

News

United States
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Bureau of Labor Statistics

Washington, D.C. 20212

FOR DATA ONLY: (202) 691-5200
FOR TECHNICAL INFORMATION:
(202) 691-7705
MEDIA CONTACT: (202) 691-5902
<http://www.bls.gov/ppi>

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Producer Price Indexes -- November 2004

The Producer Price Index for Finished Goods advanced 0.5 percent in November, seasonally adjusted, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. This increase followed a 1.7-percent gain in October and a 0.1-percent rise in September. At the earlier stages of processing, the index for intermediate goods went up 0.8 percent, compared with a 0.9-percent rise in October, while prices for crude goods jumped 8.7 percent in November, after moving up 4.3 percent in the previous month. (See table A.)

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

| Month | Finished goods | | | | | Inter- mediate goods | Crude goods |
|-------|----------------|--------|--------|-------------------------------|---|----------------------------|----------------|
| | Total | Foods | Energy | Except foods and energy | Change in finished goods from 12 months ago (unadj.) | | |
| 2003 | | | | | | | |
| Nov. | -0.1 | -0.3 | -0.7 | 0.0 | 3.4 | 0.0 | 0.0 |
| Dec. | .2 | .2 | 1.4 | -.1 | 4.0 | .4 | 3.4 |
| 2004 | | | | | | | |
| Jan. | .6 | -1.3 | 4.7 | .3 | 3.3 | .9 | 4.1 |
| Feb. | .1 | .4 | .3 | -.1 | 2.1 | 1.0 | 1.5 |
| Mar. | .6 | 1.5 | .6 | .3 | 1.5 | .8 | 1.6 |
| Apr. | .7 | 1.3 | 1.8 | .1 | 3.7 | 1.4 | 1.8 |
| May | .6 | 1.5 | 1.3 | .2 | 4.9 | 1.0 | 3.2 |
| June | -.2 | -.4 | -1.7 | .3 | 4.0 | .5 | .7 |
| July | r 0 | r -1.8 | r 2.7 | r -.2 | r 3.8 | r .5 | r -.4 |
| Aug. | r .1 | r -.3 | r -.1 | r .3 | 3.4 | r 1.2 | r -1.1 |
| Sept. | .1 | .1 | -.9 | .3 | 3.3 | .1 | -4.2 |
| Oct. | 1.7 | 1.6 | 6.8 | .3 | 4.4 | .9 | 4.3 |
| Nov. | .5 | .4 | 1.8 | .2 | 5.0 | .8 | 8.7 |

r=revised. Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for July 2004 have been revised to reflect the availability of late reports and corrections by respondents.

Among finished goods, the rate of increase in the index for finished energy goods slowed from 6.8 percent in October to 1.8 percent in November. Prices for finished consumer foods moved up 0.4 percent, following a 1.6-percent gain in the preceding month. The index for finished goods other than foods and energy increased 0.2 percent in November, following a 0.3-percent rise in the prior month.

Before seasonal adjustment, the Producer Price Index for Finished Goods inched down 0.1 percent in November to 151.7 (1982=100). From November 2003 to November 2004, prices for finished goods increased 5.0 percent. Over the same period, the finished energy goods index rose 19.8 percent, prices for finished goods other than foods and energy went up 1.9 percent, and the index for finished consumer foods advanced 2.9 percent. Prices for intermediate goods rose 9.8 percent for the 12 months ended November 2004, while the crude goods index jumped 25.5 percent.

Finished goods

Prices for finished energy goods rose at a 1.8-percent rate in November, compared with a 6.8-percent rate of increase in the prior month. The majority of this deceleration was due to a downturn in the gasoline index, which fell 0.7 percent after jumping 17.3 percent in October. Prices for home heating oil and diesel fuel also decreased, following gains a month earlier. The indexes for residential electric power and liquefied petroleum gas advanced less than they did in the prior month. By contrast, residential natural gas prices moved up 6.2 percent in November, after climbing 1.0 percent in the previous month. The index for lubricating and similar oils also rose more than it did in October.

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

| Month | Intermediate goods | | | | Crude goods | | | |
|-------|--------------------|--------|-------------------------|--|-------------|-----------------|-------------------------|---|
| | Foods | Energy | Except foods and energy | Change in intermediate goods from 12 months ago (unadj.) | Foods | Energy (unadj.) | Except foods and energy | Change in crude goods from 12 months ago (unadj.) |
| 2003 | | | | | | | | |
| Nov. | 2.6 | -1.3 | 0.1 | 3.4 | -0.6 | -1.3 | 4.3 | 18.0 |
| Dec. | -3 | 1.4 | .2 | 3.9 | .3 | 7.0 | 3.0 | 19.5 |
| 2004 | | | | | | | | |
| Jan. | -1.3 | 2.9 | .6 | 3.9 | -6.8 | 15.3 | 3.7 | 16.1 |
| Feb. | 1.3 | .7 | .9 | 2.8 | 4.3 | -2.8 | 6.1 | 12.0 |
| Mar. | 2.5 | .4 | .8 | 1.5 | 6.9 | -3.7 | 2.8 | .5 |
| Apr. | 4.7 | 1.8 | 1.1 | 5.4 | 3.3 | 3.8 | -4.3 | 21.6 |
| May | 2.8 | 1.5 | .8 | 7.2 | 2.1 | 8.4 | -5.2 | 23.6 |
| June | -2.0 | 1.6 | .3 | 7.0 | -2.9 | 4.6 | -.5 | 19.4 |
| July | r -2.1 | r 1.3 | r .5 | r 7.3 | r -4.9 | r -1.2 | r 11.0 | r 22.5 |
| Aug. | r -4.6 | r 2.9 | r 1.2 | 8.1 | r -4.5 | r .1 | r 2.5 | 22.4 |
| Sept. | -1.7 | -1.9 | .7 | 8.4 | -2.1 | -6.6 | -2.5 | 14.2 |
| Oct. | -1.9 | 4.3 | .3 | 9.0 | -.8 | 7.9 | 5.4 | 15.7 |
| Nov. | 0 | 2.3 | .4 | 9.8 | 1.8 | 17.0 | 2.5 | 25.5 |

r=revised. Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for July 2004 have been revised to reflect the availability of late reports and corrections by respondents.

Price increases for finished consumer foods slowed to 0.4 percent in November from 1.6 percent in October. The index for fresh and dry vegetables increased 4.4 percent in November, following a 34.2-percent upsurge in the preceding month. Prices for processed fruits and vegetables and pork also rose more slowly than they did in the previous month, while the indexes for fresh fruits and melons, beef and veal, and soft drinks turned down in November. By contrast, prices for processed young chickens rose 1.7 percent, following a 2.8-percent decline in October. The indexes for finfish and shellfish and bakery products also turned up, compared with decreases in the prior month. Prices for dairy products increased more rapidly in November than they did a month earlier, while the index for eggs for fresh use fell less than it did in October.

The capital equipment index advanced 0.2 percent in November, after moving up 0.4 percent in the preceding month. In November, rising prices for civilian aircraft; passenger cars; commercial furniture; truck trailers; and pumps, compressors, and equipment outweighed falling prices for light motor trucks, electronic computers, off-highway trucks, tractor shovel loaders, and heavy motor trucks.

The index for finished consumer goods other than foods and energy increased 0.2 percent in November, the same as in October. Rising prices were registered in November for passenger cars, household furniture, cigarettes, book publishing, and pharmaceutical preparations. These increases outweighed falling prices for light motor trucks; women's, girls', and infants' apparel; and sporting and athletic goods.

Intermediate goods

The Producer Price Index for Intermediate Materials, Supplies, and Components increased 0.8 percent in November, after advancing 0.9 percent in October. Prices rose in November for intermediate energy goods, materials for nondurable manufacturing, and durable manufacturing materials, while the indexes for construction materials and intermediate foods and feeds showed no change. Excluding foods and energy prices, the intermediate goods index moved up 0.4 percent in November, after rising 0.3 percent in October. (See table B.)

Price increases for intermediate energy goods slowed from October to November -- climbing 4.3 and 2.3 percent, respectively. In November, the jet fuels index rose 4.4 percent, following a 17.2-percent increase in October. The liquefied petroleum gas index also increased less rapidly than it did in October. Prices for gasoline, diesel fuel, and home heating oil turned down, after advancing in the previous month. By contrast, industrial electric power prices rose 3.5 percent in November, following a 2.4-percent decline in the preceding month. The indexes for industrial natural gas, commercial electric power, and natural gas to electric utilities also turned up in November. Prices for commercial natural gas and residual fuel rose more quickly in November than they did a month earlier.

The index for materials for nondurable manufacturing moved up 1.0 percent in November, compared with a 0.9-percent increase in October. Rising prices for liquid refinery gases, plastic resins and materials, fertilizer materials, alkalis and chlorine, and finished fabrics more than offset falling prices for inedible fats and oils, woodpulp, gray fabrics, cyclic intermediate chemicals, and processed yarns and threads.

Prices for materials for durable manufacturing increased 0.5 percent in November, following a 0.3-percent decline in October. Leading this upturn, the index for aluminum mill shapes rose 0.2 percent, after slipping 6.6 percent in the prior month. Prices for titanium mill shapes also turned up, after decreasing in October. The indexes for cold rolled steel sheet and strip, building paper and board, and plywood fell less in November than they did a month earlier. Alternatively, prices for copper cathode and refined copper declined 2.5 percent, compared with an 11.5-percent jump in the prior month. Prices for copper and brass mill shapes also turned down, after rising in the previous month. The rate of increase in the indexes for semifinished steel mill products and hot rolled steel bars, plates, and structural shapes slowed from October to November.

The index for materials and components for construction showed no change in November, after edging down 0.1 percent in October. Price increases for fabricated structural metal products, concrete products, asphalt felts and coatings, steel mill products, plastic construction products, and nonferrous wire and cable offset falling prices for softwood lumber, plywood, building paper and board, wiring devices, mineral wool for structural insulation, and switchgear and switchboard equipment.

Subsequent to a 1.9-percent decline in October, the intermediate foods and feeds index showed no change in November. Prepared animal feed prices fell 1.0 percent in November, following a 5.7-percent drop in the previous month. The indexes for natural, processed, and imitation cheese; flour; and processed young chickens turned up in November, after declining a month earlier. Prices for shortening and cooking oils decreased at a slower pace than they did in the prior month. By contrast, the beef and veal index moved down 1.6 percent in November, after climbing 3.2 percent in October. Prices for fluid milk products; refined sugar and byproducts; and dry, condensed, and evaporated milk products also turned down, following increases in October. The pork index rose less rapidly in November than it did in the preceding month.

Crude goods

The Producer Price Index for Crude Materials for Further Processing gained 8.7 percent in November, after rising 4.3 percent in October. Prices for crude energy materials rose at a higher rate in November than they did in the preceding month, while the crude foodstuffs and feedstuffs index advanced, after posting a decline in October. By contrast, the rate of increase in prices for basic industrial materials slowed from October to November. (See table B.)

The crude energy materials index rose 17.0 percent in November, after increasing 7.9 percent in October. The natural gas index jumped 43.7 percent in November, compared with a 2.7-percent increase in the prior month. Coal prices were unchanged in November, following a 1.9-percent decrease in October. By contrast, crude petroleum prices fell 11.1 percent, after climbing 18.4 percent in the previous month.

Prices for crude foodstuffs and feedstuffs rose 1.8 percent in November, following a 0.8-percent decline in October. A 12.3-percent decrease in the soybean index in October was followed by a 1.8-percent rise in November. The wheat, unprocessed shellfish, and unprocessed finfish indexes also turned up in November. Corn prices fell less in November than they did in October. The indexes for slaughter hogs and fluid milk increased more in November than they did in the previous month. By contrast, prices for slaughter cattle fell 2.8 percent in November, after decreasing 1.2 percent in October. The fresh and dry vegetables index increased less in November than it did a month earlier. Prices for fresh fruits and melons and slaughter broilers and fryers fell, after increasing in the preceding month.

Prices for basic industrial materials increased 2.5 percent in November, after rising 5.4 percent in October. The iron and steel scrap index went up 8.0 percent, following a 15.4-percent advance in October. Prices for copper base scrap, aluminum base scrap, and gold ores also rose less in November than they did in the previous month. The wastepaper index fell in November, after registering a gain in October. By contrast, the raw cotton index increased 0.1 percent, compared with a 12.3-percent drop in October. The indexes for leaf tobacco and phosphates increased at a faster rate in November than they did in October.

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

Mining. The Producer Price Index for the Net Output of Total Mining Industries climbed 13.6 percent in November, after posting a 6.8-percent rise in October. (Net output price indexes are not seasonally adjusted.) Much of this acceleration can be attributed to the index for the natural gas liquid extraction industry, which surged 34.1 percent in November, following a 4.9-percent gain a month earlier. Prices received by the industries for oil and gas operations support activities, coal mining support activities, and industrial sand mining also advanced at a faster pace than they did in October. The index for the bituminous coal and lignite surface mining industry fell less in November than it did in the prior month. By contrast, price increases received by the oil and gas well drilling industry slowed from 5.8 percent in October to 1.2 percent in November. The industry indexes for the crude petroleum and natural gas extraction and gold ore mining also rose at a slower rate than they did in the preceding month. Prices received by the bituminous coal underground mining industry were unchanged in November, after moving up a month earlier. In November, the Producer Price Index for the Net Output of Total Mining Industries was 180.5 (December 1984=100), 48.6 percent above its year-ago level.

Manufacturing. The Producer Price Index for the Net Output of Total Manufacturing Industries turned down 0.3 percent in November, following a 1.7-percent advance in October. Prices received by petroleum and coal product manufacturers fell 3.5 percent in November, compared with an 11.2-percent gain in the preceding month. The index for the transportation equipment industry group also moved down, after rising in October. Prices received by the producers of plastics and rubber products, machinery, and chemicals increased at a slower rate in November than they did in the prior month. The industry group indexes for electrical equipment and appliance manufacturers, beverage and tobacco producers, and paper manufacturers were unchanged in November, following advances in October, while prices received by the computer and electronic products industry group declined, after showing no change in the previous month. Conversely, the industry group index for food manufacturing was unchanged in November, following a 0.3-percent decrease a month earlier. Prices received by producers of furniture and related products, primary metals, and textile mill products climbed more than they did in October. The index for the printing and related support activities industry group turned up in November. In November, the Producer Price Index for the Net Output of Total Manufacturing Industries was 146.0 (December 1984=100), 6.0 percent above its year-ago level.

Services. Among services industries in November, the indexes increased for investment bankers and securities dealers, general medical and surgical hospitals, direct property and casualty insurance carriers, direct life insurance carriers, long-distance general freight trucking companies (both truckload and less-than-truckload haulers), securities brokerages, television broadcasters, nonresidential property managers, and periodical publishers. By contrast, the indexes decreased in November for scheduled passenger air transportation, casino hotels, offices of lawyers, and wired telecommunications.

Producer Price Index data for December 2004 are scheduled to be released on Friday, January 14, 2005, at 8:30 a.m. (EST).

Technical Note

Brief Explanation of Producer Prices 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 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 producer durable goods such as heavy motor trucks, tractors, and machine tools.

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

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

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 (2-digit commodity codes) make up the All Commodities Index. Each major commodity grouping includes (in descending order of aggregation) subgroups (3-digit), product classes (4-digit), subproduct classes (6-digit), and individual items (8-digit). Nearly all 8-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-digits), products (9-digits), and more detailed subproducts (11-digits); and, for some industries, indexes for other sources of revenue.

Indexes may represent one of three kinds of product indexes. 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 comprise 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 are also chosen by probability proportionate to size. The 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 unit dollar 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*.

| <i>Title</i> | <i>Code</i> | <i>PPI Detailed Report Issue</i> |
|---|--------------|--------------------------------------|
| | <i>SIC</i> | |
| Wireless telecommunications | 4812 | July 1999 |
| Telephone communications, except radio telephone | 4813 | July 1995 |
| Television broadcasting | 4833 | July 2002 |
| Grocery stores | 5411 | July 2000 |
| Meat and fish (seafood) markets | 5421 | July 2000 |
| Fruit and vegetable markets | 5431 | July 2000 |
| Candy, nut, and confectionery stores | 5441 | July 2000 |
| Retail bakeries | 5461 | July 2000 |
| Miscellaneous food stores | 5499 | July 2000 |
| New car dealers | 5511 | July 2000 |
| Gasoline service stations | 5541 | January 2002 |
| Boat dealers | 5551 | January 2002 |
| Recreational vehicle dealers | 5561 | January 2002 |
| Miscellaneous retail | 59 | January 2001 |
| Security brokers, dealers, and investment bankers | 6211 | January 2001 |
| Investment advice | 6282 | January 2003 |
| Life insurance carriers | 6311 | January 1999 |
| Property and casualty insurance | 6331 | July 1998 |
| Insurance agencies and brokerages | 6412 | January 2003 |
| Operators and lessors of nonresidential buildings | 6512 | January 1996 |
| Real estate agents and managers | 6531 | January 1996 |
| Prepackaged software | 7372 | January 1998 |
| Data processing services | 7374 | January 2002 |
| Home health care services | 8082 | January 1997 |
| Legal services | 8111 | January 1997 |
| Engineering design, analysis, and consulting services | 8711 | January 1997 |
| Architectural design, analysis, and consulting services | 8712 | January 1997 |
| Premiums for property and casualty insurance | 9331 | July 1998 |
| | <i>NAICS</i> | |
| 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 |
| Direct Health and Medical Insurance Carriers | 524114 | July 2004 |

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 1997 values of shipments as reported in the *Census of Manufactures* and other sources. From January 1996 through December 2001, PPI weights were derived from 1992 shipment values. Industry indexes also are now calculated with 1997 net output weights. This periodic update of the value weights used to calculate the PPI is done to more accurately reflect changes in production and marketing patterns in the economy. Net output values of shipments are used as weights for industry indexes. Net output values refer to the value of shipments from establishments within the industry to buyers outside the industry. However, weights for commodity price indexes are based on gross shipment values, including shipment values between establishments within the same industry. As a result, broad commodity grouping indexes, such as the 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 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 (http://www.bls.gov/opub/hom/homch14_itc.htm), and reprints are available on request.

Calculating Index Changes

Each PPI measures price changes from a reference period which 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. (See *Escalation and Producer Price Indexes: A Guide for Contracting Parties*, BLS Report 807, September 1991, available on request from the BLS.)

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 re-evaluated 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 aggregative method. Generally, commodity indexes are seasonally adjusted using direct seasonal adjustment, which produces a more complete elimination of seasonal movements than 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 (6-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 these patterns keep 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 interventions were performed 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 Via 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, usage 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 accesses of PPI series over the Internet during the 12 months ended December 31, 2003.

Retrieving PPI data from the PPI Website

PPI data can be obtained from the WWW address (<http://www.bls.gov/ppi>). Scrolling down the page to the "Get Detailed Statistics" header reveals the following 5 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. It 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, nonJava-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 those users who are familiar with the format of PPI time series identifiers. Up to 300 indexes can be extracted at one time.

There are three basic formats for creating a unique PPI time series identifier. For commodity and stage-of-processing indexes, enter a "wpu" prefix (not seasonally adjusted) or a "wps" prefix (seasonally adjusted) in combination with a commodity-based code to create a series identifier.

Commodity code

wps063
wpu063803
wpusop3000

Will provide data for:

Drugs and pharmaceuticals, seasonally adjusted
Pharmaceutical preparations, cardiovascular system
Finished goods, not seasonally adjusted

For a current industry-based price index organized according to the North American Industry Classification System (NAICS), enter the prefix “pcu” followed by the industry-product code. The series identifier for products primary to an industry include 12 numeric digits, the six-digit industry code is repeated, and up to seven additional digits of product detail. Dashes are used as place holders for higher-level industry group codes.

**Industry-product code,
Current NAICS series**

pcu325---325---
pcu336110336110
pcu621111621111411

Will provide 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

To identify a discontinued industry-product code based on the Standard Industrial Classification (SIC), enter a “pdu” prefix and “#” between the fourth and fifth characters of the product code. A series identifier for the discontinued dataset uses underscores as placeholders to complete a reference to an SIC industry group code of less than four digits. (All PPI industry-based indexes organized by SIC were discontinued with the introduction of the NAICS.) *In all cases, no spaces are permitted.*

**Industry-product code,
Discontinued SIC series**

pdu28_#
pdu331_#
pdu3711#111

Will provide data for:

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

• **Flat Files** and the FTP server are best suited for those 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:

Directory:

- NAICS Current Series /pub/time.series/pc
- SIC Discontinued Series /pub/time.series/pd
- Commodity Series /pub/time.series/wp
- 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, go to the **overview.txt** file for an overview relating to all BLS data available through the FTP site. For commodity-based PPI data (which appear in tables 1, 2, 3, 6, 7, and 8 of the PPI monthly detailed report and tables 1, 2, 3, and 5 of the monthly news release), the program help file is **wp.txt**. For *current* industry-based PPI data based on the NAICS (which appear in tables 4, 5, and 9 of the monthly PPI report and table 4 of the monthly news release), the file is **pc.txt**. For industry-based SIC time series that have been *discontinued*, go to **pd.txt**. (These and other help files are also maintained within each of the five directories listed above.)

Other Sources of PPI Data

PPI data can also be accessed via the BLS homepage (<http://www.bls.gov>). After clicking the “Get Detailed Statistics” link at the top of the homepage a chart appears listing all of the available BLS programs. The following four methods are available for 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 (<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 directly at (202) 691-7705 or ppi-info@bls.gov. Data also can be obtained by calling the national fax-on-demand service at (202) 691-6325. This service enables customers to request faxes of BLS data 24 hours a day, 7 days a week.

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

| Grouping | Relative importance | Unadjusted index | | | Unadjusted percent change to Nov. 2004 from: | | Seasonally adjusted percent change from: | | | |
|---|---------------------|------------------|---------|---------|--|------|--|---------|----------|---------|
| | | Dec. | July | Oct. | Nov. | Nov. | Oct. | Aug. to | Sept. to | Oct. to |
| | | 2003 1/ | 2004 2/ | 2004 2/ | 2004 2/ | 2003 | 2004 | Sept. | Oct. | Nov. |
| Finished goods..... | 100.000 | 148.5 | 151.9 | 151.7 | 5.0 | -0.1 | 0.1 | 1.7 | 0.5 | |
| Finished consumer goods..... | 74.422 | 151.9 | 155.5 | 155.3 | 6.0 | -.1 | 0 | 2.1 | .6 | |
| Finished consumer foods..... | 21.487 | 152.3 | 154.7 | 154.5 | 2.9 | -.1 | .1 | 1.6 | .4 | |
| Crude..... | 1.731 | 117.5 | 161.5 | 158.4 | 15.1 | -1.9 | 9.2 | 14.1 | -6 | |
| Processed..... | 19.756 | 155.2 | 154.0 | 154.0 | 1.9 | 0 | -.6 | .7 | .5 | |
| Finished consumer goods, excluding foods.... | 52.934 | 151.4 | 155.5 | 155.2 | 7.2 | -.2 | 0 | 2.3 | .7 | |
| Nondurable goods less foods..... | 36.883 | 158.0 | 162.0 | 161.8 | 9.6 | -.1 | -.3 | 3.2 | .9 | |
| Durable goods..... | 16.051 | 133.6 | 137.7 | 137.5 | 1.9 | -.1 | .4 | .4 | .3 | |
| Capital equipment..... | 25.578 | 140.7 | 143.5 | 143.4 | 2.1 | -.1 | .4 | .4 | .2 | |
| Manufacturing industries..... | 7.016 | 142.5 | 143.7 | 143.8 | 2.6 | .1 | .2 | .3 | .1 | |
| Nonmanufacturing industries..... | 18.562 | 140.0 | 143.4 | 143.3 | 1.9 | -.1 | .4 | .5 | .1 | |
| Intermediate materials, supplies, and components. | 100.000 | 143.5 | 146.2 | 147.2 | 9.8 | .7 | .1 | .9 | .8 | |
| Materials and components for manufacturing..... | 46.892 | 138.1 | 141.2 | 141.8 | 8.5 | .4 | .8 | .4 | .4 | |
| Materials for food manufacturing..... | 2.948 | 147.3 | 144.2 | 144.0 | 1.7 | -.1 | -.8 | .1 | .4 | |
| Materials for nondurable manufacturing..... | 14.491 | 147.3 | 153.5 | 154.9 | 12.9 | .9 | 1.7 | .9 | 1.0 | |
| Materials for durable manufacturing..... | 9.515 | 147.2 | 152.8 | 153.3 | 17.5 | .3 | 1.5 | -.3 | .5 | |
| Components for manufacturing..... | 19.939 | 127.4 | 128.2 | 128.4 | 2.1 | .2 | -.1 | .2 | .1 | |
| Materials and components for construction..... | 12.827 | 167.5 | 170.7 | 170.6 | 9.6 | -.1 | .7 | -.1 | 0 | |
| Processed fuels and lubricants..... | 16.978 | 126.4 | 130.4 | 133.8 | 21.3 | 2.6 | -2.1 | 4.1 | 2.6 | |
| Manufacturing industries..... | 6.840 | 127.2 | 126.6 | 132.6 | 15.0 | 4.7 | -2.2 | 1.0 | 3.5 | |
| Nonmanufacturing industries..... | 10.138 | 126.0 | 132.9 | 134.7 | 25.8 | 1.4 | -2.0 | 6.1 | 2.0 | |
| Containers..... | 3.164 | 159.7 | 164.1 | 164.3 | 7.1 | .1 | .7 | 1.0 | .1 | |
| Supplies..... | 20.138 | 148.0 | 147.8 | 147.9 | 3.7 | .1 | .1 | .1 | .1 | |
| Manufacturing industries..... | 4.389 | 149.4 | 151.2 | 151.4 | 3.2 | .1 | .4 | .7 | .1 | |
| Nonmanufacturing industries..... | 15.750 | 146.4 | 145.7 | 145.9 | 3.9 | .1 | .1 | 0 | .1 | |
| Feeds..... | 1.238 | 130.0 | 103.0 | 101.6 | -14.6 | -1.4 | -3.8 | -7.0 | -1.5 | |
| Other supplies..... | 14.512 | 149.0 | 151.0 | 151.2 | 5.4 | .1 | .4 | .5 | .2 | |
| Crude materials for further processing..... | 100.000 | 162.5 | 159.7 | 171.9 | 25.5 | 7.6 | -4.2 | 4.3 | 8.7 | |
| Foodstuffs and feedstuffs..... | 39.856 | 130.9 | 119.9 | 119.3 | -5.1 | -.5 | -2.1 | -.8 | 1.8 | |
| Nonfood materials..... | 60.144 | 182.2 | 186.1 | 208.1 | 47.2 | 11.8 | -5.3 | 7.1 | 12.3 | |
| Nonfood materials except fuel 3/..... | 33.348 | 148.9 | 171.5 | 164.1 | 35.6 | -4.3 | -1.6 | 10.8 | -3.6 | |
| Manufacturing 3/..... | 32.735 | 137.3 | 158.5 | 151.6 | 36.1 | -4.4 | -1.6 | 10.9 | -3.6 | |
| Construction..... | 0.613 | 193.7 | 195.3 | 195.0 | 7.0 | -.2 | -.1 | .3 | .2 | |
| Crude fuel 4/..... | 26.796 | 219.9 | 190.6 | 261.5 | 62.2 | 37.2 | -10.2 | 1.9 | 37.2 | |
| Manufacturing industries..... | 2.406 | 208.4 | 181.4 | 246.8 | 60.4 | 36.1 | -9.8 | 1.7 | 36.1 | |
| Nonmanufacturing industries..... | 24.390 | 225.0 | 194.9 | 267.7 | 62.4 | 37.4 | -10.2 | 1.9 | 37.4 | |
| Special groupings | | | | | | | | | | |
| Finished goods, excluding foods..... | 5/ 78.513 | 147.2 | 150.9 | 150.7 | 5.5 | -.1 | .1 | 1.8 | .5 | |
| Intermediate materials less foods and feeds..... | 6/ 95.814 | 143.7 | 147.0 | 148.1 | 10.4 | .7 | .2 | 1.0 | .7 | |
| Intermediate foods and feeds..... | 6/ 4.186 | 142.3 | 131.2 | 130.6 | -3.1 | -.5 | -1.7 | -1.9 | 0 | |
| Crude materials less agricultural products 3/ 7/..... | 8/ 58.184 | 186.2 | 190.2 | 213.3 | 49.8 | 12.1 | -5.6 | 7.4 | 12.5 | |
| Finished energy goods..... | 5/ 15.868 | 115.4 | 120.9 | 120.3 | 19.8 | -.5 | -.9 | 6.8 | 1.8 | |
| Finished goods less energy..... | 5/ 84.132 | 151.7 | 154.4 | 154.3 | 2.2 | -.1 | .3 | .7 | .3 | |
| Finished consumer goods less energy..... | 5/ 58.554 | 156.5 | 159.1 | 159.1 | 2.3 | 0 | .3 | .8 | .3 | |
| Finished goods less foods and energy..... | 5/ 62.645 | 151.9 | 154.7 | 154.6 | 1.9 | -.1 | .3 | .3 | .2 | |
| Finished consumer goods less foods and energy.... | 5/ 37.066 | 159.4 | 162.2 | 162.2 | 1.9 | 0 | .4 | .2 | .2 | |
| Consumer nondurable goods less foods and energy.. | 5/ 21.015 | 180.3 | 181.6 | 182.0 | 2.0 | .2 | .3 | .2 | .2 | |
| Intermediate energy goods..... | 6/ 17.379 | 125.1 | 129.5 | 132.6 | 21.1 | 2.4 | -1.9 | 4.3 | 2.3 | |
| Intermediate materials less energy..... | 6/ 82.621 | 146.4 | 148.7 | 149.2 | 7.5 | .3 | .6 | .1 | .3 | |
| Intermediate materials less foods and energy..... | 6/ 78.435 | 146.8 | 149.9 | 150.4 | 8.0 | .3 | .7 | .3 | .4 | |
| Crude energy materials 3/..... | 8/ 39.753 | 177.9 | 179.5 | 210.1 | 58.6 | 17.0 | -6.6 | 7.9 | 17.0 | |
| Crude materials less energy..... | 8/ 60.248 | 147.5 | 142.0 | 142.3 | 5.0 | .2 | -2.3 | 1.6 | 2.0 | |
| Crude nonfood materials less energy 4/..... | 8/ 20.391 | 195.4 | 204.6 | 207.0 | 25.6 | 1.2 | -2.5 | 5.4 | 2.5 | |

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 July 2004 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.
3/ Includes crude petroleum.

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

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

| Commodity code | Grouping | Unadjusted index | | | Unadjusted percent change to Nov. 2004 from: | | Seasonally adjusted percent change from: | | |
|----------------|---|------------------|--------------|--------------|--|-----------|--|---------------|--------------|
| | | July 2004 1/ | Oct. 2004 1/ | Nov. 2004 1/ | Nov. 2003 | Oct. 2004 | Aug. to Sept. | Sept. to Oct. | Oct. to Nov. |
| | | | | | | | | | |
| | FINISHED GOODS..... | 148.5 | 151.9 | 151.7 | 5.0 | -0.1 | 0.1 | 1.7 | 0.5 |
| | FINISHED CONSUMER GOODS..... | 151.9 | 155.5 | 155.3 | 6.0 | -1.1 | 0 | 2.1 | .6 |
| | FINISHED CONSUMER FOODS..... | 152.3 | 154.7 | 154.5 | 2.9 | -1.1 | .1 | 1.6 | .4 |
| 01-11 | Fresh fruits and melons 2/..... | 96.2 | 129.3 | 107.3 | 14.8 | -17.0 | 23.1 | 11.3 | -17.0 |
| 01-13 | Fresh and dry vegetables 2/..... | 95.9 | 175.9 | 183.6 | 40.4 | 4.4 | 12.1 | 34.2 | 4.4 |
| 01-71-07 | Eggs for fresh use (Dec. 1991=100)..... | 82.8 | 73.7 | 80.1 | -42.5 | 8.7 | 2.7 | -11.1 | -4.8 |
| 02-11 | Bakery products 2/..... | 196.1 | 196.4 | 197.5 | 1.2 | .6 | .3 | -1 | .6 |
| 02-13 | Milled rice 2/..... | 147.1 | 124.6 | 123.6 | 3.5 | -8 | -11.1 | -3.9 | -8 |
| 02-14-02 | Pasta products (June 1985=100) 2/..... | 128.2 | 126.9 | 127.2 | .2 | .2 | 0 | .4 | .2 |
| 02-21-01 | Beef and veal 2/..... | 142.9 | 141.0 | 138.7 | -12.2 | -1.6 | -1.0 | 3.2 | -1.6 |
| 02-21-04 | Pork..... | 141.9 | 140.0 | 139.1 | 21.4 | -6 | -4 | 4.9 | 3.5 |
| 02-22-03 | Processed young chickens..... | 149.4 | 124.5 | 125.1 | -9 | .5 | -8.3 | -2.8 | 1.7 |
| 02-22-06 | Processed turkeys..... | 110.3 | 108.0 | 111.3 | 10.6 | 3.1 | -1.4 | -1.7 | -1.7 |
| 02-23 | Finfish and shellfish..... | 198.6 | 202.8 | 219.7 | 18.3 | 8.3 | -1.1 | -8 | 8.4 |
| 02-3 | Dairy products..... | 157.8 | 154.3 | 154.5 | 5.8 | .1 | -1.6 | .2 | 1.8 |
| 02-4 | Processed fruits and vegetables 2/..... | 134.4 | 136.8 | 137.3 | 2.4 | .4 | -1 | 1.6 | .4 |
| 02-55 | Confectionery end products 2/..... | 187.3 | 191.0 | 192.4 | 3.9 | .7 | 1.4 | .5 | .7 |
| 02-62 | Soft drinks 2/..... | 156.5 | 158.8 | 158.2 | 2.7 | -4 | -1.3 | 1.5 | -4 |
| 02-63-01 | Roasted coffee 2/..... | 129.6 | 129.8 | 129.9 | 1.7 | .1 | -1 | .4 | .1 |
| 02-78 | Shortening and cooking oils 2/..... | 195.4 | 185.4 | 184.0 | 6.5 | -8 | -3.3 | -5.1 | -8 |
| | FINISHED CONSUMER GOODS EXCLUDING FOODS..... | 151.4 | 155.5 | 155.2 | 7.2 | -2 | 0 | 2.3 | .7 |
| 02-61 | Alcoholic beverages..... | 150.9 | 153.1 | 153.2 | 3.0 | .1 | 0 | -.3 | 0 |
| 03-81-06 | Women's, girls', & infants' apparel(Dec 2003=100) 2/..... | 99.5 | 100.4 | 100.3 | (3) | -1 | .6 | -1 | -1 |
| 03-81-07 | Men's and boys' apparel (Dec. 2003=100) 2/..... | 99.4 | 100.1 | 100.1 | (3) | 0 | 0 | .6 | 0 |
| 03-82 | Textile housefurnishings 2/..... | 123.4 | 123.4 | 123.4 | .8 | 0 | 0 | .2 | 0 |
| 04-3 | Footwear 2/..... | 146.2 | 146.3 | 146.6 | .2 | .2 | 0 | 0 | .2 |
| 05-41 | Residential electric power (Dec. 1990=100)..... | 123.4 | 123.5 | 121.4 | 2.6 | -1.7 | -1 | 2.3 | 1.2 |
| 05-51 | Residential gas (Dec. 1990=100)..... | 184.9 | 183.7 | 198.7 | 16.5 | 8.2 | -2.3 | 1.0 | 6.2 |
| 05-71 | Gasoline..... | 136.1 | 149.2 | 140.3 | 47.4 | -6.0 | .7 | 17.3 | -7 |
| 05-73-02-01 | Home heating oil and distillates..... | 115.3 | 156.6 | 146.7 | 63.0 | -6.3 | -2.7 | 17.9 | -2.3 |
| 06-38 | Pharmaceutical preparations (June 2001=100) 2/..... | 112.3 | 113.0 | 113.3 | 4.2 | .3 | .1 | -1 | .3 |
| 06-71 | Soaps and synthetic detergents 2/..... | 132.5 | 134.0 | 134.0 | 1.1 | 0 | 1.1 | 1 | 0 |
| 06-75 | Cosmetics and other toilet preparations 2/..... | 140.1 | 140.5 | 140.5 | -1 | 0 | 0 | .1 | 0 |
| 07-12 | Tires, tubes, tread, etc 2/..... | 102.6 | 103.3 | 103.3 | 4.7 | 0 | -6 | .3 | 0 |
| 09-15-01 | Sanitary paper products 2/..... | 149.1 | 149.9 | 150.9 | .3 | .7 | .4 | .5 | .7 |
| 09-31-01 | Newspaper circulation 2/..... | 233.6 | 234.0 | 233.9 | .7 | 0 | .5 | 0 | 0 |
| 09-32-01 | Periodical circulation..... | 223.1 | 223.1 | 223.1 | 1.8 | 0 | .3 | .4 | .2 |
| 09-33 | Book publishing..... | 252.7 | 253.3 | 256.8 | 4.7 | 1.4 | .5 | -2 | 1.3 |
| 12-1 | Household furniture..... | 160.5 | 161.7 | 163.5 | 3.4 | 1.1 | .1 | .3 | 1.1 |
| 12-3 | Floor coverings 2/..... | 137.3 | 139.4 | 143.3 | 3.7 | 2.8 | -6 | .8 | 2.8 |
| 12-4 | Household appliances 2/..... | 101.2 | 101.5 | 101.7 | -1 | .2 | .1 | .2 | .2 |
| 12-5 | Home electronic equipment 2/..... | 64.4 | 63.2 | 63.2 | -6.0 | 0 | -8 | 0 | 0 |
| 12-62 | Household glassware..... | 171.8 | 172.1 | 172.1 | 1.8 | 0 | 1.7 | .2 | 0 |
| 12-64 | Household flatware 2/..... | 145.4 | 145.4 | 145.4 | .1 | 0 | 0 | 0 | 0 |
| 12-66 | Lawn and garden equip., ex. tractors 2/..... | 134.5 | 134.7 | 135.4 | 1.0 | .5 | .1 | -2 | .5 |
| 14-11-01 | Passenger cars..... | 128.6 | 135.1 | 134.5 | 2.0 | -4 | 1.1 | -1.3 | .6 |
| 15-11 | Toys, games, and children's vehicles 2/..... | 124.5 | 125.9 | 125.9 | 1.1 | 0 | 0 | -2 | 0 |
| 15-12 | Sporting and athletic goods 2/..... | 123.2 | 125.0 | 124.8 | 2.2 | -2 | 1.3 | .1 | -2 |
| 15-2 | Tobacco products 2/..... | 433.5 | 433.4 | 434.9 | .4 | .3 | 0 | 0 | .3 |
| 15-5 | Mobile homes..... | 187.5 | 194.2 | 195.4 | 12.6 | .6 | 2.6 | .4 | .5 |
| 15-94-02 | Jewelry, platinum, & karat gold 2/..... | 134.6 | 136.1 | 136.7 | 2.4 | .4 | .1 | .5 | .4 |
| 15-94-04 | Costume jewelry and novelties 2/..... | 147.8 | 147.8 | 147.8 | 1.7 | 0 | 0 | 0 | 0 |
| | CAPITAL EQUIPMENT..... | 140.7 | 143.5 | 143.4 | 2.1 | -1 | .4 | .4 | .2 |
| 11-1 | Agricultural machinery and equipment 2/..... | 165.9 | 168.9 | 168.7 | 4.1 | -1 | .2 | 1.5 | -1 |
| 11-2 | Construction machinery and equipment 2/..... | 158.6 | 163.7 | 162.8 | 6.1 | -5 | .2 | 2.7 | -5 |
| 11-37 | Metal cutting machine tools 2/..... | 151.3 | 151.4 | 152.1 | 1.1 | .5 | .1 | -4 | .5 |
| 11-38 | Metal forming machine tools 2/..... | 172.7 | 172.7 | 172.7 | 2.9 | 0 | -1 | .2 | 0 |
| 11-39 | Tools, dies, jigs, fixtures, and ind. molds 2/..... | 139.3 | 139.5 | 139.2 | -1 | -2 | .1 | .1 | -2 |
| 11-41 | Pumps, compressors, and equipment..... | 167.9 | 169.3 | 170.7 | 4.5 | .8 | .5 | .4 | .9 |
| 11-44 | Industrial material handling equipment 2/..... | 144.2 | 145.9 | 146.0 | 5.6 | .1 | .3 | .6 | .1 |
| 11-51 | Electronic computers (Dec. 1998=100) 2/..... | 30.1 | 28.9 | 28.0 | -13.6 | -3.1 | -2.0 | -3 | -3.1 |
| 11-62 | Textile machinery 2/..... | 157.9 | 159.2 | 159.1 | .9 | -1 | 1.4 | -6 | -1 |
| 11-64 | Paper industries machinery (June 1982=100) 2/..... | 174.0 | 174.9 | 174.8 | 2.6 | -1 | 0 | .4 | -1 |
| 11-65 | Printing trades machinery 2/..... | 143.5 | 143.8 | 143.8 | .1 | 0 | .1 | -1 | 0 |
| 11-74 | Transformers and power regulators 2/..... | 135.4 | 139.9 | 141.0 | 6.7 | .8 | .4 | 2.3 | .8 |
| 11-76 | Communication & related equip. (Dec. 1985=100) 2/..... | 103.0 | 103.7 | 103.7 | -1.4 | 0 | .7 | 1 | 0 |
| 11-79-05 | X-ray and electromedical equipment 2/..... | 96.6 | 96.9 | 96.7 | -2.9 | -2 | .3 | .1 | -2 |
| 11-91 | Oil field and gas field machinery..... | 143.7 | 143.7 | 144.9 | 3.1 | .8 | .3 | 0 | 1.0 |
| 11-92 | Mining machinery and equipment 2/..... | 164.0 | 166.5 | 166.9 | 7.4 | .2 | .1 | 1.3 | .2 |
| 11-93 | Office and store machines and equipment 2/..... | 113.1 | 115.0 | 115.1 | 2.3 | .1 | .1 | 1.1 | .1 |
| 12-2 | Commercial furniture 2/..... | 165.3 | 167.1 | 168.1 | 3.4 | .6 | -1 | .2 | .6 |
| 14-11-05 | Light motor trucks..... | 146.7 | 159.3 | 156.1 | -6 | -2.0 | .2 | 2.7 | -5 |
| 14-11-06 | Heavy motor trucks 2/..... | 155.2 | 156.2 | 155.6 | 2.3 | -4 | .6 | -7 | -4 |
| 14-14 | Truck trailers 2/..... | 149.3 | 151.0 | 154.0 | 10.2 | 2.0 | .7 | .7 | 2.0 |
| 14-21-02 | Civilian aircraft (Dec. 1985=100)..... | 191.3 | 195.8 | 197.0 | 6.8 | .6 | 0 | .9 | .6 |
| 14-31 | Ships (Dec. 1985=100) 2/..... | 171.5 | 175.6 | 172.5 | 5.9 | -1.8 | 2.5 | .1 | -1.8 |
| 14-4 | Railroad equipment 2/..... | 143.2 | 145.6 | 145.1 | 5.4 | -3 | -1 | .3 | -3 |
| | INTERMEDIATE MATERIALS, SUPPLIES, AND COMPONENTS..... | 143.5 | 146.2 | 147.2 | 9.8 | .7 | .1 | .9 | .8 |
| | INTERMEDIATE FOODS AND FEEDS..... | 142.3 | 131.2 | 130.6 | -3.1 | -5 | -1.7 | -1.9 | 0 |
| 02-12-03 | Flour 2/..... | 128.2 | 129.8 | 134.1 | 8.1 | 3.3 | 5.6 | -1.7 | 3.3 |
| 02-53 | Refined sugar and byproducts 2/..... | 121.3 | 121.8 | 121.3 | .6 | -4 | -2 | .4 | -4 |
| 02-54 | Confectionery materials 2/..... | 126.1 | 124.4 | 125.8 | 2.2 | 1.1 | -1.1 | -2 | 1.1 |
| 02-72 | Crude vegetable oils 2/..... | (3) | (3) | (3) | (3) | (3) | (3) | (3) | (3) |
| 02-9 | Prepared animal feeds 2/..... | 134.3 | 111.5 | 110.4 | -10.5 | -1.0 | -3.0 | -5.7 | -1.0 |
| | INTERMEDIATE MATERIALS LESS FOODS AND FEEDS..... | 143.7 | 147.0 | 148.1 | 10.4 | .7 | .2 | 1.0 | .7 |
| 03-1 | Synthetic fibers 2/..... | 107.0 | 107.5 | 107.5 | 1.5 | 0 | .5 | .4 | 0 |
| 03-2 | Processed yarns and threads 2/..... | 109.7 | 110.0 | 109.7 | 4.9 | -3 | .2 | .5 | -3 |
| 03-3 | Gray fabrics 2/..... | 113.3 | 113.8 | 112.8 | 1.0 | -9 | -1.1 | .3 | -9 |
| 03-4 | Finished fabrics 2/..... | 121.0 | 121.1 | 122.9 | 1.7 | 1.5 | -2 | .2 | 1.5 |
| 03-83-03 | Industrial textile products 2/..... | 132.0 | 132.3 | 132.5 | 1.8 | .2 | 0 | .2 | .2 |
| 04-2 | Leather 2/..... | 221.3 | 219.7 | 220.3 | .4 | .3 | -5 | .1 | .3 |
| 05-32 | Liquefied petroleum gas 2/..... | 191.8 | 230.4 | 240.1 | 61.5 | 4.2 | -7.4 | 14.7 | 4.2 |

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)

| Commodity code | Grouping | Unadjusted index | | | Unadjusted percent change to Nov. 2004 from: | | Seasonally adjusted percent change from: | | |
|----------------|--|---|--------------|--------------|--|-----------|--|---------------|--------------|
| | | July 2004 1/ | Oct. 2004 1/ | Nov. 2004 1/ | Nov. 2003 | Oct. 2004 | Aug. to Sept. | Sept. to Oct. | Oct. to Nov. |
| | | INTERMEDIATE MATERIALS LESS FOODS AND FEEDS | | | | | | | |
| | -Continued..... | | | | | | | | |
| 05-42 | Commercial electric power..... | 147.4 | 141.4 | 142.0 | 2.8 | 0.4 | 0.6 | -0.8 | 2.9 |
| 05-43 | Industrial electric power..... | 152.2 | 146.2 | 146.5 | 2.7 | .2 | -1 | -2.4 | 3.5 |
| 05-52 | Commercial natural gas (Dec. 1990=100)..... | 197.9 | 195.5 | 212.1 | 19.0 | 8.5 | -2.1 | 1.8 | 3.6 |
| 05-53 | Industrial natural gas (Dec. 1990=100)..... | 203.6 | 195.4 | 220.6 | 19.6 | 12.9 | -4.9 | -6 | 5.0 |
| 05-54 | Natural gas to electric utilities (Dec. 1990=100)..... | 172.0 | 164.4 | 182.3 | 23.8 | 10.9 | -1.9 | -4.0 | 1.9 |
| 05-72-03 | Jet fuels..... | 111.7 | 138.3 | 143.7 | 85.9 | 3.9 | -12.5 | 17.2 | 4.4 |
| 05-73-03 | No. 2 Diesel fuel..... | 123.0 | 166.6 | 159.7 | 66.5 | -4.1 | -3.4 | 21.4 | -1.8 |
| 05-74 | Residual fuels 2/..... | 89.2 | 101.3 | 108.8 | 5.3 | 7.4 | .9 | .7 | 7.4 |
| 06-1 | Industrial chemicals 2/..... | 161.4 | 174.6 | 177.9 | 26.8 | 1.9 | 3.0 | .9 | 1.9 |
| 06-21 | Prepared paint..... | 175.8 | 178.0 | 179.4 | 4.0 | .8 | .2 | 1.5 | .6 |
| 06-22 | Paint materials 2/..... | 179.3 | 183.5 | 185.4 | 7.3 | 1.0 | -.3 | 1.6 | 1.0 |
| 06-31 | Medicinal and botanical chemicals 2/..... | 134.2 | 134.0 | 134.1 | -1.8 | .1 | -.2 | -.2 | .1 |
| 06-4 | Fats and oils, inedible..... | 156.7 | 130.5 | 125.3 | -16.2 | -4.0 | -2.8 | -9.9 | -6.3 |
| 06-51 | Mixed fertilizers..... | 126.3 | 131.7 | 132.5 | 9.7 | .6 | 1.1 | 2.6 | .8 |
| 06-52-01 | Nitrogenates..... | 165.7 | 176.0 | 180.8 | 19.7 | 2.7 | 1.1 | 3.5 | 2.1 |
| 06-52-02 | Phosphates 2/..... | 116.7 | 121.8 | 125.6 | 13.7 | 3.1 | 1.9 | 1.0 | 3.1 |
| 06-53 | Other agricultural chemicals 2/..... | 150.8 | 149.1 | 148.9 | -.7 | -.1 | -.9 | .7 | -.1 |
| 06-6 | Plastic resins and materials 2/..... | 161.1 | 171.1 | 178.2 | 22.2 | 4.1 | 3.9 | 1.9 | 4.1 |
| 07-11-02 | Synthetic rubber 2/..... | 131.8 | 136.5 | 138.8 | 10.4 | 1.7 | 1.6 | .4 | 1.7 |
| 07-21 | Plastic construction products..... | 145.8 | 148.8 | 149.3 | 7.7 | .3 | 2.3 | .5 | .6 |
| 07-22 | Unsupported plastic film, sheet, & other shapes 2/..... | 147.7 | 155.3 | 152.8 | 6.6 | -1.6 | 1.6 | 2.4 | -1.6 |
| 07-26 | Plastic parts and components for manufacturing 2/..... | 116.3 | 116.2 | 117.3 | .4 | .9 | .5 | -.6 | .9 |
| 08-11 | Softwood lumber 2/..... | 216.8 | 211.2 | 194.3 | 9.2 | -8.0 | -.1 | -9.4 | -8.0 |
| 08-12 | Hardwood lumber 2/..... | 200.3 | 201.0 | 200.7 | 4.1 | -.1 | .1 | -.4 | -.1 |
| 08-2 | Millwork..... | 194.2 | 195.4 | 195.6 | 6.7 | .1 | .3 | -.1 | .3 |
| 08-3 | Plywood 2/..... | 178.6 | 189.2 | 174.1 | -15.6 | -8.0 | 2.6 | -9.2 | -8.0 |
| 09-11 | Woodpulp 2/..... | 136.2 | 139.4 | 135.4 | 8.5 | -2.9 | .4 | 1.1 | -2.9 |
| 09-13 | Paper 2/..... | 149.4 | 152.5 | 153.5 | 5.2 | .7 | 1.2 | .6 | .7 |
| 09-14 | Paperboard 2/..... | 175.2 | 179.7 | 180.0 | 12.8 | .2 | .1 | -.3 | .2 |
| 09-15-03 | Paper boxes and containers 2/..... | 178.2 | 184.4 | 184.3 | 7.2 | -.1 | .7 | 1.5 | -.1 |
| 09-2 | Building paper and board 2/..... | 178.5 | 178.0 | 163.2 | -17.2 | -8.3 | 5.2 | -12.8 | -8.3 |
| 09-37 | Commercial printing (June 1982=100) 2/..... | 159.5 | 160.3 | 160.5 | 1.2 | .1 | .5 | -.1 | .1 |
| 10-15 | Foundry and forge shop products..... | 143.5 | 148.0 | 149.8 | 8.5 | 1.2 | 1.0 | 1.2 | 1.2 |
| 10-17 | Steel mill products..... | 151.1 | 163.0 | 165.2 | 49.2 | 1.3 | .9 | 1.7 | 1.6 |
| 10-22 | Primary nonferrous metals 2/..... | 133.7 | 142.9 | 141.7 | 27.0 | -.8 | -.7 | 7.6 | -.8 |
| 10-25-01 | Aluminum mill shapes 2/..... | 150.1 | 153.7 | 154.0 | 7.8 | .2 | 6.4 | -6.6 | 2.2 |
| 10-25-02 | Copper and brass mill shapes 2/..... | 201.1 | 210.2 | 206.9 | 28.3 | -1.6 | -.2 | 4.1 | -1.6 |
| 10-26 | Nonferrous wire and cable 2/..... | 151.6 | 154.8 | 156.3 | 13.8 | 1.0 | -.8 | 2.7 | 1.0 |
| 10-3 | Metal containers 2/..... | 116.8 | 117.9 | 118.3 | 7.6 | .3 | .9 | .2 | .3 |
| 10-4 | Hardware 2/..... | 161.8 | 163.3 | 163.4 | 3.9 | .1 | .4 | .5 | .1 |
| 10-5 | Plumbing fixtures and brass fittings..... | 190.0 | 190.3 | 191.7 | 4.5 | .7 | 1.0 | .1 | .9 |
| 10-6 | Heating equipment 2/..... | 169.8 | 172.8 | 172.7 | 5.4 | -.1 | .6 | .7 | -.1 |
| 10-7 | Fabricated structural metal products 2/..... | 166.1 | 170.7 | 171.7 | 17.8 | .6 | .2 | .5 | .6 |
| 10-88 | Fabricated ferrous wire products (June 1982=100) 2/..... | 154.3 | 155.6 | 155.2 | 17.3 | -.3 | .3 | -1.3 | -.3 |
| 10-89 | Other misc. metal products 2/..... | 132.7 | 134.7 | 134.7 | 5.7 | 0 | 1.0 | .2 | 0 |
| 11-45 | Mechanical power transmission equipment..... | 181.3 | 181.6 | 182.1 | 5.4 | .3 | .4 | 0 | .2 |
| 11-48 | Air conditioning and refrigeration equipment 2/..... | 139.8 | 140.5 | 141.3 | 3.0 | .6 | .4 | -.1 | .6 |
| 11-49-02 | Metal valves, ex.fluid power (Dec. 1982=100)..... | 178.3 | 179.1 | 179.4 | 5.5 | .2 | .2 | -.1 | .2 |
| 11-49-05 | Ball and roller bearings 2/..... | 178.0 | 178.4 | 178.9 | 4.6 | .3 | -.2 | 0 | .3 |
| 11-71 | Wiring devices 2/..... | 173.4 | 175.3 | 171.9 | 12.5 | -1.9 | 1.2 | -.1 | -1.9 |
| 11-73 | Motors, generators, motor generator sets..... | 150.4 | 150.5 | 151.7 | 3.0 | .8 | -.1 | -.1 | .8 |
| 11-75 | Switchgear, switchboard, etc., equipment..... | 165.1 | 165.3 | 164.5 | 2.5 | -.5 | .8 | -.5 | -.7 |
| 11-78 | Electronic components and accessories 2/..... | 88.4 | 88.7 | 88.5 | -2.0 | -.2 | -1.2 | -.2 | -.2 |
| 11-94 | Internal combustion engines 2/..... | 146.3 | 145.7 | 146.0 | .6 | .2 | .1 | -.1 | .2 |
| 11-95 | Machine shop products 2/..... | 144.7 | 146.1 | 146.8 | 4.0 | .5 | .1 | .2 | .5 |
| 13-11 | Flat glass 2/..... | 107.9 | 108.0 | 108.2 | -2.0 | .2 | -.3 | -.3 | .2 |
| 13-22 | Cement..... | 155.6 | 161.2 | 161.5 | 7.0 | .2 | 1.1 | .1 | .5 |
| 13-3 | Concrete products..... | 160.2 | 165.0 | 166.0 | 7.3 | .6 | 1.7 | .4 | .7 |
| 13-6 | Asphalt felts and coatings..... | 117.8 | 118.7 | 122.2 | 4.0 | 2.9 | 2.2 | -.5 | 3.3 |
| 13-7 | Gypsum products 2/..... | 205.1 | 212.5 | 211.7 | 20.8 | -.4 | 2.2 | -.7 | -.4 |
| 13-8 | Glass containers 2/..... | 144.7 | 145.2 | 145.2 | 3.1 | 0 | .6 | 0 | 0 |
| 14-12 | Motor vehicle parts 2/..... | 112.2 | 112.2 | 112.3 | .6 | .1 | -.3 | .1 | .1 |
| 14-23 | Aircraft engines & engine parts (Dec. 1985=100)..... | 163.5 | 163.7 | 163.7 | 6.4 | 0 | .1 | .2 | -.1 |
| 14-25 | Aircraft parts & aux.equip., nec (June 1985=100) 2/..... | 151.9 | 152.1 | 152.0 | 1.1 | -.1 | .3 | .9 | -.1 |
| 15-42 | Photographic supplies 2/..... | 114.1 | 114.8 | 114.8 | -1.4 | 0 | -.4 | 0 | 0 |
| 15-6 | Medical/surgical/personal aid devices 2/..... | 157.8 | 158.0 | 158.3 | 1.6 | .2 | .4 | .1 | .2 |
| | CRUDE MATERIALS FOR FURTHER PROCESSING..... | 162.5 | 159.7 | 171.9 | 25.5 | 7.6 | -4.2 | 4.3 | 8.7 |
| | CRUDE FOODSTUFFS AND FEEDSTUFFS..... | 130.9 | 119.9 | 119.3 | -5.1 | -.5 | -2.1 | -.8 | 1.8 |
| 01-21 | Wheat 2/..... | 103.9 | 101.7 | 108.8 | 1.1 | 7.0 | 9.1 | -2.2 | 7.0 |
| 01-22-02 | Corn 2/..... | 97.6 | 71.8 | 69.6 | -24.4 | -3.1 | -5.7 | -16.5 | -3.1 |
| 01-31 | Slaughter cattle 2/..... | 127.1 | 126.4 | 122.8 | -16.3 | -2.8 | -.2 | -1.2 | -2.8 |
| 01-32 | Slaughter hogs..... | 97.9 | 89.0 | 91.2 | 45.9 | 2.5 | -2.6 | 3.5 | 16.4 |
| 01-41-02 | Slaughter broilers/fryers..... | 211.1 | 168.7 | 167.9 | 9.3 | -.5 | -13.7 | 2.6 | -.3 |
| 01-42 | Slaughter turkeys..... | 126.1 | 138.2 | 141.7 | 19.6 | 2.5 | .5 | -2.9 | -1.6 |
| 01-6 | Fluid milk..... | 119.5 | 115.9 | 118.3 | 8.9 | 2.1 | -2.8 | .8 | 5.8 |
| 01-83-01-31 | Soybeans 2/..... | 153.7 | 84.2 | 85.7 | -34.7 | 1.8 | -3.1 | -12.3 | 1.8 |
| 02-52-01-03 | Cane sugar, raw (Dec. 2003=100) 2/..... | 99.5 | 98.5 | 99.0 | (3) | .5 | 2.9 | -2.2 | .5 |
| | CRUDE NONFOOD MATERIALS..... | 182.2 | 186.1 | 208.1 | 47.2 | 11.8 | -5.3 | 7.1 | 12.3 |
| 01-51 | Raw cotton 2/..... | 74.3 | 70.6 | 70.7 | -40.4 | .1 | 11.7 | -12.3 | .1 |
| 01-92 | Leaf tobacco 2/..... | 99.9 | 112.0 | 116.4 | -.3 | 3.9 | 9.6 | 1.4 | 3.9 |
| 04-1 | Hides and skins (June 2001=100) 2/..... | 190.4 | 194.4 | 192.0 | 3.1 | -1.2 | 1.0 | -.2 | -1.2 |
| 05-1 | Coal 2/..... | 109.3 | 109.9 | 109.9 | 8.9 | 0 | 2.9 | -1.9 | 0 |
| 05-31 | Natural gas 2/..... | 257.5 | 217.9 | 313.2 | 72.8 | 43.7 | -12.4 | 2.7 | 43.7 |
| 05-61 | Crude petroleum 2/..... | 105.5 | 139.1 | 123.7 | 53.9 | -11.1 | -.3 | 18.4 | -11.1 |
| 08-5 | Logs, timber, etc..... | 195.5 | 195.0 | 195.6 | 5.3 | .3 | -.2 | 0 | .3 |
| 09-12 | Wastepaper 2/..... | 237.6 | 240.1 | 238.2 | 16.3 | -.8 | -.2 | 1.5 | -.8 |
| 10-11 | Iron ore 2/..... | 98.3 | 98.3 | 98.3 | 1.9 | 0 | -.1 | 0 | 0 |
| 10-12 | Iron and steel scrap..... | 333.2 | 374.0 | 386.2 | 84.0 | 3.3 | -8.7 | 15.4 | 8.0 |
| 10-21 | Nonferrous metal ores (Dec. 1983=100) 2/..... | 115.5 | 121.6 | 123.4 | 40.7 | 1.5 | -1.8 | 4.1 | 1.5 |
| 10-23-01 | Copper base scrap 2/..... | 181.0 | 199.0 | 199.5 | 36.8 | .3 | -1.2 | 8.3 | .3 |
| 10-23-02 | Aluminum base scrap..... | 189.4 | 195.0 | 196.5 | 12.9 | .8 | -.3 | 3.1 | .5 |
| 13-21 | Construction sand, gravel, and crushed stone..... | 184.3 | 185.0 | 185.3 | 3.9 | .2 | .2 | .7 | .4 |

1/ The indexes for July 2004 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.

2/ Not seasonally adjusted.
3/ Not available.

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

| Commodity code | Grouping | Unadjusted index 1/ | | |
|----------------|---|---------------------|-----------|-----------|
| | | July 2004 | Oct. 2004 | Nov. 2004 |
| | Finished Goods (1967=100)..... | 416.7 | 426.2 | 425.6 |
| | All commodities..... | 147.4 | 149.8 | 151.3 |
| | MAJOR COMMODITY GROUPS | | | |
| | Farm products and processed foods and feeds.... | 143.8 | 139.6 | 139.3 |
| 01 | Farm products..... | 124.4 | 119.0 | 117.7 |
| 02 | Processed foods and feeds..... | 153.3 | 149.9 | 150.0 |
| | Industrial commodities..... | 148.2 | 151.6 | 153.5 |
| 03 | Textile products and apparel..... | 121.1 | 121.5 | 121.6 |
| 04 | Hides, skins, leather, and related products.. | 165.0 | 165.2 | 165.1 |
| 05 | Fuels and related products and power..... | 129.4 | 134.0 | 140.0 |
| 06 | Chemicals and allied products 2/..... | 173.7 | 179.9 | 182.3 |
| 07 | Rubber and plastic products..... | 133.4 | 136.4 | 136.8 |
| 08 | Lumber and wood products..... | 196.5 | 196.7 | 191.9 |
| 09 | Pulp, paper, and allied products..... | 196.2 | 198.1 | 198.5 |
| 10 | Metals and metal products..... | 151.3 | 157.0 | 158.3 |
| 11 | Machinery and equipment..... | 122.1 | 122.8 | 122.7 |
| 12 | Furniture and household durables..... | 134.9 | 135.8 | 136.9 |
| 13 | Nonmetallic mineral products..... | 153.4 | 155.7 | 156.3 |
| 14 | Transportation equipment..... | 147.2 | 151.7 | 151.1 |
| 15 | Miscellaneous products..... | 182.8 | 185.1 | 186.0 |
| | Industrial commodities less fuels and related products and power..... | 151.5 | 154.5 | 154.9 |
| | OTHER COMMODITY GROUPINGS | | | |
| 01-1 | Fruits and melons, fresh and dry vegetables, and tree nuts..... | 103.8 | 157.3 | 148.7 |
| 01-2 | Grains..... | 99.1 | 80.5 | 81.1 |
| 01-3 | Slaughter livestock..... | 120.1 | 117.0 | 115.2 |
| 01-4 | Slaughter poultry..... | 191.2 | 160.2 | 160.2 |
| 01-5 | Plant and animal fibers..... | 75.4 | 71.7 | 71.7 |
| 01-7 | Chicken eggs..... | 100.9 | 85.9 | 88.6 |
| 01-8 | Hay, hayseeds, and oilseeds..... | 172.2 | 110.8 | 111.0 |
| 01-83 | Oilseeds..... | 163.9 | 95.3 | 96.7 |
| 01-9 | Other farm products..... | 149.0 | 167.0 | 173.6 |
| 02-1 | Cereal and bakery products..... | 174.5 | 174.6 | 175.2 |
| 02-2 | Meats, poultry, and fish..... | 143.8 | 139.2 | 139.4 |
| 02-22 | Processed poultry..... | 136.7 | 123.0 | 123.9 |
| 02-5 | Sugar and confectionery..... | 150.3 | 151.8 | 152.7 |
| 02-6 | Beverages and beverage materials..... | 152.8 | 154.7 | 154.5 |
| 02-63 | Packaged beverage materials..... | 131.1 | 131.4 | 131.4 |
| 02-7 | Fats and oils..... | 185.9 | 180.0 | 179.1 |
| 03-81 | Apparel..... | 125.0 | 125.7 | 125.7 |
| 04-4 | Other leather and related products..... | 149.7 | 150.1 | 150.1 |
| 05-3 | Gas fuels..... | 239.0 | 213.8 | 291.9 |
| 05-4 | Electric power..... | 147.0 | 143.5 | 142.8 |
| 05-7 | Refined petroleum products..... | 122.2 | 142.8 | 136.8 |
| 06-3 | Drugs and pharmaceuticals..... | 284.7 | 286.4 | 286.8 |
| 06-5 | Agricultural chemicals and products..... | 142.4 | 145.7 | 147.8 |
| 06-7 | Other chemicals and allied products..... | 143.9 | 144.6 | 145.1 |
| 07-1 | Rubber and rubber products..... | 122.9 | 124.2 | 124.5 |
| 07-11 | Rubber, except natural rubber..... | 131.1 | 135.8 | 138.0 |
| 07-13 | Miscellaneous rubber products..... | 142.5 | 143.3 | 143.3 |
| 07-2 | Plastic products..... | 141.6 | 145.5 | 145.8 |
| 08-1 | Lumber..... | 208.6 | 205.1 | 193.7 |
| 09-1 | Pulp, paper, and products, excluding building paper and board..... | 163.3 | 166.9 | 167.2 |
| 09-15 | Converted paper and paperboard products..... | 168.6 | 172.6 | 173.1 |
| 10-1 | Iron and steel..... | 166.0 | 178.9 | 182.0 |
| 10-2 | Nonferrous metals..... | 145.2 | 150.0 | 150.9 |
| 10-25 | Nonferrous mill shapes..... | 150.7 | 154.6 | 156.4 |
| 11-3 | Metalworking machinery and equipment..... | 152.7 | 153.7 | 153.7 |
| 11-4 | General purpose machinery and equipment..... | 160.9 | 162.0 | 162.6 |
| 11-6 | Special industry machinery..... | 170.3 | 171.2 | 171.4 |
| 11-7 | Electrical machinery and equipment..... | 113.2 | 113.8 | 113.6 |
| 11-9 | Miscellaneous machinery and equipment..... | 140.7 | 141.6 | 142.0 |
| 12-6 | Other household durable goods..... | 160.3 | 160.9 | 161.2 |
| 13-2 | Concrete ingredients..... | 170.6 | 173.1 | 173.4 |
| 14-1 | Motor vehicles and equipment..... | 129.1 | 134.1 | 133.3 |
| 15-1 | Toys, sporting goods, small arms, etc..... | 132.3 | 133.9 | 133.9 |
| 15-4 | Photographic equipment and supplies..... | 102.2 | 102.6 | 102.6 |
| 15-9 | Other miscellaneous products..... | 142.9 | 143.9 | 144.0 |

1/ Data for July 2004 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 code | Industry 1/ | Index base | Index | | | Percent change to Nov. 2004 from: | |
|---------------|--|------------|---------|---------|---------|-----------------------------------|------|
| | | | July | Oct. | Nov. | Nov. | Oct. |
| | | | 2004 2/ | 2004 2/ | 2004 2/ | 2003 | 2004 |
| | Total mining industries..... | 12/84 | 155.6 | 158.9 | 180.5 | 48.6 | 13.6 |
| 211 | Oil and gas extraction..... | 12/85 | 196.6 | 199.9 | 237.5 | 65.3 | 18.8 |
| 212 | Mining (except oil & gas)..... | 12/03 | 110.2 | 112.3 | 112.7 | (3) | .4 |
| 213 | Mining support activities..... | 12/03 | 103.7 | 110.1 | 112.7 | (3) | 2.4 |
| | Total manufacturing industries..... | 12/84 | 143.2 | 146.5 | 146.0 | 6.0 | -.3 |
| 311 | Food mfg..... | 12/84 | 146.5 | 142.9 | 142.9 | 1.0 | 0 |
| 312 | Beverage & tobacco mfg..... | 12/03 | 100.6 | 101.6 | 101.6 | (3) | 0 |
| 313 | Textile mills..... | 12/03 | 101.5 | 101.7 | 102.0 | (3) | .3 |
| 314 | Textile product mills..... | 12/03 | 101.7 | 102.5 | 103.6 | (3) | 1.1 |
| 315 | Apparel manufacturing..... | 12/03 | 99.7 | 100.1 | 100.1 | (3) | 0 |
| 316 | Leather & allied product mfg..... | 12/84 | 143.7 | 143.7 | 143.9 | .3 | .1 |
| 321 | Wood products manufacturing..... | 12/03 | 106.8 | 107.4 | 105.0 | (3) | -2.2 |
| 322 | Paper manufacturing..... | 12/03 | 103.2 | 105.7 | 105.7 | (3) | 0 |
| 323 | Printing and related support activities..... | 12/03 | 101.3 | 101.9 | 102.1 | (3) | .2 |
| 324 | Petroleum and coal products mfg..... | 12/84 | 152.3 | 176.7 | 170.6 | 47.7 | -3.5 |
| 325 | Chemical mfg..... | 12/84 | 172.2 | 177.1 | 178.3 | 8.1 | .7 |
| 326 | Plastics and rubber products mfg..... | 12/84 | 131.2 | 134.3 | 134.7 | 4.8 | .3 |
| 327 | Nonmetallic mineral product mfg..... | 12/84 | 143.0 | 145.2 | 145.4 | 4.8 | .1 |
| 331 | Primary metal mfg..... | 12/84 | 144.7 | 152.0 | 154.1 | 28.4 | 1.4 |
| 332 | Fabricated metal product mfg..... | 12/84 | 142.5 | 144.7 | 145.2 | 8.9 | .3 |
| 333 | Machinery mfg..... | 12/03 | 102.1 | 103.1 | 103.2 | (3) | .1 |
| 334 | Computer & electronic product mfg..... | 12/03 | 98.9 | 98.9 | 98.6 | (3) | -.3 |
| 335 | Electrical equip, appliance & component mfg..... | 12/03 | 103.6 | 104.4 | 104.4 | (3) | 0 |
| 336 | Transportation equipment mfg..... | 12/03 | 99.7 | 103.2 | 102.7 | (3) | -.5 |
| 337 | Furniture & related product mfg..... | 12/84 | 152.0 | 153.5 | 154.6 | 4.8 | .7 |
| 339 | Miscellaneous mfg..... | 12/03 | 101.2 | 101.6 | 101.6 | (3) | 0 |
| | Retail trade industries | | | | | | |
| 441 | Motor vehicle and parts dealers..... | 12/03 | 103.3 | 104.2 | 104.0 | (3) | -.2 |
| 442 | Furniture and home furnishings stores..... | 12/03 | 102.6 | 104.0 | 105.1 | (3) | 1.1 |
| 443 | Electronics and appliance stores..... | 12/03 | 98.6 | 100.6 | 97.9 | (3) | -2.7 |
| 444 | Bldg material and garden equip and supp dealers..... | 12/03 | 112.0 | 110.8 | 107.9 | (3) | -2.6 |
| 445 | Food and beverage stores..... | 12/99 | 124.2 | 120.4 | 123.8 | 6.0 | 2.8 |
| 446 | Health and personal care stores..... | 12/03 | 101.3 | 106.8 | 104.6 | (3) | -2.1 |
| 447 | Gasoline stations..... | 06/01 | 48.3 | 42.0 | 52.0 | -8.1 | 23.8 |
| 448 | Clothing and clothing accessories stores.... | 12/03 | 100.0 | 102.2 | 101.4 | (3) | -.8 |
| 451 | Sporting goods, hobby, book and music stores | 12/03 | 95.3 | 95.9 | 95.6 | (3) | -.3 |
| 452 | General merchandise stores..... | 12/03 | 104.6 | 105.2 | 102.7 | (3) | -2.4 |
| 454 | Nonstore retailers..... | 12/03 | 103.6 | 103.1 | 111.7 | (3) | 8.3 |
| | Transportation and warehousing | | | | | | |
| 481 | Air transportation..... | 12/92 | 163.9 | 161.6 | 160.4 | -1.2 | -.7 |
| 482 | Rail transportation..... | 12/96 | 113.3 | 114.7 | 115.5 | 5.6 | .7 |
| 483 | Water transportation..... | 12/03 | 101.5 | 103.6 | 103.4 | (3) | -.2 |
| 484 | Truck transportation..... | 12/03 | 103.4 | 104.7 | 105.4 | (3) | .7 |
| 486110 | Pipeline transportation of crude oil..... | 06/86 | 116.5 | 116.6 | 116.6 | 5.1 | 0 |
| 486910 | Pipeline transportation of refined petroleum products..... | 06/86 | 117.1 | 117.4 | 117.4 | 2.6 | 0 |
| 488 | Transportation support activities..... | 12/03 | 101.0 | 102.2 | 102.5 | (3) | .3 |
| 491 | Postal service..... | 06/89 | 155.0 | 155.0 | 155.0 | 0.0 | 0.0 |
| 492 | Couriers and messengers..... | 12/03 | 106.2 | 106.4 | 106.8 | (3) | .4 |
| | Utilities | | | | | | |
| 221 | Utilities..... | 12/03 | 107.1 | 104.0 | 108.5 | (3) | 4.3 |
| | Health care and social assistance | | | | | | |
| 6211 | Offices of physicians..... | 12/96 | 114.3 | 114.4 | 114.4 | 1.3 | 0 |
| 6215 | Medical and diagnostic laboratories..... | 12/03 | 100.0 | 100.1 | 100.1 | (3) | 0 |
| 6216 | Home health care services..... | 12/96 | 119.7 | 119.9 | 120.0 | .8 | .1 |
| 622 | Hospitals..... | 12/92 | 141.6 | 142.9 | 143.3 | 4.1 | .3 |
| 6231 | Nursing care facilities..... | 12/03 | 102.9 | 103.5 | 103.6 | (3) | .1 |
| 62321 | Residential mental retardation facilities... | 12/03 | 102.1 | 100.9 | 102.0 | (3) | 1.1 |

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 code | Industry 1/ | Index base | Index | | | Percent change to Nov., 2004 from: | |
|---------------|--|------------|---------|---------|---------|------------------------------------|------|
| | | | July | Oct. | Nov. | Nov. | Oct. |
| | | | 2004 2/ | 2004 2/ | 2004 2/ | 2003 | 2004 |
| | Other services industries | | | | | | |
| 511 | Publishing industries, except Internet..... | 12/03 | 101.5 | 101.5 | 102.0 | (3) | 0.5 |
| 515 | Broadcasting, except Internet..... | 12/03 | 99.6 | 103.6 | 105.5 | (3) | 1.8 |
| 517 | Telecommunications..... | 12/03 | 99.8 | 99.2 | 99.0 | (3) | -.2 |
| 5182 | Data processing and related services..... | 12/03 | 99.0 | 98.9 | 98.5 | (3) | -.4 |
| 523 | Security, commodity contracts and like activity..... | 12/03 | 103.2 | 104.0 | 105.3 | (3) | 1.3 |
| 524 | Insurance carriers and related activities... | 12/03 | 102.2 | 102.4 | 102.6 | (3) | .2 |
| 53112 | Lessors of nonres bldg (exc miniwarehouse).. | 12/03 | 103.5 | 104.1 | 104.2 | (3) | .1 |
| 5312 | Offices of real estate agents and brokers... | 12/03 | 101.0 | 99.5 | 99.6 | (3) | .1 |
| 5321 | Automotive equipment rental and leasing..... | 06/01 | 110.0 | 108.0 | 107.9 | -.6 | -.1 |
| 5411 | Legal services..... | 12/96 | 131.6 | 132.5 | 132.1 | 4.5 | -.3 |
| 541211 | Offices of certified public accountants..... | 12/03 | 101.3 | 102.0 | 102.3 | (3) | .3 |
| 5413 | Architectural, engineering and related services..... | 12/96 | 127.0 | 127.4 | 127.3 | 2.0 | -.1 |
| 54181 | Advertising agencies..... | 12/03 | 100.0 | 100.4 | 100.7 | (3) | .3 |
| 5613 | Employment services..... | 12/96 | 114.6 | 115.3 | 115.2 | 3.0 | -.1 |
| 56151 | Travel agencies..... | 12/03 | 95.1 | 96.9 | 96.4 | (3) | -.5 |
| 56172 | Janitorial services..... | 12/03 | 101.0 | 101.5 | 101.3 | (3) | -.2 |
| 5621 | Waste collection..... | 12/03 | 101.4 | 101.4 | 101.4 | (3) | 0 |
| 721 | Accommodation | 12/96 | 126.6 | 125.4 | 124.7 | 2.9 | -.6 |

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 July 2004 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision 4 months after original publication.

3/ Not available.

Note: NAICS 2002 replaced the SIC system beginning with the release of PPI data for January 2004.

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

| Grouping | Index 1/ | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|
| | June 2004 | July 2004 | Aug. 2004 | Sep. 2004 | Oct. 2004 | Nov. 2004 |
| Finished goods..... | 148.3 | 148.3 | 148.4 | 148.5 | 151.0 | 151.8 |
| Finished consumer goods..... | 151.5 | 151.4 | 151.4 | 151.4 | 154.6 | 155.6 |
| Finished consumer foods..... | 154.8 | 152.0 | 151.5 | 151.6 | 154.1 | 154.7 |
| Crude..... | 121.2 | 121.4 | 126.7 | 138.4 | 157.9 | 156.9 |
| Processed..... | 157.7 | 154.6 | 153.6 | 152.7 | 153.7 | 154.4 |
| Finished consumer goods, excluding foods.... | 149.8 | 150.8 | 151.0 | 151.0 | 154.5 | 155.6 |
| Nondurable goods less foods..... | 154.6 | 156.6 | 156.8 | 156.4 | 161.4 | 162.8 |
| Durable goods..... | 135.7 | 134.7 | 134.9 | 135.5 | 136.0 | 136.4 |
| Capital equipment..... | 141.4 | 141.3 | 141.6 | 142.1 | 142.7 | 143.0 |
| Manufacturing industries..... | 142.5 | 142.6 | 142.8 | 143.1 | 143.5 | 143.7 |
| Nonmanufacturing industries..... | 141.0 | 140.7 | 141.1 | 141.7 | 142.4 | 142.6 |
| Intermediate materials, supplies, and components. | 142.5 | 143.2 | 144.9 | 145.1 | 146.4 | 147.5 |
| Materials and components for manufacturing.... | 137.7 | 138.0 | 139.6 | 140.7 | 141.2 | 141.8 |
| Materials for food manufacturing..... | 151.9 | 146.7 | 144.4 | 143.2 | 143.4 | 144.0 |
| Materials for nondurable manufacturing..... | 145.9 | 147.3 | 149.6 | 152.2 | 153.6 | 155.1 |
| Materials for durable manufacturing..... | 145.7 | 147.1 | 150.9 | 153.1 | 152.7 | 153.4 |
| Components for manufacturing..... | 127.6 | 127.5 | 128.1 | 128.0 | 128.3 | 128.4 |
| Materials and components for construction.... | 166.7 | 167.2 | 169.8 | 171.0 | 170.8 | 170.8 |
| Processed fuels and lubricants..... | 123.5 | 125.1 | 128.9 | 126.2 | 131.4 | 134.8 |
| Manufacturing industries | 127.0 | 126.2 | 130.2 | 127.3 | 128.6 | 133.1 |
| Nonmanufacturing industries..... | 121.4 | 124.5 | 128.1 | 125.5 | 133.2 | 135.9 |
| Containers..... | 158.9 | 159.7 | 161.4 | 162.5 | 164.1 | 164.3 |
| Supplies..... | 147.3 | 148.0 | 147.5 | 147.7 | 147.8 | 148.0 |
| Manufacturing industries..... | 148.7 | 149.4 | 149.6 | 150.2 | 151.3 | 151.5 |
| Nonmanufacturing industries..... | 145.8 | 146.4 | 145.7 | 145.8 | 145.8 | 145.9 |
| Feeds..... | 129.0 | 130.2 | 115.1 | 110.7 | 102.9 | 101.4 |
| Other supplies..... | 148.3 | 148.9 | 149.7 | 150.3 | 151.0 | 151.3 |
| Crude materials for further processing..... | 162.1 | 161.5 | 159.8 | 153.1 | 159.7 | 173.6 |
| Foodstuffs and feedstuffs..... | 135.4 | 128.8 | 123.0 | 120.4 | 119.4 | 121.5 |
| Nonfood materials..... | 177.8 | 182.2 | 183.7 | 174.0 | 186.4 | 209.3 |
| Nonfood materials except fuel 2/..... | 136.6 | 148.8 | 157.8 | 155.3 | 172.0 | 165.8 |
| Manufacturing 2/..... | 125.8 | 137.3 | 145.7 | 143.4 | 159.0 | 153.2 |
| Construction..... | 192.6 | 193.9 | 194.6 | 194.4 | 195.0 | 195.4 |
| Crude fuel 3/..... | 229.8 | 219.9 | 208.4 | 187.1 | 190.6 | 261.5 |
| Manufacturing industries..... | 217.6 | 208.4 | 197.7 | 178.3 | 181.4 | 246.8 |
| Nonmanufacturing industries..... | 235.1 | 225.0 | 213.1 | 191.3 | 194.9 | 267.7 |
| Special groupings | | | | | | |
| Finished goods, excluding foods..... | 146.4 | 147.0 | 147.3 | 147.4 | 150.0 | 150.8 |
| Intermediate materials less foods and feeds..... | 142.5 | 143.4 | 145.5 | 145.8 | 147.3 | 148.4 |
| Intermediate foods and feeds..... | 145.0 | 142.0 | 135.4 | 133.1 | 130.6 | 130.6 |
| Crude materials less agricultural products 2/.... | 182.3 | 186.1 | 188.0 | 177.5 | 190.6 | 214.5 |
| Finished energy goods..... | 110.3 | 113.3 | 113.2 | 112.2 | 119.8 | 121.9 |
| Finished goods less energy..... | 153.0 | 152.0 | 152.2 | 152.6 | 153.6 | 154.0 |
| Finished consumer goods less energy..... | 158.1 | 156.7 | 156.8 | 157.2 | 158.4 | 158.8 |
| Finished goods less foods and energy..... | 152.7 | 152.4 | 152.8 | 153.3 | 153.8 | 154.1 |
| Finished consumer goods less foods and energy.... | 160.4 | 160.0 | 160.3 | 160.9 | 161.3 | 161.7 |
| Consumer nondurable goods less foods and energy.. | 180.1 | 180.4 | 180.9 | 181.4 | 181.7 | 182.0 |
| Intermediate energy goods..... | 122.3 | 123.9 | 127.5 | 125.1 | 130.5 | 133.5 |
| Intermediate materials less energy..... | 145.9 | 146.4 | 147.6 | 148.5 | 148.7 | 149.2 |
| Intermediate materials less foods and energy.... | 146.1 | 146.8 | 148.5 | 149.5 | 149.9 | 150.5 |
| Crude energy materials 2/..... | 180.0 | 177.9 | 178.1 | 166.3 | 179.5 | 210.1 |
| Crude materials less energy..... | 145.5 | 145.9 | 143.1 | 139.8 | 142.0 | 144.9 |
| Crude nonfood materials less energy 3/..... | 175.9 | 195.2 | 200.1 | 195.1 | 205.7 | 210.9 |

1/ All seasonally adjusted indexes are subject to change up to 5 years after original publication due to the recalculation of seasonal factors each January. The indexes for July 2004 have been recalculated to incorporate late reports and corrections by respondents.

2/ Includes crude petroleum.

3/ Excludes crude petroleum.