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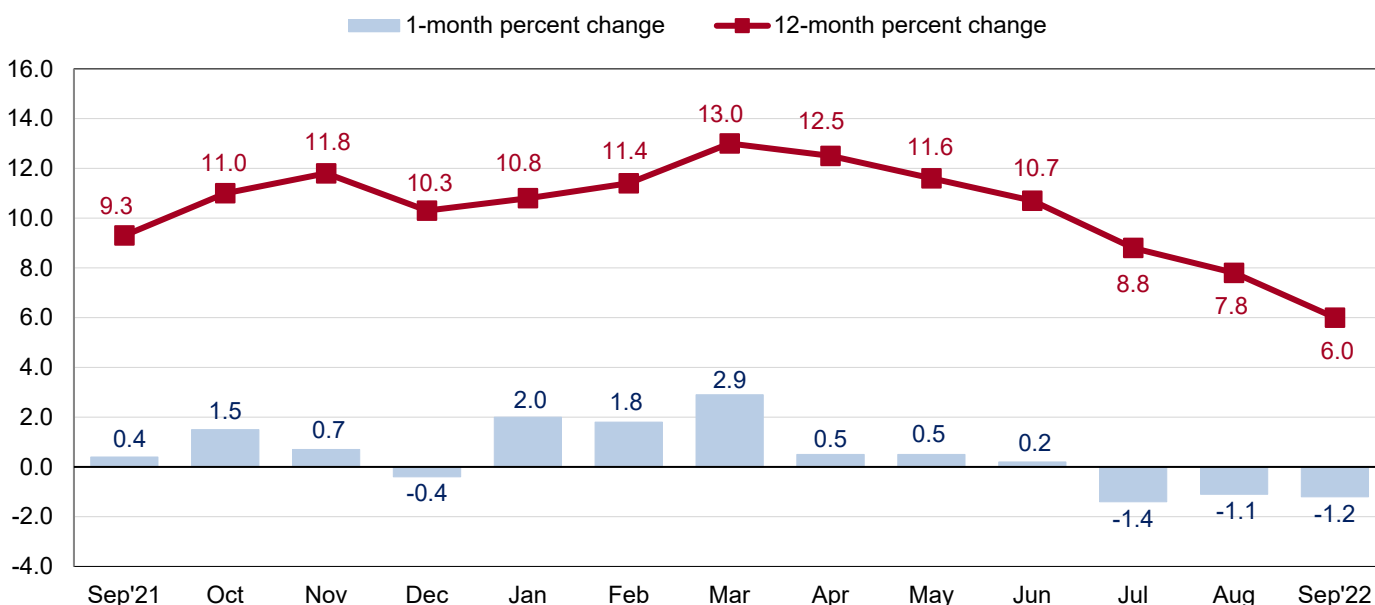
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U.S. IMPORT AND EXPORT PRICE INDEXES – SEPTEMBER 2022

U.S. import prices decreased 1.2 percent in September, after declining 1.1 percent the previous month, the U.S. Bureau of Labor Statistics reported today. Lower fuel and nonfuel prices in September contributed to the drop in U.S. import prices. Prices for U.S. exports fell 0.8 percent in September following a 1.7-percent decline in August.

Chart 1. One-month and 12-month percent changes in the Import Price Index: September 2021 – September 2022



Imports

The price index for U.S. imports decreased 1.2 percent in September and 3.7 percent in the third quarter of 2022. The quarterly drop was the largest 3-month decline since the index fell 4.3 percent for the 3 months ended May 2020. Prices for U.S. imports rose 6.0 percent over the past year, the smallest 12-month advance since the index rose 3.0 percent for the year ended February 2021. (See table 1.)

Fuel Imports: Prices for import fuel fell 7.5 percent for the second consecutive month in September. Those were the largest 1-month declines since the index decreased 7.7 percent in December 2021. Despite the recent declines, import fuel prices rose 32.3 percent from September 2021 to September 2022. Lower prices in September for petroleum and natural gas contributed to the overall drop in import fuel prices. Petroleum prices decreased 7.5 percent in September, after declining 8.3 percent in August. The price index for natural gas fell 10.5 percent in September following a 3.5-percent advance the previous month. Petroleum prices rose 31.5 percent for the year ended in September and natural gas prices advanced 49.1 percent over the same period.

All Imports Excluding Fuel: Nonfuel import prices decreased 0.4 percent in September, after declining 0.2 percent the previous month. Prices for nonfuel imports have not advanced on a monthly basis since a 0.4-percent increase in April 2022. Lower prices in September for nonfuel industrial supplies and materials more than offset higher prices for foods, feeds, and beverages. Despite the recent drops, nonfuel import prices rose 3.4 percent for the year ended in September.

Foods, Feeds, and Beverages: Prices for foods, feeds, and beverages advanced 0.2 percent in September, the first 1-month increase since a 0.9-percent rise in April 2022. A 12.2-percent advance in vegetable prices in September more than offset a 6.9-percent decline in fruit prices.

Nonfuel Industrial Supplies and Materials: The price index for nonfuel industrial supplies and materials fell 1.9 percent in September following a 0.4-percent drop in August. The September decrease was led by lower prices for unfinished metals, chemicals, finished metals, and selected building materials.

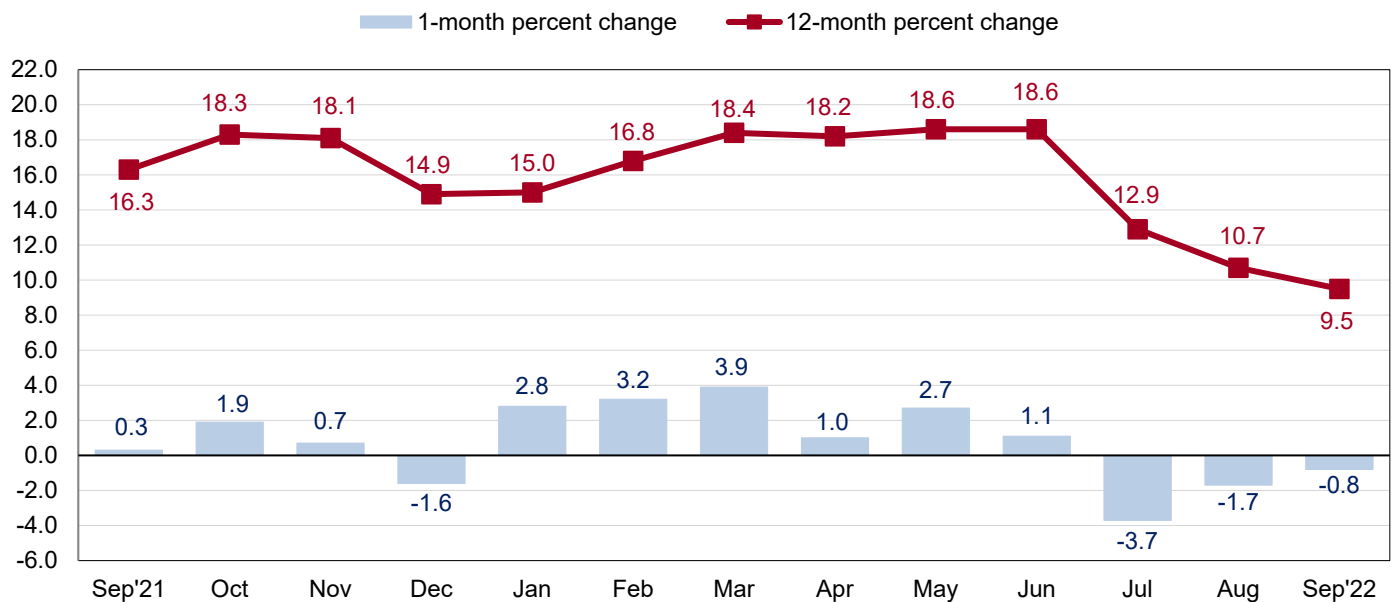
Finished Goods: Each of the major finished goods categories was unchanged in September. Capital goods prices were unchanged following a 0.1-percent decrease in August. The price index for consumer goods was unchanged in September, after ticking up 0.1 percent the previous month. Consumer goods prices have not recorded a monthly drop since June 2022. Prices for automotive vehicles were unchanged in September following a revised 0.3-percent drop the previous month. The August decline was the first 1-month decrease since November 2020 and the largest monthly drop since January 2019.

Table A. Percent change in Import and Export Price Indexes, selected categories

Month	IMPORTS			EXPORTS		
	All imports	Fuel imports	Nonfuel imports	All exports	Agricultural exports	Non-agricultural exports
2021						
September.....	0.4	3.6	0.1	0.3	-1.5	0.5
October.....	1.5	11.1	0.5	1.9	1.1	2.0
November.....	0.7	2.5	0.6	0.7	1.1	0.6
December.....	-0.4	-7.7	0.5	-1.6	0.7	-1.9
2022						
January.....	2.0	7.3	1.4	2.8	3.0	2.8
February.....	1.8	10.6	0.8	3.2	2.9	3.3
March.....	2.9	17.8	1.2	3.9	4.5	3.8
April.....	0.5	0.8	0.4	1.0	1.2	1.1
May.....	0.5	6.1	-0.3	2.7	2.4	2.7
June.....	0.2	5.6 ^r	-0.6	1.1 ^r	0.0 ^r	1.2
July.....	-1.4 ^r	-6.8 ^r	-0.5	-3.7	-3.2	-3.8
August.....	-1.1 ^r	-7.5 ^r	-0.2	-1.7 ^r	-0.5 ^r	-1.8
September.....	-1.2	-7.5	-0.4	-0.8	-1.0	-0.9
Sep. 2020 to 2021.....	9.3	69.8	5.1	16.3	27.6	15.1
Sep. 2021 to 2022.....	6.0	32.3	3.4	9.5	12.6	9.2

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Chart 2. One-month and 12-month percent changes in the Export Price Index: September 2021 – September 2022



Exports

U.S. export prices declined 0.8 percent in September and 6.2 percent in the third quarter of 2022. The quarterly drop was the largest 3-month decrease since the index fell 7.3 percent from September to December 2008. Lower agricultural and nonagricultural prices each contributed to the September decline. Prices for U.S. exports rose 9.5 percent over the past year, the smallest 12-month advance since a 5.4-percent increase in February 2021. (See table 2.)

Agricultural Exports: The price index for agricultural exports decreased 1.0 percent in September, after falling 0.5 percent the previous month. Lower prices for soybeans, fruit, meat, and nuts led the September decline. Agricultural export prices increased 12.6 percent over the past 12 months and have not decreased on an over-the-year basis since the index fell 2.9 percent from August 2019 to August 2020.

All Exports Excluding Agriculture: Nonagricultural prices declined 0.9 percent in September following drops of 1.8 percent in August and 3.8 percent in July. Lower prices in September for nonagricultural industrial supplies and materials and consumer goods more than offset higher prices for capital goods, nonagricultural foods, and automotive vehicles. Despite the recent decreases, prices for nonagricultural exports increased 9.2 percent over the past 12 months.

Nonagricultural Industrial Supplies and Materials: Prices for nonagricultural industrial supplies and materials exports fell 1.8 percent in September following a 3.8-percent decline in August. Lower prices for chemicals, fuels, and nonferrous metals all contributed to the September decrease.

Finished Goods: Prices were mixed for the major finished goods categories in September. The price indexes for capital goods and automotive vehicles each increased 0.2 percent. The advance in capital goods prices was led by higher computer prices. The rise in automotive vehicles prices was driven by higher parts prices. In contrast, prices for consumer goods exports declined 0.3 percent in September, the first monthly decrease since May 2022.

More information for the major import and export price indexes can be found at www.bls.gov/web/ximpim/largest.htm.

Measures of Import and Export Prices by Locality

Imports by Locality of Origin: Prices for imports from China ticked up 0.1 percent in September, after edging down 0.1 percent in each of the previous 2 months. The September advance was the first increase since April 2022. The price index for imports from China increased 2.0 percent over the past year. Import prices from Japan rose 0.1 percent in September following declines of 0.1 percent in August and 0.2 percent in July. Prices for imports from Japan advanced 1.2 percent for the year ended in September. In contrast, import prices from Canada fell 3.6 percent in September, after decreasing 3.3 percent the previous month. Despite the declines, prices for imports from Canada rose 16.3 percent over the past 12 months. The price indexes for imports from the European Union and Mexico also fell in September, decreasing 0.5 percent and 0.1 percent, respectively. (See table 7.)

Exports by Locality of Destination: Export prices to China fell 2.2 percent in September following declines of 1.7 percent in August and 4.6 percent in July. Despite declining 8.3 percent in the third quarter of 2022, prices for exports to China advanced 5.2 percent for the year ended in September. The price index for exports to Japan decreased 2.0 percent in September, after a 2.2-percent drop the previous month. Export prices to Japan have not recorded a monthly increase since May. Prices for exports to Japan rose 7.2 percent over the past 12 months. The price index for exports to Canada fell 1.1 percent in September following a 0.2-percent drop in August. Export prices to Canada advanced 8.8 percent over the past year, the smallest 12-month increase since February 2021. Prices for exports to the European Union and Mexico also declined in September, decreasing 1.3 percent and 1.4 percent, respectively. (See table 8.)

Terms of Trade Indexes: Terms of trade indexes are based on country, region, or grouping and measure the change in the purchasing power of exports relative to imports. U.S. terms of trade with China fell 2.3 percent in September and 8.2 percent in the third quarter of 2022. Lower export prices to China and higher import prices from China both contributed to the September drop in U.S. terms of trade with China. Despite the recent decreases, U.S. terms of trade with China increased 3.3 percent over the past year. The index for U.S. terms of trade with Japan fell 2.2 percent in September, after declining 2.1 percent the previous month. In contrast, the index for U.S. terms of trade with Canada rose 2.6 percent in September following 3.3-percent advances in August and July. U.S. terms of trade with the European Union and Mexico fell in September, down 0.8 percent and 1.2 percent, respectively. (See table 9.)

Import and Export Services

Imports: Import air passenger fares rose 4.7 percent in September following a 9.9-percent decrease the previous month. The September increase was driven by a 15.2-percent advance in European fares which rebounded from a 14.4-percent drop in August. The index for import air passenger fares increased 7.1 percent from September 2021 to September 2022. Import air freight prices declined 0.5 percent in September, after advancing 3.4 percent in August. Lower Asian air freight prices in September more than offset higher European air freight prices. Prices for import air freight decreased 5.6 percent for the year ended in September. (See table 10.)

Exports: Export air passenger fares declined 3.7 percent in September following a 2.4-percent drop in August. The September decrease was the largest 1-month decline since the index fell 11.2 percent in February. The index for export air passenger fares advanced 13.8 percent over the past year. Export air freight prices decreased 3.7 percent in September, after a 0.4-percent drop the previous month. The September decline was the largest monthly drop since the index fell 6.7 percent in October 2020. Prices for export air freight rose 16.6 percent over the past 12 months.

U.S. Import and Export Price Index data for October 2022 are scheduled for release on Wednesday, November 16, 2022 at 8:30 a.m. (ET).

Table 1. U.S. import price indexes and percent changes for selected categories of goods: September 2021 to September 2022

[2000=100, unless otherwise noted]

Description	End Use	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
All commodities		100.000	144.8	143.0	6.0	0.2	-1.4	-1.1	-1.2
All imports excluding food and fuels (Dec. 2010=100)		81.266	109.2	108.7	3.3	-0.6	-0.5	-0.1	-0.5
All imports excluding petroleum		88.912	124.9	124.3	3.7	-0.6	-0.6	-0.2	-0.5
All imports excluding fuels (Dec. 2001=100)		88.004	128.3	127.8	3.4	-0.6	-0.5	-0.2	-0.4
Foods, feeds, & beverages	0	6.737	204.8	205.2	3.4	-0.7	-1.0	-1.5	0.2
Agricultural foods, feeds & beverages, excluding distilled beverages.....	00	5.386	223.5	223.7	4.4	0.0	-0.7	-1.5	0.1
Nonagricultural foods (fish, distilled beverages).....	01	1.352	161.9	163.1	-0.5	-2.9	-2.5	-1.2	0.7
Industrial supplies & materials	1	30.496	282.3	270.8	15.4	0.9	-4.4	-3.3	-4.1
Industrial supplies & materials excluding petroleum.....		19.367	221.2	216.4	8.7	-1.7	-3.4	-0.2	-2.2
Industrial supplies & materials excluding fuels (Dec. 2001=100).....		18.223	242.2	237.7	7.1	-2.3	-2.5	-0.4	-1.9
Industrial supplies & materials, durable....		12.230	231.6	226.5	3.8	-3.5	-4.0	-0.1	-2.2
Industrial supplies & materials nondurable excluding petroleum.....		7.178	209.4	205.1	17.2	1.6	-2.4	-0.4	-2.1
Fuels & lubricants.....	10	11.996	371.5	343.5	32.3	5.6	-6.8	-7.5	-7.5
Petroleum & petroleum products.....	100	11.088	393.1	363.5	31.5	5.4	-6.1	-8.3	-7.5
Crude petroleum.....	10000	7.356	390.3	355.3	24.3	5.9	-9.6	-8.8	-9.0
Fuels, n.e.s.-coals & gas.....	101	0.791	317.5	289.4	45.6	10.1	-17.7	2.8	-8.9
Natural gas.....	10110	0.662	314.7	281.8	49.1	11.1	-20.4	3.5	-10.5
Paper & paper base stocks.....	11	0.557	148.3	152.5	19.1	3.8	6.4	1.8	2.8
Materials associated with nondurable supplies & materials.....	12	5.712	219.2	216.0	13.3	-0.2	-0.2	-1.2	-1.5
Selected building materials.....	13	1.922	209.2	204.3	20.8	-6.7	-2.4	-1.9	-2.3
Unfinished metals related to durable goods.....	14	5.282	353.6	343.5	-3.0	-4.4	-6.8	-0.5	-2.9
Finished metals related to durable goods.....	15	3.278	213.6	209.3	3.9	-2.0	-2.3	1.7	-2.0
Nonmetals related to durable goods.....	16	1.749	129.2	128.6	6.8	0.7	0.4	-0.2	-0.5
Capital goods	2	25.472	92.9	92.9	3.2	0.0	0.1	-0.1	0.0
Electric generating equipment.....	20	3.216	129.6	130.4	6.6	0.2	0.4	0.2	0.6
Nonelectrical machinery.....	21	20.655	84.1	84.0	2.7	0.0	0.0	-0.1	-0.1
Transportation equipment excluding motor vehicles (Dec. 2001=100).....	22	1.601	144.3	144.9	4.3	0.3	0.3	0.2	0.4
Automotive vehicles, parts & engines	3	12.365	116.4	116.4	2.9	0.2	0.5	-0.3	0.0
Consumer goods, excluding automotives	4	24.929	110.3	110.3	1.7	-0.4	0.2	0.1	0.0
Nondurables, manufactured.....	40	12.611	125.0	125.1	0.4	-0.2	-0.2	0.3	0.1
Durables, manufactured.....	41	11.598	95.9	95.7	2.6	-0.4	0.5	0.1	-0.2
Nonmanufactured consumer goods.....	42	0.720	130.9	130.1	7.5	-2.2	-0.3	-0.7	-0.6

¹ Relative importance figures are based on 2020 trade values.

NOTES: Data may be revised in each of the 3 months after original publication.

Dash = Not available

Table 2. U.S. export price indexes and percent changes for selected categories of goods: September 2021 to September 2022

[2000=100, unless otherwise noted]

Description	End Use	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
All commodities.....		100.000	157.7	156.4	9.5	1.1	-3.7	-1.7	-0.8
Agricultural commodities.....		12.292	255.4	252.9	12.6	0.0	-3.2	-0.5	-1.0
All exports excluding food and fuels (Dec. 2010=100).....		67.469	115.0	114.3	3.5	-0.3	-0.2	-0.6	-0.6
All exports excluding fuels (June 2022=100).....		78.644	99.5	99.0	-	-	-0.2	-0.3	-0.5
Nonagricultural commodities.....		87.708	150.4	149.1	9.2	1.2	-3.8	-1.8	-0.9
Foods, feeds, & beverages.....	0	11.175	257.0	254.4	11.0	-0.4	-3.1	-0.5	-1.0
Agricultural foods, feeds & beverages, excluding distilled beverages.....	00	10.747	258.9	255.9	11.6	0.0	-3.2	-0.5	-1.2
Nonagricultural foods (fish, distilled beverages).....	01	0.428	221.1	227.1	-1.5	-9.1	-1.6	-0.5	2.7
Industrial supplies & materials.....	1	43.748	232.8	228.7	15.1	2.3	-7.6	-3.7	-1.8
Industrial supplies & materials, durable....		10.054	214.1	212.5	0.7	-2.5	-4.3	-0.1	-0.7
Industrial supplies & materials, nondurable.....		33.694	235.4	230.5	20.3	3.7	-8.5	-4.8	-2.1
Agricultural industrial supplies & materials.....	10	1.519	242.4	243.4	19.0	0.2	-3.3	-0.4	0.4
Nonagricultural industrial supplies & materials.....		42.228	232.6	228.3	15.0	2.4	-7.8	-3.8	-1.8
Fuels & lubricants.....	11	21.356	313.0	308.1	32.8	5.5	-13.2	-5.6	-1.6
Nonagricultural supplies & materials excluding fuels & building materials....	12	19.983	205.3	201.1	0.9	-1.1	-1.4	-1.9	-2.0
Selected building materials.....	13	0.889	165.1	158.7	2.5	-0.5	0.3	-3.6	-3.9
Capital goods.....	2	27.710	118.9	119.1	4.1	0.0	0.5	-0.1	0.2
Electrical generating equipment.....	20	3.105	133.2	133.5	7.4	0.1	1.1	0.2	0.2
Nonelectrical machinery.....	21	20.089	100.6	100.8	4.0	0.0	0.4	-0.2	0.2
Transportation equipment excluding motor vehicles (Dec. 2001=100).....	22	4.516	197.6	198.0	3.4	0.1	0.8	0.2	0.2
Automotive vehicles, parts & engines.....	3	7.353	121.7	121.9	5.2	0.2	0.7	0.1	0.2
Consumer goods, excluding automotives.....	4	10.015	116.8	116.4	3.9	0.0	0.0	0.3	-0.3
Nondurables, manufactured.....	40	5.219	109.2	109.0	-0.2	-0.3	-0.5	-0.2	-0.2
Durables, manufactured.....	41	3.849	115.1	115.3	5.8	0.4	0.9	0.2	0.2
Nonmanufactured consumer goods (Dec. 2018=100).....	42	0.947	129.5	124.6	21.3	0.0	-0.2	2.7	-3.8

¹ Relative importance figures are based on 2020 trade values.

NOTES: Data may be revised in each of the 3 months after original publication.

Dash = Not available

Table 3. U.S. import price indexes and percent changes for selected industries: September 2021 to September 2022

[December 2005=100, unless otherwise noted]

Description	NAICS	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Nonmanufacturing.....		10.497	177.1	164.6	19.8	4.4	-8.3	-6.8	-7.1
Agriculture, forestry, fishing and hunting.....	11	2.131	206.3	206.8	2.1	-3.0	0.2	-3.6	0.2
Crop production.....	111	1.739	216.7	216.6	1.5	-1.9	0.3	-4.3	0.0
Mining.....	21	8.366	183.8	167.5	25.8	6.1	-10.2	-7.6	-8.9
Oil and gas extraction.....	211	8.100	183.9	167.2	26.5	6.2	-10.4	-7.8	-9.1
Manufacturing.....		89.201	124.6	123.9	4.8	-0.3	-0.3	-0.5	-0.6
Manufacturing, part 1.....	31	10.988	137.7	138.0	3.8	0.1	-0.4	-0.1	0.2
Food manufacturing.....	311	4.079	185.1	185.7	6.2	0.6	-1.3	-0.6	0.3
Beverage and tobacco product manufacturing.....	312	1.067	134.4	134.5	1.4	0.0	0.1	-0.1	0.1
Textile mills (Dec. 2011=100).....	313	0.401	126.7	125.5	14.9	-0.3	0.1	0.1	-0.9
Textile product mills.....	314	1.421	109.2	109.6	-1.8	-0.9	-0.3	-0.7	0.4
Apparel manufacturing.....	315	2.877	118.7	119.0	4.5	0.3	0.3	1.1	0.3
Leather and allied product manufacturing.....	316	1.143	127.8	128.1	0.4	-0.2	0.3	0.0	0.2
Manufacturing, part 2.....	32	21.220	156.3	154.2	11.8	-0.1	0.3	-1.9	-1.3
Wood product manufacturing (Dec. 2019=100).....	321	1.166	170.8	163.2	26.8	-12.8	-3.6	-3.4	-4.4
Paper manufacturing.....	322	1.010	127.8	129.8	9.2	2.2	3.2	0.9	1.6
Petroleum and coal products manufacturing.....	324	3.408	184.4	178.2	53.0	4.2	1.7	-6.9	-3.4
Chemical manufacturing.....	325	12.081	159.8	158.0	4.9	-0.1	-0.1	-1.1	-1.1
Plastics and rubber products manufacturing.....	326	2.470	133.5	133.9	4.9	0.3	0.5	-0.1	0.3
Nonmetallic mineral product manufacturing.....	327	0.919	142.2	141.6	5.3	0.2	0.4	0.0	-0.4
Manufacturing, part 3.....	33	56.992	112.7	112.3	2.7	-0.5	-0.4	-0.1	-0.4
Primary metal manufacturing.....	331	6.900	235.0	228.1	-0.7	-3.2	-6.1	0.8	-2.9
Fabricated metal product manufacturing... ..	332	3.168	152.1	151.3	6.1	-1.4	0.9	-0.3	-0.5
Machinery manufacturing.....	333	6.725	127.9	127.8	4.0	-0.1	0.6	0.2	-0.1
Computer and electronic product manufacturing.....	334	15.515	73.8	73.7	0.8	0.0	-0.1	-0.1	-0.1
Electrical equipment, appliance, and component manufacturing.....	335	5.257	127.1	127.6	6.3	-0.1	0.3	-0.2	0.4
Transportation equipment manufacturing..	336	12.809	115.1	115.1	2.5	0.2	0.4	-0.2	0.0
Furniture and related product manufacturing.....	337	1.815	129.4	129.5	8.6	-0.6	1.8	0.8	0.1
Miscellaneous manufacturing.....	339	4.804	127.1	126.4	4.9	-0.2	0.6	-0.4	-0.6

¹ Relative importance figures are based on 2020 trade values.

NOTES: Data may be revised in each of the 3 months after original publication.

Dash = Not available

Table 4. U.S. export price indexes and percent changes for selected industries: September 2021 to September 2022

[December 2005=100, unless otherwise noted]

Description	NAICS	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Nonmanufacturing		20.001	226.3	222.5	22.9	3.8	-11.7	-0.8	-1.7
Agriculture, forestry, fishing and hunting	11	6.729	229.8	226.8	14.6	-0.7	-5.7	-1.0	-1.3
Crop production.....	111	6.409	245.0	241.9	16.4	-0.3	-6.0	-0.9	-1.3
Mining	21	13.271	148.2	145.5	27.6	6.1	-14.5	-0.7	-1.8
Oil and gas extraction (Dec. 2021=100)...	211	12.040	135.6	132.8	-	7.4	-15.1	0.8	-2.1
Mining (except oil and gas).....	212	1.231	143.3	143.7	17.1	-4.7	-8.4	-13.2	0.3
Manufacturing		78.384	137.4	136.5	7.4	0.4	-1.3	-1.9	-0.7
Manufacturing, part 1	31	6.990	178.4	176.9	8.3	-0.2	0.1	-0.1	-0.8
Food manufacturing.....	311	5.314	211.1	209.2	9.4	-0.4	0.1	0.0	-0.9
Beverage and tobacco product manufacturing.....	312	0.532	144.9	142.1	6.1	2.1	-0.6	-1.0	-1.9
Manufacturing, part 2	32	26.849	150.0	147.4	12.3	1.5	-3.8	-5.5	-1.7
Wood product manufacturing (Dec. 2017=100).....	321	0.479	134.1	126.2	-6.9	-0.3	-1.3	-5.0	-5.9
Paper manufacturing.....	322	1.628	156.6	156.8	15.7	3.1	2.5	1.6	0.1
Petroleum and coal products manufacturing.....	324	8.089	182.7	181.1	42.5	4.2	-12.5	-12.7	-0.9
Chemical manufacturing.....	325	13.817	142.5	138.9	1.1	-0.3	1.2	-2.7	-2.5
Plastics and rubber products manufacturing.....	326	1.995	131.7	130.4	5.9	0.8	0.4	0.5	-1.0
Nonmetallic mineral product manufacturing.....	327	0.692	134.7	134.7	8.5	-0.1	0.1	-0.3	0.0
Manufacturing, part 3	33	44.545	127.1	127.0	4.6	-0.2	0.1	0.2	-0.1
Primary metal manufacturing.....	331	4.106	214.5	211.9	-0.3	-3.2	-4.2	0.3	-1.2
Fabricated metal product manufacturing...	332	2.457	171.4	171.5	8.0	0.1	0.9	-0.1	0.1
Machinery manufacturing.....	333	7.947	143.4	143.6	6.8	0.1	0.9	0.3	0.1
Computer and electronic product manufacturing.....	334	11.596	84.8	84.9	2.2	0.0	0.1	-0.2	0.1
Electrical equipment, appliance, and component manufacturing.....	335	3.138	131.3	131.3	8.6	0.2	1.1	0.2	0.0
Transportation equipment manufacturing..	336	10.906	138.7	138.9	4.4	0.2	0.7	0.2	0.1
Miscellaneous manufacturing.....	339	4.087	134.2	133.2	7.6	0.1	0.6	0.8	-0.7

¹ Relative importance figures are based on 2020 trade values.

NOTES: Data may be revised in each of the 3 months after original publication.

Dash = Not available

Table 5. U.S. import price indexes and percent changes for selected categories of goods: September 2021 to September 2022

[2000=100, unless otherwise noted]

Description	Harmonized system	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Live animals; animal products.....	I	1.478	231.2	234.1	2.0	-3.2	-1.6	-1.2	1.3
Meat and edible meat offal.....	02	0.443	334.9	333.7	-2.2	-0.4	-0.1	-2.2	-0.4
Fish and crustaceans, molluscs and other aquatic invertebrates.....	03	0.739	156.9	159.6	0.6	-5.2	-3.1	-1.9	1.7
Vegetable products.....	II	2.154	242.3	243.5	4.8	-1.2	-0.3	-3.1	0.5
Edible vegetables, roots, and tubers.....	07	0.443	448.2	501.2	18.3	-5.5	4.8	2.1	11.8
Edible fruit and nuts; peel of citrus fruit or melons.....	08	0.751	115.7	106.9	-12.9	-1.3	-1.3	-8.3	-7.6
Coffee, tea, mate and spices.....	09	0.444	320.5	324.5	21.5	1.1	-1.8	1.6	1.2
Animal or vegetable fats and oils (Dec. 2009=100).....	III	0.424	151.2	150.6	2.6	1.6	-6.0	0.3	-0.4
Prepared foodstuffs, beverages, and tobacco.....	IV	3.161	187.3	187.6	5.6	0.8	0.2	-0.1	0.2
Sugars and sugar confectionary (Dec. 2021=100).....	17	0.215	107.9	106.3	-	1.0	2.3	0.4	-1.5
Cocoa and cocoa preparations (Dec. 2009=100).....	18	0.196	102.2	102.5	2.2	-0.6	0.7	-0.2	0.3
Beverages, spirits, and vinegar.....	22	1.043	147.5	147.7	1.4	-0.1	-0.1	-0.1	0.1
Mineral products.....	V	11.926	378.2	351.4	33.2	5.5	-7.3	-7.1	-7.1
Mineral fuels, oils and residuals, bituminous substances and mineral waxes.....	27	11.558	372.8	345.7	34.1	5.6	-7.4	-7.3	-7.3
Products of the chemical or allied industries.....	VI	11.228	178.2	176.6	4.8	0.1	0.1	-0.9	-0.9
Inorganic chemicals.....	28	0.745	536.9	537.2	27.2	0.7	-1.9	-1.8	0.1
Organic chemicals.....	29	2.627	151.0	146.3	2.9	1.3	1.6	-3.5	-3.1
Pharmaceutical products.....	30	5.148	148.1	148.0	-2.1	-0.1	-0.3	-0.1	-0.1
Miscellaneous chemical products.....	38	0.812	118.5	118.5	3.5	0.0	0.7	-0.3	0.0
Plastics and articles thereof; rubber and articles thereof.....	VII	3.748	161.4	160.3	2.4	0.2	0.4	-0.9	-0.7
Plastics and articles thereof.....	39	2.613	165.2	163.1	1.2	0.1	0.4	-0.7	-1.3
Rubber and articles thereof.....	40	1.135	156.8	158.1	5.6	0.5	0.4	-1.6	0.8
Articles of leather; travel goods, bags, etc. of various materials.....	42	0.411	142.6	143.4	4.2	0.0	0.2	0.1	0.6
Wood, wood charcoal, cork, straw, basketware and wickerwork.....	IX	1.229	256.9	246.9	30.4	-11.6	-3.9	-3.5	-3.9
Wood and articles of wood; wood charcoal (Dec. 2019=100).....	44	1.207	180.0	172.9	31.8	-11.8	-4.1	-3.5	-3.9
Woodpulp, recovered paper, and paper products.....	X	0.992	135.0	137.2	10.0	2.3	3.1	0.5	1.6
Paper and paperboard; articles of paper pulp, paper or paperboard.....	48	0.651	122.6	124.5	12.5	1.3	1.5	0.2	1.5
Textile and textile articles.....	XI	4.544	120.6	120.9	3.3	-0.1	0.0	0.4	0.2
Articles of apparel and clothing accessories, not knitted or crocheted.....	62	1.260	126.3	126.3	2.7	0.3	0.2	-0.1	0.0
Made-up or worn textile articles.....	63	1.162	102.5	103.0	-2.4	-0.9	-0.3	-1.1	0.5
Headgear, umbrellas, artificial flowers, etc.....	XII	0.997	126.7	126.8	0.0	-0.1	0.2	0.2	0.1
Footwear and parts of such articles.....	64	0.817	123.7	123.9	-0.8	-0.2	0.3	0.0	0.2
Stone, plaster, cement, asbestos, ceramics, glass etc.....	XIII	0.786	134.6	134.2	2.0	0.2	0.1	-0.1	-0.3

See footnotes at end of table.

Table 5. U.S. import price indexes and percent changes for selected categories of goods: September 2021 to September 2022 — Continued
 [2000=100, unless otherwise noted]

Description	Harmoni- zied system	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Articles of stone, plaster, cement, asbestos, or mica (Dec. 2020=100).....	68	0.292	102.2	101.7	3.2	1.0	0.0	0.2	-0.5
Glass and glassware (Dec. 2021=100).....	70	0.270	101.4	101.4	-	0.0	-0.3	-0.1	0.0
Pearls, stones, precious metals, imitation jewelry, and coins.....	XIV	4.500	232.1	223.3	-4.2	-2.0	-3.4	2.2	-3.8
Base metals and articles of base metals. ...	XV	5.952	241.3	239.3	7.4	-3.0	-3.7	-1.5	-0.8
Iron and steel.....	72	1.181	334.4	339.3	14.1	-3.6	-1.8	-2.9	1.5
Articles of iron or steel.....	73	1.855	207.2	205.5	12.2	-2.6	0.1	0.0	-0.8
Copper and articles thereof.....	74	0.431	350.1	349.4	-14.8	2.4	-17.2	1.3	-0.2
Aluminum and articles thereof.....	76	1.079	196.3	190.5	3.5	-5.7	-4.6	-2.3	-3.0
Tools, implements, cutlery, spoons and forks, of base metal; parts thereof.....	82	0.408	129.8	129.6	2.7	-0.4	-0.2	-0.2	-0.2
Miscellaneous articles of base metal.....	83	0.527	153.3	153.4	7.4	0.2	0.7	0.0	0.1
Machinery, electrical equipment, TV image and sound recorders, parts, etc.....	XVI	27.664	82.6	82.6	2.2	0.0	0.0	-0.1	0.0
Machinery and mechanical appliances; parts thereof.....	84	14.257	89.3	89.2	2.5	-0.2	0.3	-0.1	-0.1
Electrical machinery and equip, sound and TV recorders & reproducers, parts.....	85	13.407	76.3	76.3	1.7	0.0	-0.1	-0.3	0.0
Vehicles, aircraft, vessels and associated transport equipment.....	XVII	10.817	119.9	119.9	2.8	0.3	0.4	0.0	0.0
Motor vehicles and their parts.....	87	10.045	119.2	119.1	2.8	0.3	0.4	0.0	-0.1
Aircraft, spacecraft, and parts thereof (Dec. 2020=100).....	88	0.683	103.6	104.0	3.2	0.4	0.2	0.2	0.4
Optical, photo, measuring, medical & musical instruments; & timepieces.....	XVIII	3.698	105.2	105.4	3.2	-0.3	0.0	-0.1	0.2
Optical, photographic, measuring and medical instruments.....	90	3.493	101.2	101.4	3.3	-0.2	-0.1	-0.1	0.2
Miscellaneous manufactured articles.....	XX	4.180	119.9	119.9	5.5	-0.1	1.1	0.4	0.0
Furniture & stuffed furnishings; lamps & lighting fittings, nesoi; prefab bldgs.....	94	2.539	128.2	128.2	6.3	-0.6	1.4	0.6	0.0
Toys, games and sports equipment; parts and accessories thereof.....	95	1.387	106.4	106.5	4.3	0.8	0.8	-0.1	0.1
Miscellaneous manufactured articles.....	96	0.254	135.5	136.1	4.9	0.2	0.0	0.2	0.4

¹ Relative importance figures are based on 2020 trade values.

NOTES: Data may be revised in each of the 3 months after original publication.

Dash = Not available

Table 6. U.S. export price indexes and percent changes for selected categories of goods: September 2021 to September 2022

[2000=100, unless otherwise noted]

Description	Harmoni- zied system	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Live animals; animal products.....	I	2.268	284.1	280.1	2.9	-1.6	-0.6	-1.6	-1.4
Meat & edible meat offal (Dec. 2006=100)...	02	1.450	227.3	223.3	-1.5	-0.8	-1.1	-1.9	-1.8
Vegetable products.....	II	6.322	301.3	294.6	15.3	0.3	-5.1	-0.8	-2.2
Edible fruit and nuts; peel of citrus fruit or melons.....	08	0.874	136.9	129.9	-12.2	0.8	-3.3	-3.5	-5.1
Cereals.....	10	1.892	333.5	334.0	19.9	-3.3	-7.3	-3.8	0.1
Oilseeds and misc. grains, seeds, fruits, plants, straw and fodder.....	12	2.908	330.4	323.6	21.3	2.5	-6.0	1.3	-2.1
Prepared foodstuffs, beverages, and tobacco.....	IV	2.916	182.8	182.4	7.8	-1.2	0.6	0.3	-0.2
Miscellaneous edible preparations (Dec. 2017=100).....	21	0.574	108.7	108.3	4.4	-0.4	-0.9	2.3	-0.4
Beverages, spirits, and vinegar (Dec. 2008=100).....	22	0.448	108.3	108.3	-1.8	-0.2	-0.4	-0.1	0.0
Residues and waste from the food industries; prepared animal feed.....	23	0.894	322.4	321.2	15.1	-3.7	0.6	-1.4	-0.4
Mineral products.....	V	21.349	376.2	370.9	33.2	5.3	-13.7	-5.5	-1.4
Ores, slag and ash (Dec. 2012=100).....	26	0.504	127.9	128.3	0.9	-6.2	-15.9	3.3	0.3
Mineral fuels, oils and residuals, bituminous substances and mineral waxes.....	27	20.671	364.5	359.2	34.4	5.6	-13.7	-5.7	-1.5
Products of the chemical or allied industries.....	VI	11.398	166.3	162.3	5.2	0.1	2.2	-2.1	-2.4
Organic chemicals.....	29	2.743	198.7	180.6	0.1	2.4	2.0	-7.5	-9.1
Pharmaceutical products.....	30	2.996	105.8	106.1	-1.9	-0.6	-0.9	-0.1	0.3
Essential oils and resinoids; perfumery cosmetic or toilet preparations.....	33	0.772	140.8	141.0	3.9	-0.3	0.9	-0.2	0.1
Soap; lubricants; waxes, polishing or scouring products; candles, pastes.....	34	0.427	135.8	135.4	6.9	-0.4	3.4	-0.4	-0.3
Miscellaneous chemical products.....	38	2.120	187.1	183.3	-0.1	-1.1	0.6	-0.4	-2.0
Plastics and articles thereof; rubber and articles thereof.....	VII	4.901	169.6	166.4	-4.6	-0.2	-2.3	-2.0	-1.9
Plastics and articles thereof.....	39	4.199	169.2	165.3	-5.9	-0.2	-2.7	-2.1	-2.3
Rubber and articles thereof.....	40	0.701	166.9	167.5	3.6	0.3	0.7	-0.8	0.4
Wood, wood charcoal, cork, straw, baskets and wickerwork (Dec. 2014=100).....	IX	0.576	129.9	120.9	-7.1	-1.1	-1.1	-6.1	-6.9
Woodpulp, recovered paper, and paper products.....	X	1.865	159.3	159.3	9.0	2.9	0.3	1.5	0.0
Woodpulp and recovered paper (Dec. 2019=100).....	47	0.723	191.3	190.8	6.2	6.7	-2.4	4.2	-0.3
Paper and paperboard; articles of paper pulp, paper or paperboard.....	48	0.939	147.9	148.6	13.3	0.8	2.3	-0.1	0.5
Textile and textile articles.....	XI	1.689	154.8	156.2	17.0	-0.8	-2.4	0.0	0.9
Cotton, including yarns and woven fabrics thereof.....	52	0.700	199.4	205.4	37.8	-1.5	-5.9	0.1	3.0
Stone, plaster, cement, asbestos, ceramics, glass etc.....	XIII	0.665	147.3	147.5	11.0	0.1	0.1	-0.1	0.1
Glass and glassware (Dec. 2019=100).....	70	0.395	110.9	111.2	11.6	0.5	0.2	0.0	0.3
Pearls, stones, precious metals, imitation jewelry, and coins.....	XIV	3.813	321.3	313.7	-1.3	-3.0	-4.4	1.9	-2.4
Base metals and articles of base metals. ...	XV	4.324	207.9	210.2	4.2	-2.6	-4.7	-0.7	1.1
Iron and steel (Dec. 2020=100).....	72	1.163	157.1	164.5	6.0	-6.6	-10.5	0.8	4.7

See footnotes at end of table.

Table 6. U.S. export price indexes and percent changes for selected categories of goods: September 2021 to September 2022 — Continued
 [2000=100, unless otherwise noted]

Description	Harmoni- zied system	Relative importance Aug. 2022 ¹	Index		Percent change				
			Aug. 2022	Sep. 2022	Annual	Monthly			
					Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Copper and articles thereof.....	74	0.487	241.7	241.7	-10.6	3.0	-16.8	-0.1	0.0
Aluminum and articles thereof.....	76	0.750	144.8	144.1	0.5	-6.4	-1.6	-4.7	-0.5
Machinery, electrical equipment, TV image and sound recorders, parts, etc.....	XVI	23.012	104.6	104.8	4.7	0.1	0.5	0.0	0.2
Machinery and mechanical appliances; parts thereof.....	84	13.307	125.3	125.7	5.4	0.2	0.7	-0.4	0.3
Electrical machinery and equipment and parts and accessories thereof.....	85	9.705	82.4	82.5	3.8	0.1	0.1	0.4	0.1
Vehicles, aircraft, vessels and associated transport equipment.....	XVII	8.071	147.8	148.0	4.6	0.2	0.5	0.2	0.1
Motor vehicles and their parts.....	87	6.061	124.3	124.4	4.5	0.2	0.6	0.2	0.1
Optical, photo, measuring, medical & musical instruments; & timepieces.....	XVIII	5.022	114.4	114.4	2.6	0.0	0.6	-0.3	0.0
Miscellaneous manufactured articles.....	XX	1.083	132.0	132.1	10.2	0.3	2.1	0.2	0.1
Furniture; stuffed furnishings; lamps and lighting fittings nesoi.....	94	0.568	150.5	150.5	8.1	0.0	0.2	0.0	0.0
Toys, games and sports equipment; parts and accessories thereof.....	95	0.369	107.3	107.6	14.5	1.1	6.0	0.6	0.3

¹ Relative importance figures are based on 2020 trade values.

NOTES: Data may be revised in each of the 3 months after original publication.

Dash = Not available

Table 7. U.S. import price indexes and percent changes by locality of origin: September 2021 to September 2022

[2000=100, unless otherwise noted]

Description	Relative importance Aug. 2022 ¹	Index		Percent change				
		Aug. 2022	Sep. 2022	Annual Sep. 2021 to Sep. 2022	Monthly			
					May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Industrialized Countries²	100.000	151.8	149.2	7.7	0.4	-2.5	-1.3	-1.7
Nonmanufacturing.....	14.151	320.6	293.9	23.6	5.1	-10.5	-6.7	-8.3
Manufacturing.....	85.171	138.7	137.6	5.8	-0.3	-0.7	-0.3	-0.8
Canada	100.000	200.1	192.9	16.3	1.0	-5.4	-3.3	-3.6
Nonmanufacturing.....	36.175	320.0	292.6	24.5	5.4	-11.0	-6.8	-8.6
Manufacturing.....	62.954	171.2	169.3	12.7	-1.6	-1.3	-1.2	-1.1
European Union	100.000	154.4	153.6	4.6	1.2	-0.1	-0.4	-0.5
Manufacturing.....	98.891	149.9	149.1	4.6	1.2	0.1	-0.3	-0.5
France (Dec. 2003=100)	100.000	142.2	142.4	4.2	1.8	-1.8	-0.4	0.1
Germany (Dec. 2003=100)	100.000	124.5	124.0	4.7	0.7	1.1	-0.3	-0.4
United Kingdom (Dec. 2003=100)	100.000	136.1	134.4	3.7	0.6	-0.9	-1.2	-1.2
Latin America³	100.000	171.3	169.5	6.9	0.2	-1.4	-1.5	-1.1
Nonmanufacturing.....	17.236	353.8	341.4	16.0	3.0	-6.1	-6.6	-3.5
Manufacturing.....	82.497	136.2	135.5	5.2	-0.4	-0.3	-0.4	-0.5
Mexico (Dec. 2003=100)	100.000	141.8	141.6	5.0	0.4	-0.6	-1.7	-0.1
Nonmanufacturing (Dec. 2008=100).....	10.231	166.8	168.4	6.7	1.5	-6.0	-14.8	1.0
Manufacturing (Dec. 2008=100).....	89.504	96.7	96.4	4.6	0.2	0.3	0.0	-0.3
Pacific Rim (Dec. 2003=100)⁴	100.000	104.6	104.3	2.6	0.0	-0.5	-0.3	-0.3
China (Dec. 2003=100)	100.000	104.1	104.2	2.0	-0.3	-0.1	-0.1	0.1
Japan	100.000	100.0	100.1	1.2	0.0	-0.2	-0.1	0.1
Taiwan (Dec. 2018=100)	100.000	111.8	111.0	6.3	0.4	0.2	-0.5	-0.7
Asian NICs⁵	100.000	99.3	98.1	5.0	-0.1	-1.2	-0.8	-1.2
ASEAN (Dec. 2003=100)⁶	100.000	104.2	103.4	2.7	0.2	-1.3	-0.6	-0.8
Asia Near East (Dec. 2003=100)⁷	100.000	253.3	242.4	18.0	0.5	-4.3	-2.9	-4.3

¹ Relative importance figures are based on 2020 trade values.

² Western Europe, Canada, Japan, Australia, New Zealand, and South Africa.

³ Mexico, Central America, South America, and the Caribbean.

⁴ China, Japan, Australia, Brunei, Indonesia, Macao, Malaysia, New Zealand, Papua New Guinea, Philippines, and the Asian Newly Industrialized Countries.

⁵ Asian Newly Industrialized Countries - Hong Kong, Singapore, South Korea, and Taiwan.

⁶ Association of Southeast Asian Nations - Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, and Vietnam.

⁷ Bahrain, Iran, Iraq, Israel, Jordan, Kuwait, Lebanon, Oman, Qatar, Saudi Arabia, Syria, United Arab Emirates, and Yemen.

NOTES: Data may be revised in each of the 3 months after original publication.

Regions are not mutually exclusive.

Dash = Not available

Table 8. U.S. export price indexes and percent changes by locality of destination: September 2021 to September 2022

[December 2017=100, unless otherwise noted]

Description	Relative importance Aug. 2022 ¹	Index		Percent change				
		Aug. 2022	Sep. 2022	Annual Sep. 2021 to Sep. 2022	Monthly			
					May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Industrialized Countries²	100.000	122.9	122.0	8.0	0.1	-2.4	-1.1	-0.7
Nonmanufacturing.....	16.562	166.2	161.2	23.2	1.6	-10.9	-3.3	-3.0
Manufacturing.....	81.859	117.7	117.3	5.8	-0.2	-0.4	-0.7	-0.3
Canada	100.000	129.9	128.5	8.8	0.4	-2.3	-0.2	-1.1
Nonmanufacturing (Dec. 2020=100).....	12.721	173.4	166.8	23.0	2.6	-13.1	1.5	-3.8
Manufacturing (Dec. 2020=100).....	85.935	118.7	118.0	7.4	0.1	-0.3	-0.6	-0.6
European Union	100.000	120.6	119.0	6.7	0.6	-2.4	-1.7	-1.3
Nonmanufacturing.....	20.020	157.0	148.6	15.7	1.4	-9.5	-6.1	-5.4
Manufacturing.....	78.342	114.1	114.0	5.4	0.4	-0.1	-0.7	-0.1
Germany	100.000	114.2	113.5	5.8	0.4	0.1	-0.4	-0.6
Latin America³	100.000	138.3	137.2	14.1	2.0	-6.4	-2.9	-0.8
Nonmanufacturing.....	14.041	234.1	238.0	38.5	3.5	-17.6	9.2	1.7
Manufacturing.....	85.366	130.1	128.7	10.9	1.6	-4.6	-4.5	-1.1
Mexico	100.000	136.9	135.0	10.7	2.1	-5.4	-1.5	-1.4
Nonmanufacturing.....	13.003	234.0	244.6	46.6	4.5	-21.0	16.9	4.5
Manufacturing.....	86.632	129.5	126.7	6.5	1.8	-3.0	-3.9	-2.2
Pacific Rim⁴	100.000	120.9	119.4	6.0	0.2	-2.5	-1.1	-1.2
Nonmanufacturing.....	26.279	148.6	143.5	13.7	0.2	-7.9	-3.7	-3.4
Manufacturing.....	71.820	114.7	114.2	5.1	0.3	0.1	-0.3	-0.4
China	100.000	118.0	115.4	5.2	1.5	-4.6	-1.7	-2.2
Nonmanufacturing.....	35.559	136.6	129.5	16.2	2.7	-10.1	-3.9	-5.2
Manufacturing.....	63.153	112.7	112.2	1.8	0.5	-0.6	-0.5	-0.4
Japan	100.000	123.3	120.8	7.2	-0.6	-2.9	-2.2	-2.0
Nonmanufacturing.....	32.510	168.3	160.1	27.0	1.3	-8.4	-3.2	-4.9
Manufacturing.....	66.040	109.0	108.4	0.8	-1.3	0.1	-1.9	-0.6

¹ Relative importance figures are based on 2020 trade values.

² Western Europe, Canada, Japan, Australia, New Zealand, and South Africa.

³ Mexico, Central America, South America, and the Caribbean.

⁴ China, Japan, Australia, Brunei, Indonesia, Macao, Malaysia, New Zealand, Papua New Guinea, Philippines, and the Asian Newly Industrialized Countries.

NOTES: Data may be revised in each of the 3 months after original publication.

Regions are not mutually exclusive.

Dash = Not available

Table 9. U.S. terms of trade indexes and percent changes by locality: September 2021 to September 2022¹
 [December 2017=100, unless otherwise noted]

Description	Index		Percent change				
	Aug. 2022	Sep. 2022	Annual	Monthly			
			Sep. 2021 to Sep. 2022	May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Industrialized Countries²	99.1	100.1	0.2	-0.3	0.0	0.2	1.0
Canada	85.3	87.5	-6.5	-0.6	3.3	3.3	2.6
European Union	105.1	104.3	2.1	-0.5	-2.3	-1.4	-0.8
Germany	105.6	105.4	1.1	-0.3	-1.0	-0.1	-0.2
Latin America³	120.2	120.5	6.8	1.8	-5.1	-1.4	0.2
Mexico	124.5	123.0	5.4	1.6	-4.8	0.2	-1.2
Pacific Rim⁴	113.7	112.6	3.4	0.2	-2.1	-0.9	-1.0
China	113.5	110.9	3.3	1.7	-4.5	-1.6	-2.3
Japan	117.8	115.2	5.9	-0.6	-2.7	-2.1	-2.2

¹ Terms of trade indexes are derived by dividing the export price index by the corresponding import price index and multiplying by 100.

² Western Europe, Canada, Japan, Australia, New Zealand, and South Africa.

³ Mexico, Central America, South America, and the Caribbean.

⁴ China, Japan, Australia, Brunei, Indonesia, Macao, Malaysia, New Zealand, Papua New Guinea, Philippines, and the Asian Newly Industrialized Countries.

NOTES: Data may be revised in each of the 3 months after original publication.

Regions are not mutually exclusive.

Dash = Not available

Table 10. U.S. international price indexes and percent changes for selected transportation services: September 2021 to September 2022

[2000=100, unless otherwise noted]

Description	Relative importance Aug. 2022 ¹	Index		Percent change				
		Aug. 2022	Sep. 2022	Annual Sep. 2021 to Sep. 2022	Monthly			
					May 2022 to Jun. 2022	Jun. 2022 to Jul. 2022	Jul. 2022 to Aug. 2022	Aug. 2022 to Sep. 2022
Air Freight								
Import Air Freight	100.000	325.1	323.4	-5.6	-1.0	-12.9	3.4	-0.5
Europe (Dec. 2003=100).....	24.708	265.7	271.6	8.7	-12.1	-13.4	-0.6	2.2
Asia.....	75.024	325.3	320.7	-10.6	3.6	-12.8	4.8	-1.4
Export Air Freight	100.000	208.2	200.5	16.6	-1.1	-1.5	-0.4	-3.7
Europe (Dec. 2006=100).....	27.193	165.4	160.1	7.8	-4.9	2.6	-6.0	-3.2
Asia (Dec. 2011=100).....	50.970	166.1	154.6	21.5	1.2	-4.0	2.9	-6.9
Inbound Air Freight	100.000	239.9	236.5	-7.9	-3.0	-8.3	-0.4	-1.4
Europe (Dec. 2003=100).....	22.936	178.1	189.6	8.7	-12.1	-8.3	-3.8	6.5
Asia.....	68.209	248.4	238.0	-11.4	0.8	-9.4	1.0	-4.2
Outbound Air Freight	100.000	217.1	209.1	39.2	3.7	-4.7	-0.1	-3.7
Europe (Dec. 2003=100).....	28.359	196.8	190.3	13.5	-3.5	2.8	-5.6	-3.3
Asia.....	54.252	242.5	228.1	66.6	8.8	-9.2	2.6	-5.9
Air Passenger Fares								
Import Air Passenger Fares	100.000	172.0	180.1	7.1	10.1	-0.2	-9.9	4.7
Europe.....	35.674	177.6	204.6	15.5	9.4	-3.1	-14.4	15.2
Asia.....	22.444	198.0	195.5	20.5	9.1	-0.3	-8.1	-1.3
Latin America/Caribbean.....	13.584	150.0	139.3	22.7	24.1	5.4	-9.0	-7.1
Export Air Passenger Fares	100.000	200.9	193.5	13.8	5.3	8.3	-2.4	-3.7
Europe.....	24.648	221.3	233.5	15.0	6.5	9.2	-11.3	5.5
Asia.....	25.737	238.0	213.9	13.5	1.6	6.2	10.4	-10.1
Latin America/Caribbean.....	32.845	199.7	186.1	27.3	10.1	9.8	-3.3	-6.8

¹ Relative importance figures are based on 2020 trade values.

NOTES: Data may be revised in each of the 3 months after original publication.

Dash = Not available

TECHNICAL NOTE

Import and Export Goods and Services Price Indexes - All indexes use a modified Laspeyres formula and are not seasonally adjusted. Price indexes are reweighted annually, with a 2-year lag in the weights. Published series use a base year of 2000=100 where possible. More detailed index series and additional information may be obtained at www.bls.gov/mxp or by calling (202) 691-7101.

Merchandise Goods Classification Systems - The merchandise price indexes are published using three classification systems. Items are classified by end use according to the Bureau of Economic Analysis Classification System, by industry according to the North American Industry Classification System (NAICS), and by product category according to the Harmonized System (HS). While classification by end use and product category are self-explanatory, some notes are in order for classifying items by industry. In the NAICS imports and exports tables, items are classified by output industry, not input industry. As an example, NAICS import index 326 (plastics and rubber products manufacturing) includes outputs such as manufactured plastic rather than inputs such as petroleum. The NAICS classification structure also matches the classification system used by the Producer Price Index (PPI) to produce the NAICS primary products indexes.

Import Price Goods Indexes - Items are classified by the Harmonized Tariff Schedule of the United States Annotated (TSUSA). Import prices are based on U.S. dollar prices paid by the U.S. importer. The prices are generally either "free on board" (f.o.b.) foreign port or "cost, insurance, and freight" (c.i.f.) U.S. port transaction prices, depending on the practices of the individual industry. The index for crude petroleum is calculated from data collected by the U.S. Department of Energy.

Export Price Goods Indexes - Items are classified by the Harmonized Schedule B classification system of the U.S. Bureau of the Census. The prices used are generally either "free alongside ship" (f.a.s.) factory or "free on board" (f.o.b.) transaction prices, depending on the practices of the individual industry. Prices used in the grain index, excluding rice, are obtained from the U.S. Department of Agriculture.

Services Price Indexes - Indexes for import and export air passenger fares calculate changes in the average revenue received per passenger by foreign carriers from U.S. residents and by U.S. carriers from foreign residents, respectively. Data are obtained from an airline consulting service and report on tickets sold by travel agencies, travel websites, and directly by the airlines. Taxes and fees are included in both the import and export air passenger fares indexes. Import air passenger fares data have used the airline consulting service source since September 2008. Before April 2018, the export air passenger fares data were collected directly by BLS from U.S. airlines. The air freight indexes are calculated from data collected directly from airlines. These data exclude mail and passenger baggage. The scope of the service being priced is the movement of freight from airport to airport only, and does not include any ground transportation or port service. The air freight indexes are presented using two definitions: balance of payments (which represents transactions between U.S. and foreign residents) and international (which represents transactions inbound to and outbound from the United States.) Fact sheets specifying detailed information for each services industry are available at www.bls.gov/mxp under "MXP Publications."

Import Price Indexes by Locality of Origin - Prices used in these indexes are a subset of the data collected for the import price indexes. The indexes are specific to a country, region, or grouping and, beginning with January 2002, are based on the North American Industry Classification System (NAICS) covering goods-producing industries. Nonmanufactured goods are defined as NAICS 11 and 21, and manufactured goods are defined as NAICS 31-33.

Export Price Indexes by Locality of Destination - Prices used in these indexes are a subset of the data collected for the export price indexes. The indexes are specific to a country, region, or grouping and are based on the North American Industry Classification System (NAICS) covering goods-producing industries. Nonmanufactured goods are defined as NAICS 11 and 21, and manufactured goods are defined as NAICS 31-33.

Terms of Trade Indexes - Terms of trade indexes measure the relative price of exports in terms of import prices for a specific country, region, or grouping. The indexes are calculated as one country, region, or grouping's all-export goods price index divided by the corresponding all-import goods price index on a scale of 100.

Relative Importance - A relative importance is a specific index's price-updated value share (expressed as a percentage) of overall imports or exports at a specific point in time. Relative importance values are affected by the trade weights at the point indexes are reweighted and index changes relative to other indexes since the reweight point. If an index is rising in value relative to other indexes over time, the relative importance will increase as well.

Revision Policy - To reflect the availability of late reports and corrections by respondents, monthly data may be revised in each of the 3 months after original publication. After 3 months, no further data revisions take place. For example, data first published in the January release will be subject to revision in the releases for February, March, and April.

Rounding Policy - Index values are rounded to the tenth decimal place after being calculated. All percent changes are then derived from the rounded index values and subsequently rounded to the tenth decimal place.

Uses of the Data - The primary use of the indexes is to deflate trade statistics, notably the foreign trade sector of the National Income and Product Accounts (NIPA) constructed by the Department of Commerce. Other published indexes are useful for general market analysis. For trade in international services, balance of payments indexes are used for deflating NIPA, while international indexes are more appropriate for market analysis.

Email Subscription - The U.S. import and export price indexes news release is available through an email subscription service at www.bls.gov/bls/list.htm.

Additional Information - More detailed data are available on the Import/Export Price Indexes home page at www.bls.gov/mxp. For import and export price indexes data requests, send an email to mxpinfo@bls.gov.

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