4	268.7
Rubber and plastic products.....	07	161.3	167.3	169.1
Lumber and wood products.....	08	190.5	193.7	193.7
Pulp, paper, and allied products.....	09	224.9	226.8	230.0
Metals and metal products.....	10	217.6	232.2	232.2
Machinery and equipment.....	11	128.7	130.4	130.8
Furniture and household durables.....	12	147.2	149.1	149.9
Nonmetallic mineral products.....	13	191.0	198.9	203.1
Transportation equipment.....	14	157.6	157.5	157.3
Miscellaneous products.....	15	214.9	218.4	219.1
Industrial commodities less fuels and related products and power.....		179.8	185.7	187.5
Other commodity groupings				
Fruits and melons, fresh and dry vegetables, and tree nuts.....	01-1	159.9	150.9	138.1
Grains.....	01-2	239.8	235.4	210.2
Slaughter livestock.....	01-3	119.0	132.8	141.6
Slaughter poultry.....	01-4	195.0	218.6	201.2
Plant and animal fibers.....	01-5	104.3	101.4	99.9
Chicken eggs.....	01-7	184.7	150.3	163.7
Hay, hayseeds, and oilseeds.....	01-8	255.5	289.8	238.5
Oilseeds.....	01-83	244.9	278.1	218.8
Cereal and bakery products.....	02-1	228.5	233.2	232.7
Meats, poultry, and fish.....	02-2	146.3	157.6	160.9
Processed poultry.....	02-22	136.3	142.7	140.5
Sugar and confectionery.....	02-5	177.5	180.1	182.4
Beverages and beverage materials.....	02-6	171.4	174.1	173.9
Packaged beverage materials.....	02-63	175.3	177.0	177.9
Fats and oils.....	02-7	305.2	336.6	319.6
Apparel.....	03-81	127.8	128.0	128.5
Other leather and related products.....	04-4	158.6	159.9	159.9
Gas fuels.....	05-3	386.5	506.0	390.3
Electric power.....	05-4	170.4	183.5	183.5
Refined petroleum products.....	05-7	291.1	357.9	314.3
Drugs and pharmaceuticals.....	06-3	339.3	341.9	343.4
Agricultural chemicals and products.....	06-5	244.3	303.1	333.5
Other chemicals and allied products.....	06-7	168.7	173.8	175.0
Rubber and rubber products.....	07-1	147.3	156.4	158.2
Rubber, except natural rubber.....	07-11	183.6	212.8	221.6
Miscellaneous rubber products.....	07-13	160.0	165.2	165.8
Plastic products.....	07-2	171.9	177.2	179.0
Lumber.....	08-1	162.8	166.9	167.9
Pulp, paper, and products, excluding building paper and board.....	09-1	196.3	198.5	203.7
Converted paper and paperboard products.....	09-15	194.7	197.4	201.0
Iron and steel.....	10-1	250.6	295.0	296.4
Nonferrous metals.....	10-2	270.6	266.3	261.0
Nonferrous mill shapes.....	10-25	228.6	228.8	225.8
Metalworking machinery and equipment.....	11-3	167.5	169.9	170.5
General purpose machinery and equipment.....	11-4	189.3	194.7	196.4
Special industry machinery.....	11-6	186.6	187.8	188.3
Electrical machinery and equipment.....	11-7	113.2	114.0	114.0
Miscellaneous machinery and equipment.....	11-9	162.4	166.7	167.6
Other household durable goods.....	12-6	172.4	173.9	174.6
Concrete ingredients.....	13-2	228.7	230.1	231.9
Motor vehicles and equipment.....	14-1	133.6	132.7	132.0
Toys, sporting goods, small arms, etc.....	15-1	142.9	145.0	145.3
Photographic equipment and supplies.....	15-4	110.5	111.6	112.8
Other miscellaneous products.....	15-9	161.4	163.4	163.4

¹ Data for April 2008 have been revised to reflect the availability of late reports and corrections by respondents. All data are subject to revision 4 months after original publication.

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

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

Industry ¹	Industry code	Index base	Index			Percent change to Aug. 2008 from:	
			Apr. 2008 ²	July 2008 ²	Aug. 2008 ²	Aug. 2007	July 2008
Total mining, utilities, and manufacturing industries.....		12/06	111.8	118.9	117.2	12.5	-1.4
Total mining industries.....		12/84	301.6	368.9	306.9	44.4	-16.8
Oil and gas extraction.....	211	12/85	390.8	499.4	395.4	55.6	-20.8
Mining (except oil & gas).....	212	12/03	186.1	189.3	191.6	19.2	1.2
Mining support activities.....	213	12/03	170.1	176.5	178.8	6.0	1.3
Utilities.....	221	12/03	134.5	146.3	146.2	11.8	-0.1
Total manufacturing industries.....		12/84	175.3	185.6	183.0	12.3	-1.4
Food mfg.....	311	12/84	171.2	180.1	180.8	12.8	0.4
Beverage & tobacco mfg.....	312	12/03	112.9	115.2	114.9	4.5	-0.3
Textile mills.....	313	12/84	110.6	112.6	113.9	4.9	1.2
Textile product mills.....	314	12/03	111.3	112.0	113.0	3.0	0.9
Apparel manufacturing.....	315	12/03	102.2	102.4	102.8	1.3	0.4
Leather and allied product manufacturing.....	316	12/84	152.7	154.4	154.8	3.3	0.3
Wood product manufacturing.....	321	12/03	106.2	109.0	109.2	1.3	0.2
Paper manufacturing.....	322	12/03	120.2	121.6	124.2	7.4	2.1
Printing and related support activities.....	323	12/03	109.0	110.0	110.4	3.4	0.4
Petroleum and coal products manufacturing.....	324	12/84	347.7	428.9	383.9	48.8	-10.5
Chemical mfg.....	325	12/84	221.1	233.7	240.0	17.1	2.7
Plastics and rubber products mfg.....	326	12/84	156.8	162.7	165.0	9.1	1.4
Nonmetallic mineral product mfg.....	327	12/84	169.1	171.4	171.9	3.2	0.3
Primary metal mfg.....	331	12/84	211.5	233.2	235.1	22.4	0.8
Fabricated metal product mfg.....	332	12/84	171.1	177.3	178.9	9.8	0.9
Machinery mfg.....	333	12/03	115.1	117.9	118.5	5.5	0.5
Computer & electronic product mfg.....	334	12/03	92.7	93.0	93.0	-0.5	0.0
Electrical equipment, appliance & component mfg.....	335	12/03	127.3	129.0	129.9	5.1	0.7
Transportation equipment mfg.....	336	12/03	106.7	106.5	106.3	2.0	-0.2
Furniture & related product mfg.....	337	12/84	169.5	172.1	172.7	4.2	0.3
Miscellaneous mfg.....	339	12/03	109.3	110.4	110.8	3.6	0.4
Total trade industries.....		12/06	106.6	110.1	112.4	7.7	2.1
Total wholesale trade industries.....		12/06	105.7	110.6	115.8	11.3	4.7
Merchant wholesalers, durable goods.....	423	06/04	113.9	120.0	123.1	10.7	2.6
Merchant wholesalers, nondurable goods.....	424	06/05	114.7	119.3	128.7	12.6	7.9
Wholesale trade agents and brokers.....	425	06/05	110.6	110.8	112.0	5.0	1.1
Total retail trade industries.....		12/06	107.4	109.8	110.1	5.2	0.3
Motor vehicle and parts dealers.....	441	12/03	118.9	118.1	118.8	3.4	0.6
Furniture and home furnishings stores.....	442	12/03	119.4	120.3	120.8	1.0	0.4
Electronics and appliance stores.....	443	12/03	119.7	110.1	109.9	0.1	-0.2
Bldg material and garden equip and supp dealers.....	444	12/03	117.4	121.6	120.0	-0.7	-1.3
Food and beverage stores.....	445	12/99	147.9	151.3	150.0	7.1	-0.9
Health and personal care stores.....	446	12/03	127.2	135.4	133.1	7.1	-1.7
Gasoline stations.....	447	06/01	65.7	80.1	84.3	18.2	5.2
Clothing and clothing accessories stores.....	448	12/03	111.6	111.7	111.0	3.9	-0.6
Sporting goods hobby, book and music stores.....	451	12/03	110.2	114.0	113.9	7.4	-0.1
General merchandise stores.....	452	12/03	115.9	113.1	111.4	-0.8	-1.5
Nonstore retailers.....	454	12/03	136.4	140.9	167.6	30.6	18.9
Transportation and warehousing industries.....		12/06	110.5	115.9	116.1	10.2	0.2
Transportation industries.....		12/06	110.5	116.1	116.2	11.1	0.1
Air transportation.....	481	12/92	199.5	211.4	213.0	12.6	0.8
Rail transportation.....	482	12/96	152.9	161.7	163.2	14.4	0.9
Water transportation.....	483	12/03	121.1	129.3	132.2	15.3	2.2
Truck transportation.....	484	12/03	122.4	127.9	127.1	10.0	-0.6
Pipeline transportation of crude oil.....	486110	06/86	149.9	156.3	156.1	10.4	-0.1
Refined petroleum product pipeline transport.....	486910	06/86	135.7	142.1	141.8	5.7	-0.2
Transportation support activities.....	488	12/03	112.2	113.8	113.0	3.1	-0.7
Delivery and warehouse industries.....		12/06	110.2	115.0	115.5	7.3	0.4
Postal service.....	491	06/89	175.5	180.5	180.5	2.8	0.0
Couriers and messengers.....	492	12/03	138.3	146.8	148.2	12.1	1.0
Warehousing and storage.....	493	12/06	105.5	107.4	107.4	5.4	0.0
Total traditional service industries.....		12/06	102.1	101.8	102.5	0.6	0.7
Information.....		12/06	102.2	102.0	102.5	1.5	0.5
Publishing industries, except Internet.....	511	12/03	110.9	110.8	111.3	2.7	0.5
Broadcasting, except Internet.....	515	12/03	106.4	103.3	104.3	5.7	1.0
Telecommunications.....	517	12/03	101.0	101.0	101.7	0.4	0.7
ISPs and Web search portals.....	5181	06/04	73.5	74.0	73.5	1.4	-0.7
Data processing and related services.....	5182	12/03	100.4	101.0	101.1	0.7	0.1

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 ¹	Industry code	Index base	Index			Percent change to Aug. 2008 from:	
			Apr. 2008 ²	July 2008 ²	Aug. 2008 ²	Aug. 2007	July 2008
Selected health care industries.....		12/06	104.5	104.7	104.8	2.5	0.1
Offices of physicians.....	6211	12/96	123.2	123.2	123.4	1.0	0.2
Medical and diagnostic laboratories.....	6215	12/03	107.3	106.9	106.9	-0.7	0.0
Home health care services.....	6216	12/96	125.4	125.4	126.8	2.3	1.1
Blood and organ banks.....	621991	06/06	105.5	106.3	106.8	2.9	0.5
Hospitals.....	622	12/92	162.7	163.2	163.1	3.2	-0.1
Nursing care facilities.....	6231	12/03	118.5	119.1	119.4	3.2	0.3
Residential mental retardation facilities.....	62321	12/03	118.2	117.8	118.1	4.3	0.3
Other selected traditional service industries.....		12/06	101.3	100.8	101.7	-0.4	0.9
Depository credit intermediation.....	5221	12/03	104.0	97.7	102.1	-11.9	4.5
Security, commodity contracts and like activity.....	523	12/03	119.6	118.8	119.4	-0.8	0.5
Insurance carriers and related activities.....	524	12/03	109.7	109.9	110.2	2.3	0.3
Lessors of nonres bldg (exc miniwarehouse).....	53112	12/03	109.5	110.2	111.5	3.3	1.2
Lessors of miniwarehouse and self storage units.....	53113	12/03	112.2	115.2	115.4	1.4	0.2
Offices of real estate agents and brokers.....	5312	12/03	110.2	107.0	105.4	-5.1	-1.5
Automotive equipment rental and leasing.....	5321	06/01	120.3	132.6	133.4	9.1	0.6
Other heavy machinery rental and leasing.....	532412	12/03	119.1	117.1	117.5	-0.5	0.3
Legal services.....	5411	12/96	161.1	161.5	161.7	5.1	0.1
Architectural, engineering and related services.....	5413	12/96	140.5	141.5	141.5	0.5	0.0
Management and technical consulting services.....	5416	06/06	105.3	106.3	106.1	3.6	-0.2
Advertising agencies.....	54181	12/03	105.7	105.7	105.7	0.6	0.0
Employment services.....	5613	12/96	122.9	123.1	123.5	1.3	0.3
Travel agencies.....	56151	12/03	98.8	98.8	98.8	-2.2	0.0
Janitorial services.....	56172	12/03	108.9	109.1	109.8	4.1	0.6
Waste collection.....	5621	12/03	112.2	112.1	113.1	4.8	0.9
Computer training.....	61142	06/06	109.4	110.1	110.3	6.0	0.2
Amusement and theme parks.....	71311	06/06	108.3	109.6	111.4	4.3	1.6
Golf courses and country clubs.....	71391	12/05	106.4	106.9	107.0	2.2	0.1
Fitness and recreational sports centers.....	71394	12/04	100.7	101.0	101.1	1.3	0.1
Accommodation.....	721	12/96	145.6	152.8	152.4	3.5	-0.3
Commercial machinery repair and maintenance.....	8113	06/06	104.8	106.2	106.7	4.4	0.5

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 April 2008 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 ¹					
	Mar. 2008	Apr. 2008	May 2008	June 2008	July 2008	Aug. 2008
Finished goods.....	175.6	176.1	178.5	181.7	183.9	182.2
Finished consumer goods.....	184.9	185.3	188.5	192.8	195.2	192.9
Finished consumer foods.....	176.2	176.2	177.4	180.1	180.6	181.2
Crude.....	195.4	183.0	175.1	189.3	170.8	164.4
Processed.....	174.3	175.6	177.6	179.2	181.5	182.8
Finished consumer goods, excluding foods.....	188.0	188.4	192.5	197.5	200.7	197.2
Nondurable goods less foods.....	209.5	209.7	215.9	223.3	227.7	222.4
Durable goods.....	139.5	140.5	140.3	140.7	141.6	141.4
Capital equipment.....	151.6	152.5	152.7	153.1	154.3	154.5
Manufacturing industries.....	155.1	155.9	156.7	157.1	158.0	158.7
Nonmanufacturing industries.....	150.4	151.3	151.3	151.7	153.0	153.0
Intermediate materials, supplies, and components.....	185.2	187.1	192.0	196.1	201.4	199.4
Materials and components for manufacturing.....	173.0	175.4	178.7	181.6	186.5	190.6
Materials for food manufacturing.....	180.1	180.6	182.2	185.1	186.7	186.6
Materials for nondurable manufacturing.....	205.8	209.3	214.3	220.1	232.0	244.1
Materials for durable manufacturing.....	200.2	205.4	212.5	216.1	219.3	220.1
Components for manufacturing.....	137.9	138.6	139.3	139.9	141.4	142.1
Materials and components for construction.....	197.2	200.0	203.2	206.2	209.8	213.0
Processed fuels and lubricants.....	209.7	210.6	224.1	234.6	243.2	220.4
Manufacturing industries.....	200.8	200.5	211.4	217.8	226.8	214.8
Nonmanufacturing industries.....	213.9	215.2	229.9	242.0	250.5	223.4
Containers.....	185.9	187.0	188.0	188.5	191.7	194.3
Supplies.....	170.0	171.2	172.8	174.3	177.8	179.4
Manufacturing industries.....	167.5	168.4	168.6	169.7	171.4	172.7
Nonmanufacturing industries.....	169.1	170.5	172.4	174.0	177.8	179.6
Feeds.....	179.3	179.3	187.1	187.3	205.8	204.6
Other supplies.....	169.2	170.6	172.0	173.7	175.9	178.0
Crude materials for further processing.....	262.6	274.9	293.1	303.8	316.5	278.8
Foodstuffs and feedstuffs.....	170.6	169.8	170.9	176.8	177.0	167.8
Nonfood materials.....	327.1	351.3	384.7	399.1	423.1	360.6
Nonfood materials except fuel ²	324.0	348.6	373.1	381.6	401.4	358.9
Manufacturing ²	301.9	325.0	348.1	356.0	374.6	334.7
Construction.....	200.4	199.1	196.9	198.5	201.6	200.4
Crude fuel ³	306.3	328.0	374.1	397.8	426.7	335.5
Manufacturing industries.....	289.7	310.9	352.5	375.5	402.4	318.4
Nonmanufacturing industries.....	313.4	335.5	382.9	407.0	436.7	343.1
Special groupings						
Finished goods, excluding foods.....	175.1	175.7	178.5	181.9	184.5	182.2
Intermediate materials less foods and feeds.....	185.5	187.4	192.4	196.6	201.8	199.7
Intermediate foods and feeds.....	180.4	180.7	184.5	186.4	193.9	193.5
Crude materials less agricultural products ²	336.3	361.4	396.6	411.9	436.9	371.5
Finished energy goods.....	179.7	179.5	188.1	199.4	205.5	196.1
Finished goods less energy.....	167.5	168.2	168.9	169.9	170.9	171.3
Finished consumer goods less energy.....	174.6	175.1	176.0	177.3	178.2	178.7
Finished goods less foods and energy.....	164.9	165.8	166.3	166.7	167.8	168.2
Finished consumer goods less foods and energy.....	173.9	174.8	175.5	176.0	177.1	177.5
Consumer nondurable goods less foods and energy.....	203.5	204.3	205.9	206.5	207.7	208.9
Intermediate energy goods.....	212.0	212.2	225.5	236.7	246.9	226.6
Intermediate materials less energy.....	176.0	178.3	181.1	183.3	187.3	190.2
Intermediate materials less foods and energy.....	175.8	178.2	180.9	183.2	186.9	190.0
Crude energy materials ²	325.1	345.5	388.7	409.7	438.1	352.9
Crude materials less energy.....	212.9	219.6	222.7	227.3	230.3	221.3
Crude nonfood materials less energy ³	331.5	365.1	375.0	374.1	387.0	379.8

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 April 2008 have been recalculated to incorporate late reports and corrections by respondents.

2 Includes crude petroleum.

3 Excludes crude petroleum.

"-" Data not available.