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Producer Price Indexes -- November 1996

The Producer Price Index for Finished Goods advanced 0.4 percent in November, seasonally adjusted, the Bureau of Labor Statistics of U. S. Department of Labor reported today. This followed a 0.4-percent increase in October and a 0.2-percent rise in September. Prices received by domestic producers of intermediate goods rose 0.2 percent in November after registering no change in the prior month. The Crude Goods Price Index advanced 1.8 percent, which followed a 0.6-percent decline in October. (See table A.)

Among finished goods in November, increases in the indexes for finished energy goods and for finished goods less foods and energy offset a decline in the index for finished consumer foods. Prices for finished goods less foods and energy turned up 0.1 percent after falling 0.3 percent in the prior month.

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

Month	Total	Foods	Energy	Finish	Change in	Inter-	Crude
				ed goods			
1995							
Nov.	0.3	1.1	-1.0	0.4	2.1	-0.1	1.6

Dec.	0.6	0.1	3.8	0.1	2.3	0.2	1.6
1996							
Jan.	0.2	-0.4	2.4	-0.1	2.2	0.2	2.3
Feb.	-0.1	-0.2	-0.9	0.1	2.0	-0.5	1.6
Mar.	0.5	0.8	2.6	-0.1	2.4	0.1	-1.4
Apr.	0.2	-0.5	2.7	0	2.4	0.4	4.5
May	0.2	0.2	-0.4	0.3	2.3	0.5	1.1
June	0.2	1.8	-2.4	0.1	2.7	-0.5	-2.1
July	-0.1	r0.1	r-0.6	0	2.6	-0.3	r2.7
Aug.	0.3	r0.9	r0.6	0	3.0	0.2	r-0.5
Sept.	0.2	0.2	0.2	0.3	2.9	0.3	-1.5
Oct.	0.4	0.8	1.9	-0.3	3.0	0	-0.6
Nov.	0.4	-0.1	2.3	0.1	3.0	0.2	1.8

r=revised. Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for July 1996 have been revised to reflect the availability of late reports and corrections by respondents.

Before seasonal adjustment, the Producer Price Index for Finished Goods registered no change in November at 132.5 (1982=100). From November 1995 to November 1996, the Finished Goods Price Index rose 3.0 percent. Over the same period, the index for finished energy goods rose 12.9 percent, prices for finished consumer foods increased 3.7 percent, and the index for finished goods other than foods and energy advanced 0.6 percent. Prices received by domestic producers of intermediate goods rose 0.6 percent for the 12 months ended in November, and the index for crude materials moved up 9.4 percent over the same period.

Finished Goods

The Producer Price Index for Finished Energy Goods rose 2.3 percent in November after increasing 1.9 percent a month earlier. Prices for residential gas advanced 3.8 percent, after registering no change in October. The index for finished lubricants turned up in November after falling a month earlier. By contrast, the index for gasoline rose 2.8 percent after increasing 5.5 percent in October. The index for home heating oil declined after advancing in the previous month.

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

Interm
ediate
goods

Crude
goods

Change in

Month	Foods	Energy	Exclud ing foods and energy	Change in intermedi ate goods from 12 months ago (unadj.)	Foods	Energy	Excludi ng foods and energy	crude goods from 12 months ago (unadj.)
					(unadj .)			
1995								
Nov.	2.1	0.2	-0.3	3.5	2.8	2.1	-1.7	4.7
Dec.	1.5	2.8	-0.2	3.3	-0.4	6.1	-0.9	5.5
1996								
Jan.	-0.1	2.8	-0.3	2.2	-0.4	7.7	-0.2	7.2
Feb.	-0.2	-1.3	-0.4	1.1	-0.7	5.9	-0.2	8.3
Mar.	0	2.1	-0.2	0.7	0.1	-2.5	-2.3	7.5
Apr.	1.9	3.4	-0.1	0.6	4.3	8.3	-1.1	10.4
May	4.0	1.0	0.1	0.7	6.3	-4.6	0.6	12.7
June	0.8	-3.6	0	0.3	1.4	-6.8	-1.7	9.6
July	r0.4	r-0.6	-0.3	r-0.1	r2.7	r5.4	r-1.7	r13.2
Aug.	0.2	r0.5	0.1	0	r-0.7	r-1.0	r0.5	13.9
Sept.	1.1	0.8	0.1	0.5	-3.8	0.6	0.6	10.2
Oct.	-2.0	1.7	-0.1	0.5	-2.7	1.5	0.3	9.4
Nov.	-2.2	1.2	0.1	0.6	-1.9	7.7	-0.3	9.4

r=revised. Some of the figures shown above and elsewhere in this release may differ from those previously reported because data for July 1996 have been revised to reflect the availability of late reports and corrections by respondents.

The capital equipment index rose 0.3 percent in November after dropping 0.4 percent in the prior month. Prices for heavy motor trucks advanced 1.9 percent, following a decline of 4.4 percent in October. The index for light motor trucks also rose in November after falling a month ago. Prices for x-ray equipment registered no change after declining in October. The index for civilian aircraft rose more in November than it did in the prior month. Prices for industrial material handling equipment, truck trailers, paper industries machinery, and for pumps and compressors advanced in November after remaining unchanged in the previous month. By contrast, the index for ships fell 3.9 percent following a rise of 4.0 percent in October. Prices also declined for transformers, railroad equipment, textile machinery, and for office and store machines and equipment after increasing a month ago. The index for communications and related equipment dropped after registering no change in October, and prices for commercial furniture rose less than a month ago.

The index for finished consumer goods excluding food and energy remained unchanged in November following a 0.1 percent decline in October. Price increases for passenger cars, cosmetics, light trucks, household furniture, over-the-counter drugs, and prescription drugs offset price declines for women's apparel, sanitary paper products, newspapers, household appliances, floor coverings, and periodicals.

The index for finished consumer foods fell 0.1 percent in November following an increase of 0.8 percent a month earlier. Prices for dairy products declined 4.5 percent after rising 0.2 percent in October. The index for fresh fruits and melons also fell in November following an advance in the previous month. Price increases slowed in November for finfish and shellfish, pork, and bakery products. By contrast, prices for fresh and dry vegetables advanced 16.6 percent in November after rising 7.0 percent a month ago. The index for young chickens also rose more than in October. Prices for eggs for fresh use, turkeys, and confectionery end products turned up after declining in the prior month.

Intermediate goods

The Producer Price Index for Intermediate Materials, Supplies, and Components advanced 0.2 percent in November, seasonally adjusted, after remaining unchanged a month earlier. The indexes for durable manufacturing materials, construction materials, and nondurable manufacturing materials turned up after falling in October. By contrast, prices for energy goods rose less than in the previous month, and the index for foods and feeds fell more than a month earlier. Excluding food and energy prices, the intermediate materials index turned up 0.1 percent after falling the same amount a month ago. (See table B.)

Prices for durable manufacturing materials advanced 0.4 percent after decreasing the same amount in October. The rise in the index for copper accelerated to 7.1 percent from 0.7 percent in the previous month. Prices for copper and brass mill shapes also increased more than a month earlier. The indexes for hot rolled steel sheet and strip, aluminum, and cold rolled steel sheets and strip turned up after falling in October. Prices for plywood and aluminum mill shapes fell less than in the prior month. On the other hand, the index for flat glass turned down 0.1 percent after rising 0.4 percent in the previous month. Prices for hot rolled steel bars, plates, and structural shapes fell more than in October.

The index for construction materials rose 0.4 percent after falling 0.3 percent a month earlier. Prices for softwood lumber turned up 5.4 percent after falling 5.1 percent in the previous month. The indexes for plastic construction products, asphalt felts and coatings, and fabricated ferrous wire products also increased after falling a month earlier. Prices for millwork rose after remaining unchanged in the previous month. By contrast, the index for fabricated structural metal products remained unchanged after increasing 0.4 percent a month ago. Prices for nonferrous wire and cable decreased after rising in the previous month.

Prices for nondurable manufacturing materials turned up 0.1 percent after falling 0.2 percent in October. The index for paperboard rose 1.0 percent after declining the same amount a month earlier. Prices for leather and intermediate basic organic chemicals also turned up after falling in the previous month. The index for primary basic organic chemicals rose more than in the prior month. Conversely, the index for miscellaneous inorganic acids turned down 3.2 percent after increasing 2.4 percent a month ago. Prices for plastic resins and materials, nitrogenates, and for processed yarns and threads also fell after rising in the previous month.

The rise in the index for intermediate energy goods slowed to 1.2 percent from 1.7 percent in October. Prices for jet fuels turned down 7.0 percent following a 1.6-percent rise in the previous month. The indexes for both diesel and residual fuel also dropped after increasing a month earlier. Prices for gasoline, liquefied petroleum gas, and commercial electric power rose less than a month ago. On the other hand, the index for utility natural gas turned up 4.6 percent after falling 0.4 percent in October. Prices for industrial electric power rose more than in the prior month.

The index for intermediate foods and feeds fell 2.2 percent after declining 2.0 percent in the previous month. The index for natural and processed cheese dropped 7.0 percent after decreasing 0.2 percent in October. Prices for flour also fell more than a month earlier. Indexes for confectionery materials and for condensed and evaporated milk turned down after rising in the prior month. Prices for pork rose less than a month ago. The decline in the index for prepared animal feeds, however, slowed to 2.8 percent from 5.2 percent in the previous month. Prices for crude vegetable oils also fell less than in the previous month, and the index for refined sugar turned up after falling in October.

Crude goods

The Producer Price Index for Crude Materials for Further Processing

increased 1.8 percent in November, seasonally adjusted, after falling 0.6 percent a month earlier. The index for energy materials rose more than in the prior month, and prices for foodstuffs and feedstuffs fell less than in October. By contrast, the index for basic industrial materials turned down after rising a month ago. (See table B.)

The rise in the index for crude energy materials accelerated to 7.7 percent from 1.5 percent in October. Prices for natural gas turned up 25.1 percent after falling 3.2 percent in the previous month. The index for coal also increased after declining in the prior month. On the other hand, prices for crude petroleum turned down 4.6 percent after rising 8.5 percent in the prior month.

Price declines for intermediate foods and feeds slowed to 1.9 percent from 2.7 percent in the previous month. The index for corn fell 10.2 percent after declining 18.3 percent a month ago. Prices for soybeans also fell less than a month earlier. Indexes for slaughter hogs and for fresh and dry vegetables rose more than in October. By contrast, the index for slaughter cattle turned down 2.2 percent after rising 1.0 percent in the previous month. Prices for fresh fruits and melons and unprocessed shellfish also declined after increasing a month ago. The index for hay remained unchanged after rising a month earlier, and fluid milk prices fell more than in the prior month.

The index for crude nonfood materials less energy turned down 0.3 percent after rising the same amount in the previous month. Prices for iron and steel scrap fell 6.8 percent after decreasing 4.3 percent a month ago. The indexes for wastepaper, cattle hides, and raw cotton turned down after rising a month earlier. Prices for hardwood logs, bolts, and timber remained unchanged after rising in October. Conversely, the index for aluminum base scrap turned up 6.4 percent after falling 1.5 percent in the prior month. Prices for copper ores and for softwood logs, bolts, and timber rose more than in the previous month.

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

Mining. The Producer Price Index for the net output of total domestic mining industries advanced 6.8 percent in November, after increasing 2.7 percent in October. (Net output price indexes are not seasonally adjusted.) In November, prices for the oil and gas extraction industry group index rose 8.9 percent, after increasing 3.9 percent in the previous month. Prices advanced for the metal mining industry group after showing no change in the previous month. Prices for the bituminous coal and lignite mining industry group turned up after falling in October. The index for nonmetallic minerals mining, however, increased 0.2 percent after rising 0.6 percent a

month earlier. In November, the Producer Price index for total mining stood at 88.4 (December 1984=100), 25.4 percent higher than a year earlier.

Manufacturing. The Producer Price Index for total domestic manufacturing industries moved down 0.2 percent in November, after rising 0.5 percent in the previous month. The index for the petroleum refining industry group increased 0.4 percent after rising 2.6 percent in the previous month. Price increases also slowed for the apparel industry group. Prices fell more than in October for the food and kindred products, textile mill products, and measuring instruments industry groups. Prices turned down after rising a month earlier for the industry groups for printing and publishing, and miscellaneous manufacturing industries. The index for the transportation equipment industry group was unchanged after rising 2.4 percent in the preceding month. By contrast, prices turned up for the industry groups for lumber and wood products, leather and leather products, and nonmetallic mineral products. Price declines slowed for the industry groups for paper and allied products and for rubber and plastic products. In November the index for total manufacturing was 128.0 (December 1984=100), 2.3 percent above its year earlier level.

Other. Among other industries in November, prices for collection of recovered paper turned down 2.6 percent, after increasing up 8.5 percent in October. Prices also fell after rising in the previous month for general warehousing and storage; water transportation of freight, not elsewhere classified; nonscheduled air transportation; airports and airport services; travel agencies; freight transportation arrangement; telephone communications, except radio telephone; and psychiatric hospitals. Prices fell more than in October for collection of ferrous scrap metal, real estate agents and managers, and passenger car rental. Price increases slowed for deep sea domestic transportation of freight, radio broadcasting, skilled and intermediate care facilities, and for general medical and surgical hospitals.

By contrast, indexes turned up after falling in October for refrigerated warehousing and storage, collection of nonferrous metal scrap, operators of nonresidential buildings, building cleaning and maintenance services, and for truck rental and leasing. Price increases accelerated for air passenger transportation, and employment agencies. Prices declined less than in October for electric power utilities.

Producer Price Index data for December 1996 will be released on Thursday, January 9, at 8:30 a.m. (E.S.T.)

The following is the schedule of 1997 release dates for Producer Price Index

data:

Reference Month	Release Date
January 1997	Friday, February 14
February	Friday, March 14
March	Friday, April 11
April	Wednesday, May 14
May	Friday, June 13
June	Friday, July 11
July	Wednesday, August 13
August	Friday, September 12
September	Friday, October 10
October	Friday, November 14
November	Friday, December 12
December	Thursday, January 8, 1998

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

New Seasonal Adjustment Method to be Implemented

Effective with the release of January data on February 14, 1997, the Bureau of Labor Statistics will begin using X-12 ARIMA seasonal adjustment software (developed by the Bureau of the Census) for performing Intervention Analysis Seasonal Adjustment (IASA). The X-12 ARIMA methodology incorporates a number of technical enhancements that improve the estimation of seasonal factors. This change will affect 16 PPI series. In addition, all remaining Producer Price Index series requiring seasonal adjustment will be processed using X-12 ARIMA software beginning in February 1998. Seasonal adjustment methods in the Consumer Price Index will change in similar fashion.

To request a report that describes the new methodology and its effects on the Finished Goods index, please contact Angelo Maggi on (202) 606-7729 or see "Assessing the Impact of February 1997 Improvements to PPI procedures for intervention analysis seasonal adjustment" in the November 1996 issue of PPI Detailed Report.

Recalculated Seasonally Adjusted Indexes to be Available on
February 12, 1997

Seasonal adjustment factors for the PPI are recalculated in January each year to reflect price movements for the prior calendar year. This routine

annual recalculation may result in revisions to seasonally adjusted indexes for the previous five years. BLS will make available recalculated seasonally adjusted indexes, as well as recalculated seasonal adjustment factors, for the period January 1992 through December 1996, at 8:30 a.m. on Wednesday, February 12, 1997. This date is two days before the scheduled release of the January 1997 PPI on Friday, February 14, 1997.

The recalculated 1992-1996 seasonally adjusted indexes will be available on the BLS Web site at <http://stats.bls.gov>. The recalculated 1992-1996 seasonal adjustment factors will be available on the BLS ftp site at <ftp://stats.bls.gov>. Choose the "pub" directory, the "special.requests" directory, and the "ppi" directory. The revised stage-of-processing index factors will be in the file, "sopsf97.txt." The revised commodity index factors will be in the file, "commsf97.txt."

This information may also be requested from the Division of Industrial Prices and Price Indexes, Section of Index Analysis, at (202) 606-7705.

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

Grouping	Relative importance	Unadjusted index			Unadjusted percent change to Nov. 1996 from:		Seasonally adjusted percent change from:			
		Dec.	July	Oct.	Nov.	Nov.	Oct.	Aug. to	Sept. to	Oct. to
		1995 1/	1996 2/	1996 2/	1996 2/	1995	1996	Sept.	Oct.	Nov.
Finished goods.....	100.000	131.5	132.5	132.5	3.0	0	0.2	0.4	0.4	
Finished consumer goods.....	75.328	129.9	131.0	131.0	3.8	0	.2	.5	.5	
Finished consumer foods.....	23.341	133.9	136.4	135.9	3.7	-.4	.2	.8	-.1	
Crude.....	1.542	123.7	135.7	135.1	7.1	-.4	3.9	8.1	.4	
Processed.....	21.799	134.6	136.4	135.9	3.4	-.4	-.1	.4	-.1	
Finished consumer goods, excluding foods.....	51.987	128.0	128.6	128.7	3.9	.1	.2	.4	.7	
Nondurable goods less foods.....	35.295	124.0	124.2	124.5	5.7	.2	.1	.9	.9	
Durable goods.....	16.692	133.8	135.1	135.1	.3	0	.5	-.6	.1	
Capital equipment.....	24.672	138.1	138.6	138.7	.3	.1	.3	-.4	.3	
Manufacturing industries.....	6.146	137.1	137.4	137.4	.1	0	.1	-.1	.1	
Nonmanufacturing industries.....	18.526	138.4	139.0	139.1	.4	.1	.4	-.4	.3	
Intermediate materials, supplies, and components.	100.000	125.9	126.0	125.9	.6	-.1	.3	0	.2	
Materials and components for manufacturing.....	50.055	128.3	128.3	128.3	-1.7	0	.2	-.2	0	
Materials for food manufacturing.....	3.315	128.5	129.1	127.0	3.4	-1.6	.5	.2	-1.5	
Materials for nondurable manufacturing.....	16.240	129.4	129.7	129.9	-3.7	.2	.2	-.2	.1	
Materials for durable manufacturing.....	11.189	130.7	130.6	131.0	-2.2	.3	.6	-.4	.4	
Components for manufacturing.....	19.311	126.7	126.6	126.6	-.4	0	0	0	0	
Materials and components for construction.....	12.541	143.7	144.2	144.8	1.8	.4	.4	-.3	.4	
Processed fuels and lubricants.....	12.359	91.1	92.2	91.6	11.3	-.7	.8	1.8	1.2	
Manufacturing industries	4.913	93.4	93.9	94.1	11.1	.2	.4	2.0	2.5	
Nonmanufacturing industries.....	7.446	89.6	91.0	90.0	11.5	-1.1	1.1	1.6	.4	
Containers.....	3.875	139.6	137.9	138.2	-8.5	.2	-.1	-.4	.1	
Supplies.....	21.170	136.4	135.9	135.5	.9	-.3	.3	-.6	-.4	
Manufacturing industries.....	7.550	138.9	139.0	138.8	.4	-.1	.1	-.1	-.1	
Nonmanufacturing industries.....	13.620	135.1	134.4	133.7	1.1	-.5	.4	-.8	-.4	
Feeds.....	1.541	138.4	133.2	128.4	9.8	-3.6	2.3	-6.3	-3.8	
Other supplies.....	12.079	134.6	134.6	134.5	.1	-.1	.1	.1	-.1	
Crude materials for further processing.....	100.000	115.6	111.3	113.6	9.4	2.1	-1.5	-.6	1.8	
Foodstuffs and feedstuffs.....	44.045	130.9	119.4	117.9	3.2	-1.3	-3.8	-2.7	-1.9	
Nonfood materials.....	55.955	101.2	101.9	106.6	14.4	4.6	.6	1.1	4.7	

Nonfood materials except fuel 3/.....		38.758	102.6	109.4	107.5	7.4	-1.7	3.2	2.7	-1.6
Manufacturing 3/.....		34.758	94.5	101.4	99.2	8.2	-2.2	3.6	2.9	-2.0
Construction.....		4.000	193.1	195.9	198.6	1.0	1.4	.5	.7	1.5
Crude fuel 4/.....		17.197	89.2	79.4	95.1	31.2	19.8	-4.8	-2.7	19.8
Manufacturing industries.....		3.654	87.6	79.0	92.8	27.5	17.5	-4.1	-2.5	17.5
Nonmanufacturing industries.....		13.543	90.8	80.5	96.8	32.1	20.2	-5.1	-2.7	20.2
Special groupings										
Finished goods, excluding foods.....	5/	76.659	130.8	131.3	131.4	2.7	.1	.2	.2	.6
Intermediate materials less foods and feeds.....	6/	95.144	125.6	125.8	125.8	.4	0	.2	.1	.3
Intermediate foods and feeds.....	6/	4.856	131.9	130.7	127.7	5.4	-2.3	1.1	-2.0	-2.2
Crude materials less agricultural products 3/ 7/..	8/	53.384	100.6	101.2	106.2	15.6	4.9	.6	1.0	5.0
Finished energy goods.....	5/	13.443	84.2	84.5	84.9	12.9	.5	.2	1.9	2.3
Finished goods less energy.....	5/	86.557	139.6	140.8	140.7	1.4	-.1	.2	.1	.1
Finished consumer goods less energy.....	5/	61.885	140.2	141.6	141.4	1.9	-.1	.2	.2	0
Finished goods less foods and energy.....	5/	63.216	141.9	142.5	142.5	.6	0	.3	-.3	.1
Finished consumer goods less foods and energy....	5/	38.544	144.3	144.9	144.9	.8	0	.2	-.1	0
Consumer nondurable goods less foods and energy..	5/	21.852	151.8	151.8	151.8	1.3	0	0	.2	0
Intermediate energy goods.....	6/	12.503	90.9	91.9	91.4	11.2	-.5	.8	1.7	1.2
Intermediate materials less energy.....	6/	87.497	133.5	133.5	133.4	-.9	-.1	.2	-.2	-.1
Intermediate materials less foods and energy.....	6/	82.641	133.6	133.6	133.8	-1.2	.1	.1	-.1	.1
Crude energy materials 3/.....	8/	32.219	81.8	82.7	89.1	30.5	7.7	.6	1.5	7.7
Crude materials less energy.....	8/	67.781	135.8	127.5	126.2	-.2	-1.0	-2.5	-1.7	-1.4
Crude nonfood materials less energy 4/.....	8/	23.736	152.4	152.6	151.6	-6.5	-.7	.6	.3	-.3

1/ Comprehensive relative importance figures are initially computed after the publication of December indexes and are recalculated after final December indexes are available. The first-published and final December relative importances initially appear, respectively, in the release tables containing January and May data.

2/ The indexes for July 1996 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision four 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. 1996 from:		Seasonally adjusted percent change from:		
		July 1996	Oct. 1996	Nov. 1996	Nov. 1995	Oct. 1996	Aug. to Sept.	Sept. to Oct.	Oct. to Nov.
		1/	1/	1/					
	FINISHED GOODS.....	131.5	132.5	132.5	3.0	0	0.2	0.4	0.4
	FINISHED CONSUMER GOODS.....	129.9	131.0	131.0	3.8	0	.2	.5	.5
	FINISHED CONSUMER FOODS.....	133.9	136.4	135.9	3.7	-.4	.2	.8	-.1
01-11	Fresh fruits and melons 2/.....	95.8	126.1	103.8	16.5	-17.7	24.6	6.8	-17.7
01-13	Fresh and dry vegetables 2/.....	132.4	113.8	132.7	4.8	16.6	-7.7	7.0	16.6
01-71-07	Eggs for fresh use (Dec. 1991=100) 2/.....	95.1	102.4	114.7	3.7	12.0	3.6	-4.9	12.0
02-11	Bakery products 2/.....	170.2	172.7	172.8	3.6	.1	0	1.1	.1
02-13	Milled rice 2/.....	132.7	128.9	126.8	-2.8	-1.6	-.3	-2.9	-1.6
02-14-02	Pasta products (June 1985=100) 2/.....	126.4	127.9	128.4	1.3	.4	-.1	1.3	.4
02-21-01	Beef and veal.....	99.1	104.6	108.6	7.7	3.8	1.1	1.4	1.3
02-21-04	Pork.....	125.4	127.0	122.7	19.9	-3.4	-7.5	4.4	1.3
02-22-03	Processed young chickens.....	126.2	127.2	126.6	5.1	-.5	0	1.1	2.1
02-22-06	Processed turkeys.....	107.4	104.8	103.4	-7.8	-1.3	-2.3	-2.6	1.3
02-23	Finfish and shellfish.....	163.8	169.2	175.4	-2.2	3.7	-1.1	5.9	1.3
02-3	Dairy products.....	134.6	140.7	135.2	8.2	-3.9	1.8	.2	-4.5
02-4	Processed fruits and vegetables 2/.....	128.1	128.8	128.5	3.4	-.2	.9	-.2	-.2
02-55	Confectionery end products 2/.....	167.4	166.9	167.2	2.9	.2	.2	-.5	.2
02-62	Soft drinks.....	133.1	135.5	134.7	.7	-.6	.4	.6	-.1
02-63-01	Roasted coffee.....	127.3	126.9	127.3	-8.9	.3	.1	.8	.4
02-76	Shortening and cooking oils 2/.....	139.4	139.7	135.0	-4.5	-3.4	.6	-.2	-3.4
	FINISHED CONSUMER GOODS EXCLUDING FOODS.....	128.0	128.6	128.7	3.9	.1	.2	.4	.7
02-61	Alcoholic beverages.....	133.1	133.9	134.0	3.3	.1	0	.2	-.1
03-81-01	Women's apparel 2/.....	120.2	120.6	119.8	1.4	-.7	.1	.3	-.7
03-81-02	Men's and boys' apparel.....	132.4	132.4	132.3	1.1	-.1	0	.2	.1
03-81-03	Girls', children's, and infants' apparel 2/.....	121.8	123.8	123.8	.8	0	1.1	.3	0
03-82	Textile housefurnishings 2/.....	123.3	123.8	123.7	2.9	-.1	.1	.2	-.1
04-3	Footwear.....	141.7	142.2	142.3	1.4	.1	.2	.1	.1
05-41	Residential electric power (Dec. 1990=100).....	116.8	113.1	110.5	.5	-2.3	.4	-.2	-.2
05-51	Residential gas (Dec. 1990=100).....	110.6	109.4	113.7	12.8	3.9	-2.1	0	3.8

05-71	Gasoline.....	73.6	74.0	76.3	33.4	3.1	.9	5.5	2.8
05-73-02-01	Fuel oil No. 2.....	62.6	80.6	77.1	29.4	-4.3	2.0	3.8	-.4
06-35	Pharmaceutical preps, ethical (Prescription).....	267.1	266.4	266.5	1.9	0	1.1	-.4	.1
06-36	Pharmaceutical preps,proprietary (Over-counter).....	183.2	183.3	184.0	-1.9	.4	.1	.3	.4
06-71	Soaps and synthetic detergents 2/.....	125.3	125.7	125.6	1.5	-.1	.2	.2	-.1
06-75	Cosmetics and other toilet preparations 2/.....	130.3	128.4	129.7	.2	1.0	-1.2	-.1	1.0
07-12	Tires, tubes, tread, etc 2/.....	96.3	95.8	95.9	-5.0	.1	0	-1.0	.1
09-15-01	Sanitary papers and health products 2/.....	148.9	148.6	147.6	-2.4	-.7	-1.0	.4	-.7
09-31-01	Newspaper circulation.....	199.5	202.4	201.8	4.3	-.3	-.2	1.0	-.7
09-32-01	Periodical circulation.....	180.7	182.4	181.3	1.5	-.6	-.9	3.2	-.4
09-33	Book publishing 2/.....	192.5	195.7	195.6	2.4	-.1	.4	1.4	-.1
12-1	Household furniture 2/.....	144.6	144.9	145.3	1.5	.3	.1	.1	.3
12-3	Floor coverings 2/.....	126.8	127.8	126.8	1.6	-.8	.3	.2	-.8
12-4	Household appliances 2/.....	113.0	112.8	112.5	-.2	-.3	-.1	-.2	-.3
12-5	Home electronic equipment 2/.....	79.2	78.9	78.9	-.6	0	.3	-.1	0
12-62	Household glassware 2/.....	157.8	157.9	157.9	3.3	0	.1	-.1	0
12-64	Household flatware 2/.....	137.7	137.7	137.7	-.1	0	0	0	0
12-66	Lawn and garden equip., ex. tractors 2/.....	132.4	132.6	132.3	.6	-.2	0	0	-.2
14-11-01	Passenger cars.....	134.1	137.2	137.4	-.6	.1	1.2	-1.6	.5
15-11	Toys, games, and children's vehicles.....	125.4	125.4	125.3	.7	-.1	.5	.1	-.1
15-12	Sporting and athletic goods 2/.....	123.6	124.2	124.0	1.1	-.2	-.1	.4	-.2
15-2	Tobacco products 2/.....	240.1	239.0	238.8	2.3	-.1	-1.0	.3	-.1
15-5	Mobile homes 2/.....	150.2	150.6	151.2	1.7	.4	.1	.1	.4
15-94-02	Jewelry, platinum, & karat gold 2/.....	129.1	129.8	129.6	1.3	-.2	-.1	.5	-.2
15-94-04	Costume jewelry and novelties 2/.....	137.0	138.5	138.5	2.7	0	-.6	.3	0
	CAPITAL EQUIPMENT.....	138.1	138.6	138.7	.3	.1	.3	-.4	.3
11-1	Agricultural machinery and equipment 2/.....	146.3	146.1	146.4	.6	.2	.3	.3	.2
11-2	Construction machinery and equipment.....	140.0	140.2	140.4	2.3	.1	.3	.2	.2
11-37	Metal cutting machine tools 2/.....	152.7	154.2	154.3	2.9	.1	.3	.6	.1
11-38	Metal forming machine tools 2/.....	150.1	150.3	150.5	2.4	.1	-.2	-.1	.1
11-39	Tools, dies, jigs, fixtures, and ind. molds 2/.....	136.5	136.5	136.6	1.3	.1	0	.1	.1
11-41	Pumps, compressors, and equipment.....	143.4	143.8	144.1	2.0	.2	0	0	.4
11-44	Industrial material handling equipment 2/.....	127.4	127.6	128.0	1.5	.3	0	0	.3
11-51	Electronic computers (Dec. 1990=100) 2/.....	41.7	40.1	39.3	-19.6	-2.0	-.7	-2.0	-2.0
11-62	Textile machinery 2/.....	148.4	150.1	149.3	.9	-.5	0	1.1	-.5
11-64	Paper industries machinery (June 1982=100) 2/.....	153.9	154.1	154.6	1.7	.3	-.1	0	.3
11-65	Printing trades machinery 2/.....	137.0	138.3	138.4	2.8	.1	.1	.4	.1
11-74	Transformers and power regulators 2/.....	128.5	129.3	129.1	-1.1	-.2	.2	.6	-.2
11-76	Communication & related equip. (Dec. 1985=100) 2/...	112.9	113.2	111.9	-.4	-1.1	.1	0	-1.1
11-79-05	X-ray and electromedical equipment 2/.....	109.7	109.1	109.1	-2.5	0	-.1	-.5	0
11-91	Oil field and gas field machinery 2/.....	118.0	118.5	118.8	2.6	.3	0	.3	.3
11-92	Mining machinery and equipment 2/.....	139.4	139.7	138.4	.9	-.9	.2	0	-.9
11-93	Office and store machines and equipment 2/.....	111.7	111.8	111.7	-.1	-.1	-.4	.1	-.1

12-2	Commercial furniture 2/.....	151.8	152.2	152.8	1.7	.4	-.1	.5	.4
14-11-05	Light motor trucks.....	159.3	163.2	162.7	.6	-.3	1.3	-1.2	.5
14-11-06	Heavy motor trucks.....	145.4	141.6	142.7	-2.4	.8	.4	-4.4	1.9
14-14	Truck trailers 2/.....	130.6	130.0	130.2	-1.5	.2	-.1	0	.2
14-21-02	Civilian aircraft (Dec. 1985=100).....	147.4	147.4	148.9	3.0	1.0	.1	.1	1.2
14-31	Ships (Dec. 1985=100) 2/.....	138.6	144.6	139.0	4.6	-3.9	.1	4.0	-3.9
14-4	Railroad equipment.....	137.3	136.9	136.3	-.2	-.4	.1	.4	-.4
	INTERMEDIATE MATERIALS, SUPPLIES, AND COMPONENTS.....	125.9	126.0	125.9	.6	-.1	.3	0	.2
	INTERMEDIATE FOODS AND FEEDS.....	131.9	130.7	127.7	5.4	-2.3	1.1	-2.0	-2.2
02-12-03	Flour 2/.....	141.7	127.8	122.5	-9.1	-4.1	-2.0	-1.5	-4.1
02-53	Refined sugar 2/.....	125.4	123.9	124.1	4.0	.2	.3	-2.1	.2
02-54	Confectionery materials.....	106.8	110.3	110.1	.5	-.2	2.6	5.9	-.7
02-72	Crude vegetable oils 2/.....	118.7	111.3	109.9	-12.2	-1.3	1.0	-7.7	-1.3
02-9	Prepared animal feeds 2/.....	139.8	135.6	131.8	9.3	-2.8	2.4	-5.2	-2.8
	INTERMEDIATE MATERIALS LESS FOODS AND FEEDS.....	125.6	125.8	125.8	.4	0	.2	.1	.3
03-1	Synthetic fibers 2/.....	111.7	111.6	111.9	.1	.3	.3	-1.5	.3
03-2	Processed yarns and threads 2/.....	114.5	116.2	114.8	.8	-1.2	1.0	.3	-1.2
03-3	Gray fabrics 2/.....	121.1	120.9	120.6	-.2	-.2	-.3	-.2	-.2
03-4	Finished fabrics 2/.....	123.7	123.7	124.1	1.5	.3	-.1	-.1	.3
03-83-03	Industrial textile products 2/.....	127.4	127.8	127.9	5.9	.1	5.5	-.1	.1
04-2	Leather 2/.....	172.7	171.9	179.5	-2.2	4.4	1.1	-2.8	4.4
05-32	Liquefied petroleum gas 2/.....	76.0	92.6	102.7	57.5	10.9	.1	18.4	10.9

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. 1996 from:		Seasonally adjusted percent change from:		
		July 1996	Oct. 1996	Nov. 1996	Nov. 1995	Oct. 1996	Aug. to Sept.	Sept. to Oct.	Oct. to Nov.
		1/	1/	1/					
	INTERMEDIATE MATERIALS LESS FOODS AND FEEDS								
	-Continued.....								
05-42	Commercial electric power.....	139.1	131.2	127.9	0.6	-2.5	0.8	0.5	0.2
05-43	Industrial electric power.....	136.0	130.9	129.0	1.1	-1.5	.5	.2	1.5
05-52	Commercial natural gas (Dec. 1990=100) 2/.....	101.2	99.4	105.0	7.8	5.6	-2.5	-.1	5.6
05-53	Industrial natural gas (Dec. 1990=100) 2/.....	98.0	96.3	102.8	13.0	6.7	-1.2	-.9	6.7
05-54	Natural gas to electric utilities (Dec. 1990=100) 2/.....	87.3	82.0	82.9	-10.0	1.1	-2.5	-5.3	1.1
05-72-03	Jet fuels.....	62.0	75.3	72.6	24.1	-3.6	6.8	1.6	-7.0
05-73-03	No. 2 Diesel fuel.....	66.1	80.3	77.0	29.0	-4.1	.4	1.5	-3.0
05-74	Residual fuel 2/.....	61.5	63.1	63.0	34.0	-.2	.2	3.4	-.2
06-1	Industrial chemicals 2/.....	126.8	127.3	127.9	2.6	.5	.4	-.1	.5
06-21	Prepared paint.....	146.4	146.6	146.6	2.0	0	.3	.2	.1
06-22	Paint materials 2/.....	141.1	140.7	140.4	-1.5	-.2	-.5	0	-.2
06-31	Medicinal and botanical chemicals 2/.....	129.2	128.7	128.8	.5	.1	-.3	-.1	.1
06-4	Fats and oils, inedible 2/.....	136.3	144.3	124.9	-7.5	-13.4	9.1	-10.3	-13.4
06-51	Mixed fertilizers.....	115.1	113.7	113.6	2.3	-.1	.3	-.1	.3
06-52-01	Nitrogenates.....	122.9	129.9	131.7	5.1	1.4	1.8	4.2	-.4
06-52-02	Phosphates 2/.....	111.7	110.8	113.5	-.4	2.4	-1.3	.4	2.4
06-53	Other agricultural chemicals.....	144.3	146.1	146.6	1.5	.3	.3	.2	.2
06-6	Plastic resins and materials 2/.....	133.2	138.4	138.3	1.8	-.1	1.8	.9	-.1
07-11-02	Synthetic rubber 2/.....	122.1	121.8	121.8	-4.7	0	-.5	.3	0
07-21	Plastic construction products 2/.....	131.8	129.8	130.0	-2.0	.2	-.6	-1.0	.2
07-22	Unsupported plastic film, sheet, & other shapes.....	133.3	133.9	134.0	-1.5	.1	-.1	-.1	-.2
07-26	Plastic parts and components for manufacturing 2/.....	117.6	117.3	117.3	.4	0	.2	-.3	0
08-11	Softwood lumber 2/.....	191.6	194.3	204.8	19.9	5.4	2.7	-5.1	5.4
08-12	Hardwood lumber 2/.....	163.1	164.5	165.0	.5	.3	.1	.7	.3
08-2	Millwork 2/.....	167.0	168.8	169.3	3.6	.3	.5	0	.3
08-3	Plywood 2/.....	154.0	161.1	157.8	-2.4	-2.0	5.7	-3.8	-2.0
09-11	Woodpulp 2/.....	125.5	128.8	128.0	-34.5	-.6	-.3	.3	-.6
09-13	Paper 2/.....	146.4	142.2	141.2	-15.2	-.7	-1.2	-.8	-.7
09-14	Paperboard 2/.....	148.0	147.0	148.4	-20.1	1.0	-.1	-1.0	1.0
09-15-03	Paper boxes and containers 2/.....	151.1	147.5	148.0	-12.3	.3	-.3	-.5	.3

09-2	Building paper and board 2/.....	137.4	138.7	136.2	-6.4	-1.8	2.3	-1.4	-1.8
09-37	Commercial printing (June 1982=100) 2/.....	148.7	147.9	147.3	.3	-.4	0	-.6	-.4
10-15	Foundry and forge shop products.....	132.7	132.9	132.8	1.5	-.1	.1	.1	.1
10-17	Steel mill products 2/.....	115.5	116.3	116.5	-1.2	.2	.3	-.1	.2
10-22	Primary nonferrous metals 2/.....	122.4	114.7	115.8	-17.6	1.0	-.5	-1.6	1.0
10-25-01	Aluminum mill shapes 2/.....	145.7	140.5	138.9	-11.0	-1.1	-.4	-1.4	-1.1
10-25-02	Copper and brass mill shapes 2/.....	172.3	171.0	173.5	-10.9	1.5	-.1	.3	1.5
10-26	Nonferrous wire and cable 2/.....	145.9	145.8	145.6	-4.6	-.1	.3	.6	-.1
10-3	Metal containers 2/.....	109.6	108.5	108.4	-7.9	-.1	0	-1.0	-.1
10-4	Hardware.....	143.7	144.6	144.0	1.5	-.4	.1	.5	-.4
10-5	Plumbing fixtures and brass fittings.....	171.6	171.6	171.7	3.0	.1	.4	.1	.3
10-6	Heating equipment.....	151.5	151.9	151.9	2.4	0	.1	.2	.1
10-7	Fabricated structural metal products.....	138.0	138.6	138.7	1.5	.1	.1	.4	0
10-88	Fabricated ferrous wire products (June 1982=100) 2/.....	127.2	127.1	127.4	1.4	.2	.4	-.4	.2
10-89	Other misc. metal products 2/.....	125.6	125.9	126.0	.5	.1	.2	.1	.1
11-45	Mechanical power transmission equipment.....	151.5	151.7	152.2	2.6	.3	.2	.3	.6
11-48	Air conditioning and refrigeration equipment.....	132.8	132.2	132.7	1.2	.4	-.5	.2	.3
11-49-02	Metal valves, ex.fluid power (Dec. 1982=100).....	149.8	150.1	150.9	2.4	.5	.2	.5	.4
11-49-05	Ball and roller bearings 2/.....	157.8	158.8	158.8	2.5	0	.1	.6	0
11-71	Wiring devices.....	151.5	151.5	151.9	2.2	.3	.1	.1	.3
11-73	Motors, generators, motor generator sets.....	146.1	145.9	145.9	.6	0	.3	-.1	.1
11-75	Switchgear, switchboard, etc., equipment.....	142.1	143.2	143.7	1.4	.3	-.1	.8	.1
11-78	Electronic components and accessories 2/.....	108.0	107.7	107.8	-4.7	.1	-.7	-.3	.1
11-94	Internal combustion engines.....	139.1	139.4	139.8	2.6	.3	.2	-.1	.6
11-95	Machine shop products 2/.....	134.1	133.7	134.7	2.0	.7	.3	0	.7
13-11	Flat glass 2/.....	109.5	109.5	109.4	-2.4	-.1	.5	.4	-.1
13-22	Cement.....	135.0	135.2	135.4	4.4	.1	.4	.3	.6
13-3	Concrete products.....	133.6	133.9	134.7	3.0	.6	.4	.1	.3
13-6	Asphalt felts and coatings 2/.....	99.7	100.1	100.4	-.7	.3	.3	-.8	.3
13-7	Gypsum products 2/.....	152.5	162.1	163.9	8.2	1.1	1.1	1.8	1.1
13-8	Glass containers 2/.....	129.6	129.3	129.3	-1.4	0	-.4	0	0
14-12	Motor vehicle parts 2/.....	116.3	115.9	115.9	-.5	0	0	.1	0
14-23	Aircraft engines & engine parts (Dec. 1985=100).....	134.4	134.8	134.8	.7	0	.1	.3	0
14-25	Aircraft parts & aux.equip.,nec (June 1985=100) 2/.....	139.0	138.2	138.2	1.6	0	.1	.1	0
15-42	Photographic supplies 2/.....	129.8	129.7	129.7	1.3	0	1.9	0	0
15-6	Medical/surgical/personal aid devices.....	143.6	142.4	142.3	.2	-.1	-.1	-.9	.2
	CRUDE MATERIALS FOR FURTHER PROCESSING.....	115.6	111.3	113.6	9.4	2.1	-1.5	-.6	1.8
	CRUDE FOODSTUFFS AND FEEDSTUFFS.....	130.9	119.4	117.9	3.2	-1.3	-3.8	-2.7	-1.9
01-21	Wheat.....	139.0	118.6	117.3	-13.8	-1.1	-9.8	-4.5	-3.8
01-22-02-05	Corn.....	209.8	117.3	108.2	-14.2	-7.8	-24.0	-18.3	-10.2
01-31	Slaughter cattle.....	95.4	101.9	102.8	3.2	.9	6.8	1.0	-2.2
01-32	Slaughter hogs.....	96.7	92.2	90.5	36.9	-1.8	-6.0	7.2	12.5

01-41-02	Slaughter broilers/fryers.....	160.9	151.1	158.6	4.1	5.0	-3.3	5.0	3.3
01-42	Slaughter turkeys.....	126.0	127.6	132.7	-12.6	4.0	-5.0	-.1	3.9
01-6	Fluid milk.....	113.3	115.5	110.7	9.9	-4.2	.9	-3.3	-4.9
01-83-01-31	Soybeans.....	132.9	117.6	117.6	3.2	0	-.4	-13.6	-4.2
02-52-01-01	Cane sugar,raw 2/.....	118.3	119.7	118.1	-.8	-1.3	.5	.3	-1.3
	CRUDE NONFOOD MATERIALS.....	101.2	101.9	106.6	14.4	4.6	.6	1.1	4.7
01-51-01-01	Raw cotton.....	128.8	120.3	113.3	-19.5	-5.8	-2.9	1.2	-2.8
01-92-01-01	Leaf tobacco 2/.....	94.1	112.6	(3)	(3)	(3)	12.2	1.9	(3)
04-11	Cattle hides.....	186.0	205.4	204.9	16.0	-.2	-3.6	12.1	-.8
05-1	Coal 2/.....	93.3	94.1	94.6	-.2	.5	3.1	-2.5	.5
05-31	Natural gas 2/.....	87.3	75.3	94.2	40.6	25.1	-6.4	-3.2	25.1
05-61	Crude petroleum 2/.....	59.9	71.7	68.4	39.6	-4.6	7.3	8.5	-4.6
08-5	Logs, timber, etc. 2/.....	201.7	207.5	211.3	-.1	1.8	.8	1.7	1.8
09-12	Wastepaper 2/.....	134.9	151.7	147.6	-13.4	-2.7	2.9	8.6	-2.7
10-11	Iron ore 2/.....	96.7	96.7	96.7	3.4	0	-1.0	0	0
10-12	Iron and steel scrap 2/.....	190.5	183.7	171.3	-11.3	-6.8	.4	-4.3	-6.8
10-21	Nonferrous metal ores (Dec. 1983=100) 2/.....	86.6	83.5	84.7	-16.1	1.4	-.7	-.2	1.4
10-23-01	Copper base scrap 2/.....	157.9	152.1	152.4	-23.4	.2	-1.3	.1	.2
10-23-02	Aluminum base scrap.....	167.2	159.0	165.9	-9.8	4.3	1.7	-1.5	6.4
13-21	Construction sand, gravel, and crushed stone.....	145.9	145.8	146.2	1.8	.3	0	.1	.4

1/ The indexes for July 1996 have been recalculated to incorporate late reports and corrections by respondents. All indexes are subject to revision four 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 1996	Oct. 1996	Nov. 1996
	Finished Goods (1967=100).....	369.1	372.0	371.9
	All commodities.....	128.0	127.9	128.1
	MAJOR COMMODITY GROUPS			
	Farm products and processed foods and feeds....	133.2	130.6	129.3
01	Farm products.....	129.9	119.8	118.0
02	Processed foods and feeds.....	134.8	135.9	134.9
	Industrial commodities.....	127.0	127.4	127.8
03	Textile products and apparel.....	122.6	122.9	122.7
04	Hides, skins, leather, and related products..	149.4	152.0	153.6
05	Fuels and related products and power 2/.....	85.9	86.7	88.1
06	Chemicals and allied products 2/.....	142.0	142.9	143.2
07	Rubber and plastic products.....	123.9	123.9	123.8
08	Lumber and wood products.....	175.0	177.9	180.5
09	Pulp, paper, and allied products.....	167.0	166.8	166.6
10	Metals and metal products.....	130.4	129.6	129.5
11	Machinery and equipment.....	126.3	126.2	126.1
12	Furniture and household durables.....	130.6	130.8	130.8
13	Nonmetallic mineral products.....	131.2	131.7	132.1
14	Transportation equipment.....	141.3	142.5	142.5
15	Miscellaneous products.....	148.3	148.1	148.2
	Industrial commodities less fuels and related products and power.....	138.3	138.6	138.6
	OTHER COMMODITY GROUPINGS			
01-1	Fruits and melons, fresh and dry vegetables, and tree nuts.....	118.8	129.2	122.5
01-2	Grains.....	184.9	118.8	112.2
01-3	Slaughter livestock.....	97.4	100.5	100.7
01-4	Slaughter poultry.....	151.3	144.3	151.3

01-5	Plant and animal fibers.....	128.2	119.9	113.1	
01-7	Chicken eggs.....	116.7	128.8	143.9	
01-8	Hay, hayseeds, and oilseeds.....	149.9	140.4	140.1	
01-83	Oilseeds.....	144.7	128.0	127.6	
01-9	Other farm products.....	140.3	167.9	'N.A.'	
02-1	Cereal and bakery products.....	160.2	159.3	158.4	
02-2	Meats, poultry, and fish.....	118.0	120.5	121.2	
02-22	Processed poultry.....	123.1	123.1	122.4	
02-5	Sugar and confectionery.....	137.8	138.2	138.2	
02-6	Beverages and beverage materials.....	134.3	135.4	135.2	
02-63	Packaged beverage materials.....	126.0	125.7	126.0	
02-7	Fats and oils.....	132.3	128.2	125.7	
03-81	Apparel.....	125.1	125.5	125.2	
04-4	Other leather and related products.....	141.5	141.1	141.1	
05-3	Gas fuels 2/.....	83.2	78.9	95.2	
05-4	Electric power.....	137.0	131.5	128.6	
05-7	Refined petroleum products.....	69.0	74.2	74.5	
06-3	Drugs and pharmaceuticals.....	215.4	215.2	215.3	
06-5	Agricultural chemicals and products.....	129.9	131.7	133.1	
06-7	Other chemicals and allied products.....	132.5	132.3	132.8	
07-1	Rubber and rubber products.....	116.1	115.9	116.1	
07-11	Rubber, except natural rubber.....	121.4	121.1	121.1	
07-13	Miscellaneous rubber products.....	136.6	136.7	136.9	
07-2	Plastic products.....	130.8	130.9	130.7	
08-1	Lumber.....	181.0	183.3	190.7	
09-1	Pulp, paper, and products, excluding building paper and board.....	146.6	145.3	145.1	
09-15	Converted paper and paperboard products.....	151.7	150.4	150.4	
10-1	Iron and steel.....	125.8	125.7	124.6	
10-2	Nonferrous metals.....	133.9	130.4	131.1	
10-25	Nonferrous mill shapes.....	142.8	139.4	138.6	
11-3	Metalworking machinery and equipment.....	143.3	143.7	143.7	
11-4	General purpose machinery and equipment.....	142.6	142.7	143.2	
11-6	Special industry machinery.....	153.4	153.8	154.0	
11-7	Electrical machinery and equipment.....	123.1	123.1	122.7	
11-9	Miscellaneous machinery and equipment.....	129.5	129.5	129.9	
12-6	Other household durable goods.....	148.4	148.4	148.5	
13-2	Concrete ingredients.....	139.4	139.4	139.7	
14-1	Motor vehicles and equipment.....	133.5	135.0	135.0	
15-1	Toys, sporting goods, small arms, etc.....	130.5	131.1	131.0	
15-4	Photographic equipment and supplies.....	119.9	118.6	118.6	
15-9	Other miscellaneous products.....	132.7	133.0	132.9	

1/ Data for July 1996 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.

1

1Table #4 Producer price indexes for the net output of major industry groups, not seasonally adjusted

Industry code	Industry 1/	Index base	Index			Percent change to Nov. 1996 from: ___	
			July	Oct.	Nov.	Nov.	Oct.
			1996 2/	1996 2/	1996 2/	1995	1996
	Total mining industries.....	12/84	81.0	82.8	88.4	25.4	6.8
10	Metal mining.....	12/84	89.2	87.0	88.1	-11.9	1.3
12	Coal mining.....	12/85	90.5	91.4	91.5	.1	.1
13	Oil and gas extraction.....	12/85	80.7	83.2	90.6	37.3	8.9
14	Mining and quarrying of non-metallic minerals, except fuels.....	12/84	127.2	126.9	127.2	2.3	.2
	Total manufacturing industries.....	12/84	127.1	128.2	128.0	2.3	-.2
20	Food and kindred products.....	12/84	128.3	129.8	128.7	4.0	-.8
21	Tobacco manufactures.....	12/84	201.1	201.1	201.1	3.1	0
22	Textile mill products.....	12/84	118.3	118.6	118.4	1.0	-.2
23	Apparel and other finished products made from fabrics and similar materials.....	12/84	122.6	123.0	123.1	2.0	.1
24	Lumber and wood products, except furniture..	12/84	153.3	154.9	156.2	2.7	.8
25	Furniture and fixtures.....	12/84	136.2	136.6	137.0	1.6	.3
26	Paper and allied products.....	12/84	136.3	134.9	134.7	-10.7	-.1
27	Printing, publishing, and allied industries.	12/84	165.2	166.1	166.0	2.1	-.1
28	Chemicals and allied products.....	12/84	145.9	146.9	146.8	1.5	-.1
29	Petroleum refining and related products.....	12/84	86.3	92.0	92.4	25.9	.4
30	Rubber and miscellaneous plastic products...	12/84	123.2	123.4	123.3	-.2	-.1
31	Leather and leather products.....	12/84	134.1	134.0	135.1	.5	.8
32	Stone, clay, glass, and concrete products...	12/84	125.8	126.3	126.7	1.4	.3
33	Primary metal industries.....	12/84	123.2	122.8	122.8	-3.4	0
34	Fabricated metal products, except machinery and transportation equipment.....	12/84	126.2	126.4	126.5	.6	.1
35	Machinery, except electrical.....	12/84	119.1	118.9	118.9	-.3	0
36	Electrical and electronic machinery, equipment, and supplies.....	12/84	113.0	113.0	113.1	-.4	.1
37	Transportation equipment.....	12/84	133.8	135.3	135.3	.7	0

38	Measuring and controlling instruments; photographic, medical, optical goods; watches, clocks.....	12/84	125.2	124.9	124.2	-.8	-.6
39	Miscellaneous manufacturing industries.....	12/85	127.9	128.4	128.3	1.4	-.1
	Services industries						
42	Motor freight transportation and warehousing	06/93	106.2	107.5	107.6	2.6	.1
43	United states postal service.....	06/89	132.3	132.3	132.3	0	0
44	Water transportation.....	12/92	103.0	104.0	104.2	.5	.2
45	Transportation by air.....	12/92	122.5	122.5	122.8	4.1	.2
46	Pipe lines, except natural gas.....	12/86	104.0	103.9	103.9	-6.1	0
80	Health services.....	12/94	104.6	105.1	105.2	1.7	.1

01/ Indexes in this table are derived from the net-output-weighted industry price indexes shown in table 5.

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 shown in table 6.

2/ The indexes for July 1996 have been recalculated to incorporate late reports and corrections by respondents.

All indexes are subject to revision four months after original publication.

3/ Not available.

Technical Notes

Brief Explanation of Producer Price Indexes

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

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

composition. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products (table 4).

Within the stage-of-processing system, finished goods are commodities that will not undergo further processing and are ready for sale to the final demand user, either an individual consumer or business firm. Consumer foods include unprocessed foods such as eggs and fresh vegetables, as well as processed foods such as bakery products and meats. Other finished consumer goods include durable goods such as automobiles, household furniture, and appliances, and nondurable goods such as apparel and home heating oil. Capital equipment includes producer durable goods such as heavy motor trucks, tractors, and machine tools.

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

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

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

Producer price indexes are based on selling prices reported by establishments of all sizes selected by probability sampling, with the probability of selection proportionate to size. Individual items and transaction terms from these firms are also chosen by probability proportionate to size. BLS strongly encourages cooperating companies to supply actual transaction prices at the time of

shipment to minimize the use of list prices. Prices are normally reported by mail questionnaire for the Tuesday of the week containing the 13th.

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

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

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

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

industries and their products.

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

Calculating Index Changes

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

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

Index Point Change

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

Index Percent Change

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

Each index measures price changes from a reference period which equals 100.0 (1982 or some later month). An increase of 5.5 percent from the reference period in the Finished Goods Price Index, for example, is shown as 105.5. This change can also be expressed in dollars as follows:

"Prices received by domestic producers of a systematic sample of finished goods have risen from \$100 in 1982 to \$105.50 to-day." Likewise, a current index of 90.0 would indicate that prices received by producers of finished goods today are 10 percent lower than they were in 1982.

Seasonally Adjusted and Unadjusted Data

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

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

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

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