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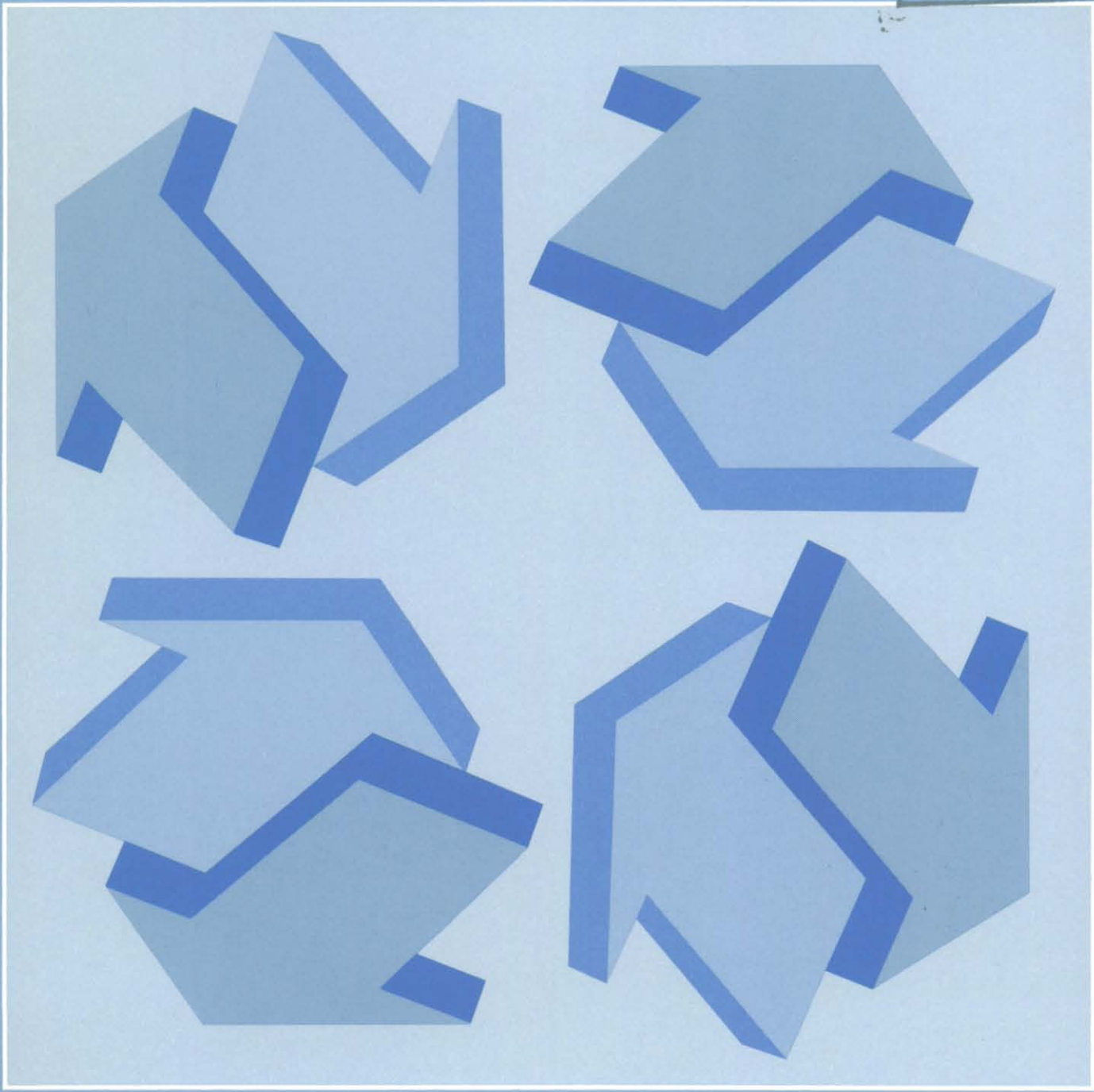


# Preliminary Statement of Canadian International Trade

September 1991

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Statistics Canada  
International Trade Division

# Preliminary Statement of Canadian International Trade

September 1991

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For more detailed information on statistics, concepts and definitions, order the September 1991 issue of *Summary of Canadian International Trade* (cat. no. 65-001, \$18.20/\$182), available the first week of December 1991, or contact Gordon Blaney (613-951-9647), Trade Information Unit, or Marlene Sterparn (613-951-1711) (for analysis information), or Denis Pilon (613-951-4808) (for price index information), Trade Measures and Analysis Section, International Trade Division.

Current Account data, which incorporate merchandise trade statistics as well as data concerning trade in services and capital account movements, are available on a quarterly basis in *Canada's balance of international payments* (cat. no. 67-001).

Available on CANSIM: matrices 3620 to 3629, 3651, 3685 to 3713, 3718, 3719, 3887 to 3913.

## HIGHLIGHTS

- In September, total exports decreased by \$852 million to \$11.6 billion, 2.7% lower than the average monthly level for the January to August period.
- The largest contributors to the decline in exports were machinery and equipment, which fell by \$487 million and automotive products, down by \$421 million.
- Total imports increased by \$524 million to reach \$11.9 billion, an all-time high.
- Increases were registered for imports of almost all major product groups, the largest being automotive products, up by \$188 million to \$3.0 billion, their highest level since July 1986, and machinery and equipment, which grew by \$163 million.
- The merchandise trade balance fell by \$1.4 billion, resulting in a deficit of \$311 million, the first deficit (in current dollars) in over fifteen years.
- Canada's trade surplus with the United States fell by \$1.1 billion to \$670 million, its lowest since September 1989. Deficits were registered with all other major trading partners.
- Despite generally weaker September results, third quarter exports stood at \$36.2 billion, up \$462 million from the second quarter. Large quarterly increases were observed for automotive products and machinery and equipment.
- Imports climbed by \$2.3 billion during the third quarter, led by automotive products, up \$1.0 billion, followed by machinery and equipment, which rose by \$265 million.
- As a result of the merchandise trade deficit in September, the surplus during the third quarter fell to \$1.2 billion. Canada's surplus with the United States fell to \$3.6 billion, 6.6% lower than the surplus registered during the second quarter.

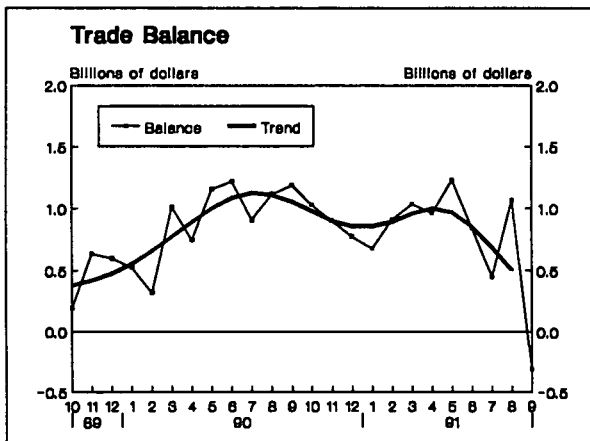
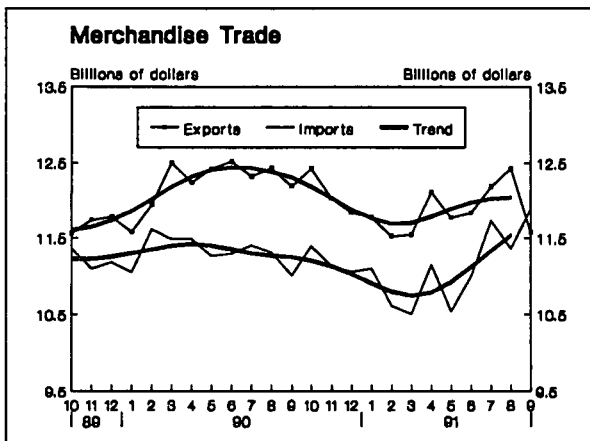
### Note To Users

The labour disruptions in the Federal Public Service and Canada Post Corporation have affected the quality of the preliminary data for the reference months of August and September. As well, the timing of revisions for the reference months of July and August will be affected. Most of these revisions will be made with the release of the October data. The effects are expected to be larger on imports than on exports.

## Monthly Summary

In September, total exports declined by \$852 million to \$11.6 billion. Although this was not the lowest level recorded this year (February and March totals were marginally less), it was 2.7% lower than the average monthly level for the January to August period. In contrast, total imports increased by \$524 million to reach \$11.9 billion, an all-time high.

The significant drop in exports, combined with the large rise in imports, caused the merchandise trade balance to fall by \$1.4 billion, resulting in a deficit of \$311 million, the first deficit (in current dollars) in over fifteen years.

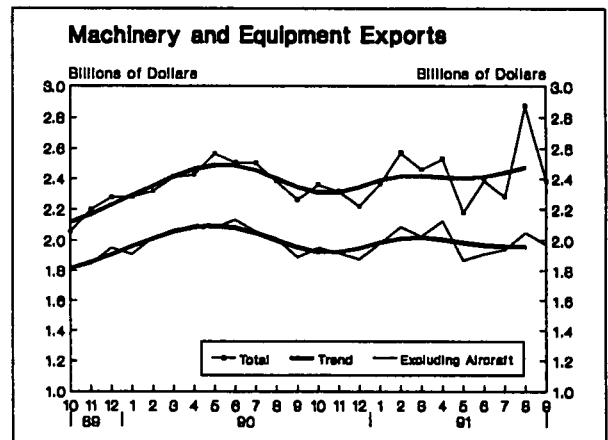


## Products

### Exports

Exports of most product groupings declined in September.

The largest contributor to the decline in exports was machinery and equipment, which fell by \$487 million due primarily to a drop of \$392 million for aircraft and other transportation equipment. Aircraft exports, returning to normal after an unusually high August level, declined by \$407 million. Machinery and equipment exports stood at \$2.4 billion in September, slightly lower than the monthly average for January to September. A sizeable decline in September was shown by "other machinery and equipment" group (-\$108 million). Within this group, office machinery and equipment fell by \$54 million, "other equipment and tools" were down by \$43 million, and "other end products" fell by \$21 million. Somewhat offsetting these decreases was a \$10 million increase for televisions and other telecommunication equipment.



Automotive products fell by \$421 million. While September exports of \$2.8 billion were lower than levels posted in July and August, they were higher than the average monthly level observed between January and June. All three components of the group decreased, the largest being a decline of \$282 million for car exports.

Wheat exports dropped by \$69 million to \$252 million, their lowest level since November 1990. Much



of the decrease in September resulted from the refusal by grain handlers to cross picket lines set up by striking Public Service employees.

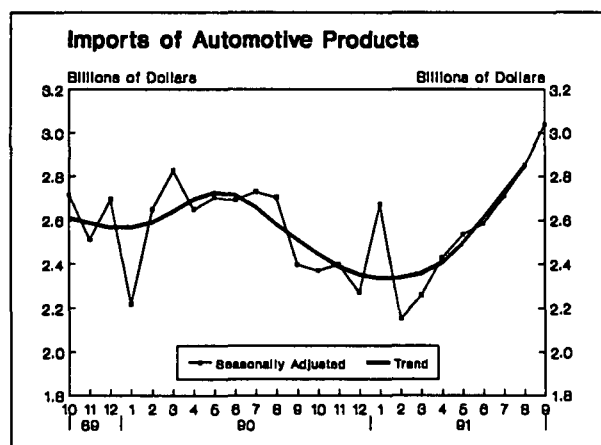
Energy products declined by \$37 million; there was a \$45 million fall in crude petroleum exports alone. This latest decline brought crude petroleum exports to \$408 million, their lowest level since July 1990.

Slight increases were registered for forestry products (\$41 million) and industrial goods and materials (\$65 million). The increase for forestry products followed four consecutive monthly declines. Woodpulp and other wood products were up by \$35 million, and newsprint and other paper products increased by \$15 million. Lumber and sawmill products fell (-\$9 million) for the fourth month in a row. The latest monthly decrease coincided with a drop in new house construction in the United States during September.

The increase noted for industrial goods and materials was due to higher exports of metals and alloys (\$143 million), mostly as a result of a \$98 million increase for precious metals. Drops were registered for the other three major components. Metal ores fell by \$75 million, reflecting, in part, falling metal prices.

## Imports

Imports of automotive products rose by \$188 million in September, as a result of increases for trucks (\$78 million) and parts (\$139 million). Car imports declined by \$30 million. Automotive product imports stood at \$3.0 billion, their highest level since July 1986.



Machinery and equipment imports also increased, rising \$163 million to \$3.6 billion. This was mostly due to a \$181 million hike for "other machinery and equipment", as "other communications and related equipment" rose by \$93 million and "other equipment and tools" were up by \$88 million. Office machines were up by \$31 million, mostly as a result of increased imports of computers. These increases were partially offset by declines for industrial and agricultural machinery (-\$27 million) and aircraft and other transportation equipment (-\$23 million).

Imports of agricultural and fishing products climbed by \$100 million in September, reaching \$801 million. Increases were also posted for imports of forestry products (\$10 million), industrial goods and materials (\$86 million) and "other consumer goods" (\$96 million). This last grouping includes such products as clothing, televisions, sporting goods and books.

The only major product group to decline in September was energy products, entirely as a result of a \$48 million decrease for crude petroleum.

## Trading Partners

Exports to all major trading partners except the United Kingdom fell in September. The sharpest change was a \$620 million drop in exports to the United States, bringing exports to the United States to \$9.0 billion. This decrease, however, followed a very large increase in August, and the September figure was actually 1.8% higher than the monthly average registered between January and July.

Exports to Japan dropped by \$109 million to reach \$448 million, their lowest level since April 1987. Decreases were also noted for exports to "Other E.E.C. countries", including, among others, Belgium, France and Germany (-\$34 million), "Other O.E.C.D. countries", for example, Norway, Switzerland and Australia (-\$76 million), and non-O.E.C.D. countries (-\$44 million).

In the case of the United Kingdom, the increase of \$31 million was not enough to bring exports to levels observed earlier in the year.

Decreases were registered for imports from the United Kingdom (-\$29 million) and non-O.E.C.D. countries (-\$124 million). Imports from all other trading partners increased. Imports from the United States rose by \$494 million to \$8.4 billion, their highest level ever. Imports from Japan were up by \$49 million, from "Other E.E.C. countries" by \$71 million and "Other O.E.C.D. countries" by \$63 million.

Canada's trade surplus with the United States fell by \$1.1 billion to \$670 million, the lowest surplus observed since September 1989. Deficits were registered with all other major trading partners, the most noteworthy being a \$326 million deficit with Japan.

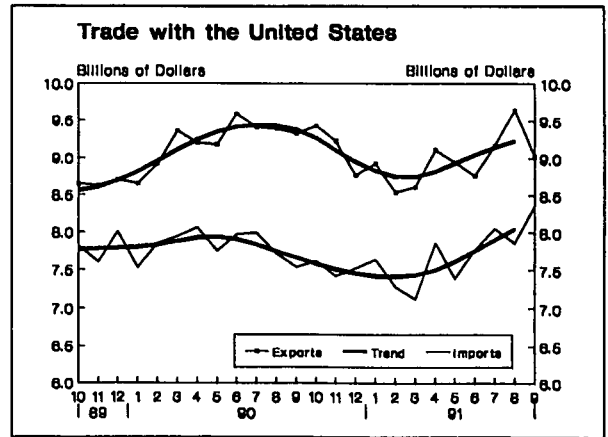


Table 1  
Merchandise Trade of Canada  
September 1991

	Customs Basis		Balance of Payments Basis							
	Exports	Imports	Raw Values		Seasonally Adjusted			Period-to-period change		
			Exports	Imports	Exports	Imports	Balance	Exports	Imports	Balance
			\$ millions							%
1985	119,474	104,355	119,061	102,669	119,061	102,669	16,392	6.9	12.2	-3,446
1986	120,670	112,511	120,318	110,374	120,317	110,374	9,943	1.1	7.5	-6,449
1987	125,087	116,239	126,340	115,119	126,340	115,119	11,222	5.0	4.3	1,279
1988	138,498	131,172	138,742	128,321	138,742	128,321	10,421	9.8	11.5	-801
1989	138,701	135,191	141,768	134,673	141,768	134,673	7,095	2.2	5.0	-3,326
1990	148,665	136,224	146,482	135,557	146,482	135,557	10,926	3.3	0.7	3,830
1989										
First quarter	34,684	33,753	35,817	33,542	36,703	33,377	3,326	5.4	2.4	1,078
Second quarter	36,345	36,434	37,030	36,087	35,097	33,906	1,191	-4.4	1.6	-2,135
Third quarter	32,291	31,444	32,852	31,623	34,879	33,740	1,139	-0.6	-0.5	-53
Fourth quarter	35,381	33,560	36,069	33,422	35,089	33,650	1,439	0.6	-0.3	300
1990										
First quarter	36,181	35,171	35,579	34,944	36,037	34,166	1,871	2.7	1.5	432
Second quarter	39,239	35,852	38,761	35,576	37,186	34,058	3,128	3.2	-0.3	1,257
Third quarter	35,304	31,354	34,772	31,566	36,952	33,738	3,214	-0.6	-0.9	87
Fourth quarter	37,941	33,847	37,371	33,471	36,308	33,595	2,712	-1.7	-0.4	-502
1991										
First quarter	34,879	32,551	33,973	32,491	34,862	32,232	2,630	-4.0	-4.1	-83
Second quarter	38,219	34,915	37,457	34,439	35,735	32,699	3,037	2.5	1.4	407
Third quarter	34,918	32,989	34,398	32,997	36,197	34,991	1,207	1.3	7.0	-1,830
1990										
January	11,394	10,826	11,161	10,682	11,582	11,054	528	-1.7	-1.1	-74
February	11,474	11,385	11,373	11,425	11,946	11,620	326	3.1	5.1	-203
March	13,312	12,961	13,046	12,838	12,509	11,492	1,017	4.7	-1.1	691
April	12,313	11,602	12,112	11,560	12,242	11,489	753	-2.1	0.0	-264
May	13,773	12,385	13,590	12,405	12,422	11,266	1,156	1.5	-1.9	403
June	13,153	11,866	13,059	11,611	12,522	11,303	1,219	0.8	0.3	63
July	11,213	10,080	11,116	10,085	12,322	11,412	910	-1.6	1.0	-309
August	11,807	10,949	11,567	11,083	12,436	11,319	1,118	0.9	-0.8	208
September	12,284	10,325	12,089	10,397	12,194	11,007	1,187	-1.9	-2.8	70
October	13,847	12,293	13,574	12,218	12,429	11,399	1,031	1.9	3.6	-157
November	12,676	11,522	12,558	11,439	12,036	11,132	903	-3.2	-2.3	-127
December	11,418	10,032	11,238	9,814	11,843	11,064	778	-1.6	-0.6	-125
1991										
January	11,649	11,009	11,347	10,912	11,786	11,104	682	-0.5	0.4	-97
February	11,250	10,330	10,934	10,410	11,529	10,618	911	-2.2	-4.4	230
March	11,980	11,212	11,692	11,169	11,547	10,510	1,037	0.2	-1.0	126
April	12,696	11,907	12,436	11,606	12,116	11,151	965	4.9	6.1	-72
May	13,060	11,775	12,754	11,592	11,775	10,547	1,229	-2.8	-5.4	264
June	12,463	11,233	12,266	11,240	11,844	11,001	844	0.6	4.3	-385
July	11,216	10,709	11,004	10,654	12,186	11,734	452	2.9	6.7	-392
August	11,955	10,909	11,789	11,050	12,432	11,366	1,066	2.0	-3.1	614
September	11,747	11,372	11,604	11,293	11,579	11,890	-311	-6.9	4.6	-1,377
Year-to-date										
1990	110,724	102,377	109,112	102,086	110,175	101,962	8,213	3.3	0.9	2,557
1991	108,014	100,456	105,827	99,927	106,794	99,921	6,873	-3.1	-2.0	-1,340

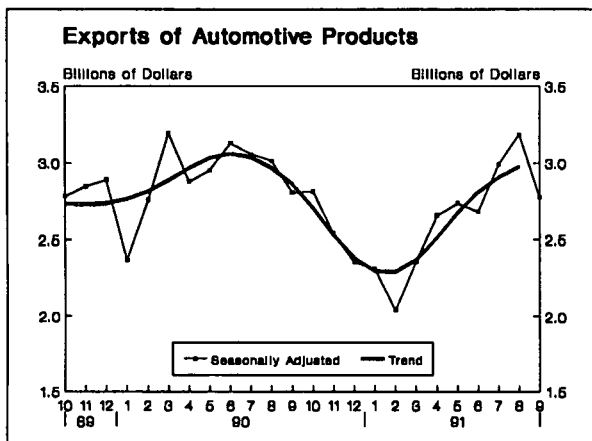
Note: Due to rounding, monthly data may not add up to quarterly data and quarterly data may not add up to annual data.

## Short-Term Trend

### Exports

In contrast to the seasonally adjusted figures, the export trend rose by 0.2% in August, slightly less than the increase noted in July.

- Automotive products continued a rise started in March and were up by a further 2.5%, as cars increased by 2.3%, trucks by 1.5% and parts by 3.7%.



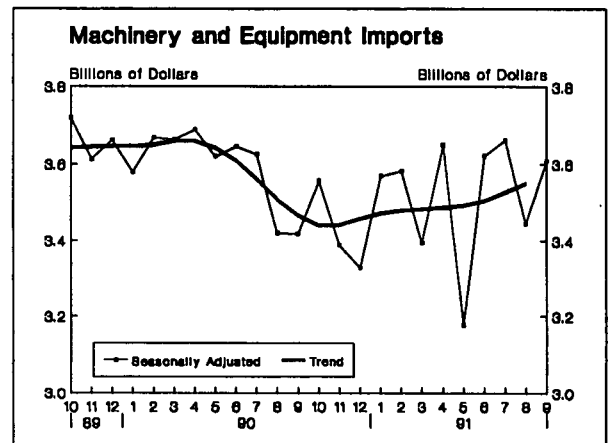
- Machinery and equipment exports rose by 1.4%, their third consecutive monthly increase. This was due to a 5.6% increase for aircraft and other transportation equipment, as well as a 0.6% growth for "other machinery and equipment". Industrial and agricultural equipment declined by 1.9%, partially offsetting increases in the other groups.
- Agricultural and fishing products were down by 3.2%, as wheat fell by 4.2%, its second decrease in a row, and "other agricultural and fishing products" dropped by 2.8%.
- Forestry products fell 1.7% in August, with all three major components of the group registering decreases. The export trend for forestry products has been falling since November 1989.
- Energy products declined for the ninth consecutive month, falling by 1.2% in August, but the rate of decline has been slowing since March.

- Decreases were also noted for industrial goods and materials, falling since last October (-0.2%) and "other consumer goods" (-0.5%).
- Exports to the United States rose by 0.9%, while exports to all other major trading partners decreased.

### Imports

The import trend increased for the fifth month in a row, following eleven consecutive monthly drops. Imports were up by 1.8% in August, slightly less than the 1.9% posted in July.

- The largest contributor to the increase in the import trend was the automotive products group, up by 4.3%. Car imports rose by 6.9%, trucks were up by 5.2%, and parts increased by 2.2%.
- Machinery and equipment imports grew by 0.7% in August, their tenth increase in a row. Increases were posted for all major components with the exception of aircraft and other transportation equipment, which fell by 2.8%.



- Increases were also observed for "other consumer goods" (1.3%), industrial goods and materials (0.9%), forestry products (0.8%) and energy products (0.6%).
- The trend increased for imports from all major trading partners except the United Kingdom (down by 1.1%). Imports from the United States rose for the sixth month in a row (1.8%), while imports from Japan were up by 2.4%, sustaining an increase started in November 1990.

## Quarterly Summary

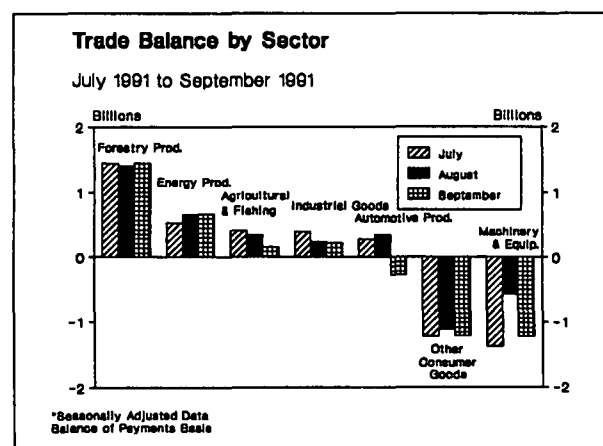
Despite generally weaker September results, third quarter exports stood at \$36.2 billion, up \$462 million from the second quarter, and only 2.0% lower than the third quarter of 1990 (compared to 3.2% in the first quarter and 3.9% in the second). Large quarterly increases were observed for automotive products and machinery and equipment.

Automotive products rose by \$886 million, to reach \$9.0 billion, 0.8% higher than the level observed for the third quarter of 1990. Cars, trucks and parts were all up.

Machinery and equipment exports rose to \$7.5 billion, 5.5% greater than last year's third quarter results. This was primarily due to increased exports of aircraft (23.0% higher than the level registered in the third quarter of 1990).

Exports of industrial goods and materials also rose during the third quarter, up \$112 million, mostly as a result of a \$92 million increase for metal ores.

The overall increase in exports was dampened by decreases for the other major commodity groupings. Agricultural and fishing products fell by \$352 million to \$3.2 billion. However, this was still 6.9% higher than the level observed during the third quarter of last year. Energy exports also declined, dropping \$173 million from the second quarter, to reach a level of \$3.5 billion, 9% lower than that posted last year. Similarly, forestry products declined by \$383 million to \$4.6 billion (8.1% lower than for the corresponding period in 1990), with all three major components registering decreases.



Exports to the United States continued to rise during the third quarter (up \$1.0 billion). An increase was also registered for exports to non-O.E.C.D. countries. Third quarter exports fell to all other major trading partners, the largest being a \$360 million decrease in exports to Japan.

Bolstered by a significant increase in September, imports climbed by \$2.3 billion during the third quarter, following a rise of \$467 million in the second. This increase brought third quarter imports to \$35.0 billion, 3.7% higher than the third quarter of 1990.

Automotive products led the increase, rising by \$1.0 billion, to reach \$8.6 billion, almost 10% higher than the third quarter last year. Cars showed the greatest strength, up by \$734 million, but trucks and parts also rose.

The next largest contributor to the quarterly increase was machinery and equipment, which rose by \$265 million to \$10.7 billion. This increase was due, for the most part, to the "other machinery and equipment" group (up by \$219 million), although increases were posted as well for industrial and agricultural machinery (\$78 million) and office machines (\$45 million).

Other sectors to show large increases in imports were energy products (\$261 million), industrial goods and materials (\$242 million) and "other consumer goods" (\$250 million).

Imports from the United States increased by \$1.3 billion in the quarter, reaching \$24.3 billion, 4.4% higher than the third quarter of 1990. Increases were registered for imports from all other major trading partners, the most notable being a \$515 million increase for imports from the non-O.E.C.D. group of countries.

As a result of the merchandise trade deficit in September, the surplus during the third quarter fell to \$1.2 billion. Canada's surplus with the United States fell to \$3.6 billion, 6.6% lower than the surplus registered during the second quarter. Deficits were recorded with all other major trading partners.

## Note on Seasonal Adjustment

Seasonal adjustment is a process which removes the effects of seasonal variations in data so that users can obtain a picture of the underlying trend in the series. Seasonal adjustment does not affect annual totals as seasonal fluctuations cancel out within the year.

In order to seasonally adjust, Statistics Canada uses a computer algorithm known as X11-ARIMA. This algorithm takes into account:

- (a) changes in the number of calendar days in a month
  - e.g. 28 or 29 in February
  - 30 in April, June, September, November
  - 31 in the other months
- (b) changes in the number of occurrences of each day of the week in a month and the importance of each day in the week
  - e.g. 5 Sundays in one month and 4 in another month, where trade on Sunday may be 50% of trade on Monday
- (c) cases where Easter falls in March versus April (the usual month for this holiday)
- (d) irregular events
  - e.g. strikes, boycotts, weather disturbances

In the process of seasonal adjustment, the identified seasonal, trading day and Easter patterns are removed from the data. The residual is the sum of the algorithm's estimate of the underlying trend - known

as the trend cycle - and the irregular component. The trend component is also made available separately. However, because of its sensitivity to the addition of one extra month, Statistics Canada adopts the convention of publishing it with one month lag.

The X11-ARIMA is a mathematical routine that uses a series of averaging techniques in the identification and adjustment procedures. These routines will encounter difficulty when:

- (1) the irregular component is much larger than the seasonal component
- (2) there is moving seasonality (i.e. there is a shift in the seasonal pattern over time)
- (3) there is a turning point in the business cycle (e.g. recession or recovery)

International trade data are subject to the first two of these difficulties and lately, because of the proximity of a turning point, even to the third. Accordingly, the ability to estimate the current seasonal pattern has been reduced. Normally, seasonal factors are forecast one year ahead; the results are applied historically with the release of April data. But as a result of these difficulties, users can expect larger than normal revisions to the seasonal data at the time of the next annual revisions in 1992.

For further information on seasonal adjustment please call the Trade Measures Section of International Trade Division at the numbers given at the front of the publication.

Table 2  
**Merchandise Trade by Principal Trading Areas**  
 September 1991  
 Balance of Payments Basis  
 Seasonally Adjusted

	August	Sept.	Period-to-period change				Year-to-date Total	Change over previous year	
			August	Sept.	August	Sept.		%	\$ millions
	\$ millions		%	%	\$ millions		\$ millions	%	\$ millions
<b>Exports to:</b>									
United States	9,649	9,029	5.2	-6.4	481	-620	80,754	-2.7	-2,267
United Kingdom	191	222	-30.0	16.3	-82	31	2,307	-11.5	-300
E.E.C. 86 excl. U.K.	668	633	-14.3	-5.1	-111	-34	6,413	3.1	193
Japan	557	448	5.1	-19.6	27	-109	5,172	-11.8	-692
Other O.E.C.D. 86 *	227	152	13.1	-33.3	26	-76	1,877	-29.3	-776
Other countries	1,141	1,096	-7.7	-3.9	-95	-44	10,271	4.7	461
<b>Total</b>	<b>12,432</b>	<b>11,579</b>	<b>2.0</b>	<b>-6.9</b>	<b>246</b>	<b>-852</b>	<b>106,794</b>	<b>-3.1</b>	<b>-3,381</b>
<b>Imports from:</b>									
United States	7,865	8,359	-2.3	6.3	-188	494	69,328	-1.5	-1,034
United Kingdom *	342	313	-16.2	-8.5	-66	-29	3,148	-4.0	-132
E.E.C. 86 excl. U.K.	767	838	-4.7	9.2	-38	71	7,098	-6.1	-464
Japan	724	774	-8.7	6.8	-69	49	6,458	2.2	139
Other O.E.C.D. 86 *	306	369	-16.0	20.6	-58	63	3,237	-6.2	-216
Other countries *	1,362	1,238	3.9	-9.1	51	-124	10,653	-3.0	-334
<b>Total</b>	<b>11,366</b>	<b>11,890</b>	<b>-3.1</b>	<b>4.6</b>	<b>-368</b>	<b>524</b>	<b>99,921</b>	<b>-2.0</b>	<b>-2,041</b>
<b>Balance with:</b>									
United States	1,784	670			669	-1,114	11,426		-1,233
United Kingdom	-151	-91			-16	60	-841		-168
E.E.C. 86 excl. U.K.	-100	-204			-73	-105	-684		657
Japan	-167	-326			96	-159	-1,286		-832
Other O.E.C.D. 86 *	-79	-218			85	-139	-1,360		-560
Other countries	-221	-142			-146	80	-381		795
<b>Total</b>	<b>1,066</b>	<b>-311</b>			<b>614</b>	<b>-1,377</b>	<b>6,873</b>		<b>-1,340</b>

\* Raw series

Table 2A  
**Statistical Alignment of Canadian Exports to the United States with United States Imports from Canada**  
 Customs Basis  
 September 1991

	\$ millions
Total Canadian exports to United States	9,183.4
Freight and other related charges incurred in bringing the merchandise to the Canadian border	-261.1
Canadian re-exports of goods of foreign origin to United States	-451.1
United States imports of goods of Canadian origin from other countries	13.1
Re-exports of U.S. goods returned through Canada and designated as Canadian origin by the U.S.	290.5
Monthly average exchange rate (\$US/\$Cdn)	1.1368
Total United States imports from Canada (Country of Origin and F.O.B. place of lading Basis)	US \$7,718.8

Notes:

1. United States trade data includes Puerto Rico and Virgin Islands.
2. Totals may not add due to rounding.
3. Readers interested in aligning Canadian imports from United States to United States exports to Canada should refer to the *United States Department of Commerce News Release (FT900)* or contact International Trade Division Data Dissemination Section at 613-951-9647.

Table 3  
**Exports by Commodity Groupings**  
 September 1991  
 Balance of Payments Basis

	Seasonally adjusted					Raw values			
	July	Aug.	Sept.	Year-to-date		Percentage change			
				Value	% change	Sept. '91/ Sept. '90	Sept. '90/ Sept. '89	Sept. '89/ Sept. '88	
	\$ millions								
<b>AGRICULTURAL AND FISHING PRODUCTS</b>	1,174	1,048	961	9,919	1.1	1.8	-5.0	-10.9	
Wheat	457	321	252	3,020	11.3	25.5	-21.3	-27.0	
Other agricultural and fishing products	718	728	709	6,899	-2.8	-4.2	0.2	-4.1	
<b>ENERGY PRODUCTS</b>	1,163	1,173	1,136	11,023	7.7	-25.1	46.2	15.2	
Crude petroleum *	426	453	408	4,344	21.1	-34.9	56.9	35.5	
Natural gas	282	273	280	2,616	-1.5	-7.1	13.3	9.5	
Other energy products	455	447	448	4,063	1.9	-22.7	56.1	1.7	
<b>FORESTRY PRODUCTS</b>	1,561	1,507	1,549	14,628	-7.7	-6.1	-13.1	4.5	
Lumber and sawmill products	525	504	495	4,610	-8.4	-4.4	-13.9	15.1	
Woodpulp and other wood products	378	338	373	3,693	-18.3	-20.8	-22.0	10.1	
Newsprint and other paper and paperboard	658	665	681	6,325	0.6	2.9	-4.6	-7.0	
<b>INDUSTRIAL GOODS AND MATERIALS</b>	2,545	2,261	2,326	21,419	-4.6	-7.8	-5.0	-0.1	
Metal ores	498	366	291	3,385	-15.8	-32.2	6.5	-6.8	
Chemicals, plastics and fertilizers	563	576	575	5,252	-0.2	-1.1	3.9	-13.0	
Metals and alloys	1,023	878	1,021	8,827	-1.0	-0.4	-15.8	14.0	
Other industrial goods and materials	462	441	439	3,955	-7.1	-3.6	0.2	-6.7	
<b>MACHINERY AND EQUIPMENT</b>	2,285	2,874	2,387	22,041	1.7	7.7	6.4	5.0	
Industrial and agricultural machinery	497	431	445	4,245	-6.4	-5.0	-0.0	6.0	
Aircraft and other transportation equipment	497	959	567	5,387	11.6	18.4	9.5	10.0	
Other machinery and equipment	1,291	1,484	1,376	12,409	0.8	8.1	7.6	2.9	
<b>AUTOMOTIVE PRODUCTS</b>	2,992	3,191	2,770	23,742	-9.3	-0.2	3.1	-8.2	
Passenger autos and chassis	1,633	1,708	1,426	12,343	0.3	11.9	4.5	-11.1	
Trucks and other motor vehicles	683	695	605	5,426	-14.7	-13.6	6.0	-2.2	
Motor vehicle parts	675	788	739	5,973	-20.4	-7.9	-1.4	-8.2	
<b>OTHER CONSUMER GOODS</b>	254	245	241	2,225	6.2	2.7	13.9	-14.7	
<b>SPECIAL TRANSACTIONS TRADE</b>	245	165	240	2,111	-6.7	-7.8	88.8	5.4	
<b>UNALLOCATED ADJUSTMENTS *</b>	-34	-34	-31	-315	-16.3	-11.9	-35.4	-19.1	
<b>TOTAL</b>	12,186	12,432	11,579	106,794	-3.1	-4.0	3.6	-0.7	

\* Raw series



Table 4  
**Imports by Commodity Groupings**  
 September 1991  
 Balance of Payments Basis

	Seasonally adjusted					Raw values		
	July	Aug.	Sept.	Year-to-date		Percentage change		
				Value	% change	Sept. '91/ Sept. '90	Sept. '90/ Sept. '89	Sept. '89/ Sept. '88
	\$ millions							
<b>AGRICULTURAL AND FISHING PRODUCTS</b>	758	701	801	6,676	2.3	11.5	-2.1	9.9
Fruits and vegetables	257	236	260	2,282	5.1	8.6	6.2	-3.0
Other agricultural and fishing products	502	465	541	4,394	0.9	12.6	-5.1	15.4
<b>ENERGY PRODUCTS</b>	636	513	469	4,734	-12.4	-29.8	39.9	10.7
Crude petroleum	422	380	332	3,223	-7.0	-33.8	78.5	17.6
Other energy products	214	133	137	1,511	-21.9	-18.1	-14.3	2.2
<b>FORESTRY PRODUCTS</b>	109	97	106	905	-12.3	10.5	-20.8	15.1
<b>INDUSTRIAL GOODS AND MATERIALS</b>	2,155	2,022	2,108	18,172	-7.8	-4.3	-1.8	3.4
Metals and metal ores	506	476	484	4,457	-15.1	-21.5	-2.2	6.0
Chemicals and plastics	740	695	736	6,184	-0.9	4.1	2.5	0.9
Other industrial goods and materials	909	851	888	7,531	-8.5	2.9	-4.5	3.3
<b>MACHINERY AND EQUIPMENT</b>	3,662	3,445	3,608	31,712	-1.9	7.0	-8.3	1.3
Industrial and agricultural machinery	973	940	914	8,284	-14.1	-3.4	-18.7	2.7
Aircraft and other transportation equipment	509	398	375	4,095	11.4	-4.1	-5.1	-27.5
Office machines and equipment	494	573	604	5,071	7.5	21.2	-8.7	2.2
Other machinery and equipment	1,686	1,534	1,715	14,262	-0.2	10.9	-1.6	9.7
<b>AUTOMOTIVE PRODUCTS</b>	2,711	2,850	3,038	23,237	-1.4	26.9	-13.4	-5.2
Passenger autos and chassis	1,036	1,165	1,135	8,712	4.3	38.7	-18.2	-6.8
Trucks and other motor vehicles	306	309	387	2,727	3.2	38.4	-13.4	7.9
Motor vehicle parts	1,369	1,377	1,516	11,798	-6.2	16.7	-10.0	-6.5
<b>OTHER CONSUMER GOODS</b>	1,473	1,352	1,447	12,199	2.4	11.5	-1.2	7.8
Apparel and footwear	294	287	315	2,516	-11.4	4.8	-6.7	21.3
Miscellaneous consumer goods	1,180	1,065	1,132	9,683	6.7	13.3	0.4	4.6
<b>SPECIAL TRANSACTIONS TRADE</b>	302	460	388	2,952	37.0	58.4	-12.5	23.0
<b>UNALLOCATED ADJUSTMENTS *</b>	-73	-74	-75	-666	-3.0	11.0	-12.9	1.0
<b>TOTAL</b>	11,734	11,366	11,890	99,921	-2.0	8.6	-5.0	2.2

\* Raw series

Table 5

**Merchandise Trade of Canada**

Constant Dollars, Laspeyres Price Indexes and Terms of Trade

September 1991

Seasonally Adjusted, Balance of Payments Basis

	Constant 1986 dollars (1)				Laspeyres price index (2)						
	Exports		Imports		Period-to-period change (4)		1986=100		Period-to-period change (4)		
							Exports	Imports	Exports	Imports	Terms of Trade(3)
	\$ millions		%		Exports	Imports	Exports	Imports	Exports	Imports	Terms of Trade(3)
1986	120,317	110,374	...	...	100.0	100.0	100.0	...	...	...	...
1987	124,665	117,271	3.6	6.2	101.8	98.8	103.1	1.8	-1.2	3.1	...
1988	136,280	133,265	9.3	13.6	102.9	97.5	105.6	1.1	-1.4	2.5	...
1989	137,765	139,680	1.1	4.8	104.8	97.9	107.1	1.8	0.4	1.4	...
1990	143,995	139,159	4.5	-0.4	104.3	99.4	105.0	-0.5	1.5	-2.0	...
1989											
First quarter	35,393	34,506	4.2	2.1	105.7	97.4	108.6	1.3	-0.3	1.6	...
Second quarter	33,685	34,866	-4.8	1.0	106.2	98.2	108.1	0.4	0.9	-0.5	...
Third quarter	34,138	35,128	1.3	0.8	104.2	97.7	106.6	-1.9	-0.5	-1.4	...
Fourth quarter	34,549	35,181	1.2	0.2	103.8	97.6	106.3	-0.4	-0.1	-0.3	...
1990											
First quarter	35,428	35,007	2.5	-0.5	104.3	99.5	104.8	0.5	1.9	-1.4	...
Second quarter	37,119	35,502	4.8	1.4	102.9	98.5	104.6	-1.3	-1.0	-0.3	...
Third quarter	36,579	34,879	-1.5	-1.8	103.3	98.7	104.7	0.4	0.3	0.1	...
Fourth quarter	34,869	33,771	-4.7	-3.2	106.3	101.5	104.7	2.8	2.8	0.0	...
1991											
First quarter	34,502	33,266	-1.1	-1.5	103.2	99.3	103.8	-3.0	-2.1	-0.8	...
Second quarter	36,479	34,435	5.7	3.5	100.9	97.9	103.1	-2.2	-1.5	-0.7	...
Third quarter	37,558	36,814	3.0	6.9	99.5	97.6	102.0	-1.4	-0.4	-1.0	...
1990											
January	11,378	11,451	-2.4	-2.2	103.6	98.6	105.1	0.1	1.4	-1.3	...
February	11,636	11,785	2.3	2.9	105.7	100.5	105.2	2.0	2.0	0.1	...
March	12,413	11,771	6.7	-0.1	103.7	99.4	104.3	-2.0	-1.1	-0.9	...
April	12,244	11,993	-1.4	1.9	103.0	98.5	104.5	-0.6	-0.9	0.2	...
May	12,343	11,706	0.8	-2.4	103.3	98.7	104.7	0.3	0.2	0.1	...
June	12,531	11,803	1.5	0.8	102.5	98.3	104.3	-0.7	-0.4	-0.3	...
July	12,405	11,890	-1.0	0.7	101.4	97.8	103.7	-1.1	-0.5	-0.6	...
August	12,375	11,754	-0.2	-1.1	102.6	98.1	104.6	1.2	0.3	0.9	...
September	11,799	11,235	-4.7	-4.4	105.9	100.4	105.5	3.2	2.3	0.8	...
October	11,918	11,523	1.0	2.6	106.9	101.4	105.4	1.0	1.0	-0.1	...
November	11,480	11,217	-3.7	-2.7	106.6	101.9	104.6	-0.3	0.5	-0.8	...
December	11,471	11,032	-0.1	-1.7	105.4	101.4	103.9	-1.1	-0.5	-0.6	...
1991											
January	11,524	11,387	0.5	3.2	104.5	100.0	104.5	-0.8	-1.4	0.6	...
February	11,381	10,967	-1.2	-3.7	103.3	99.3	104.0	-1.2	-0.8	-0.4	...
March	11,597	10,912	1.9	-0.5	101.8	98.9	103.0	-1.4	-0.4	-1.0	...
April	12,260	11,731	5.7	7.5	101.4	98.2	103.3	-0.4	-0.7	0.3	...
May	12,032	11,091	-1.9	-5.5	101.0	97.9	103.1	-0.4	-0.3	-0.1	...
June	12,187	11,614	1.3	4.7	100.4	98.0	102.5	-0.5	0.1	-0.6	...
July	12,566	12,258	3.1	5.5	100.3	97.8	102.6	-0.1	-0.2	0.1	...
August	12,813	11,880	2.0	-3.1	99.5	97.6	102.0	-0.8	-0.2	-0.6	...
September	12,179	12,677	-5.0	6.7	98.7	97.4	101.3	-0.8	-0.2	-0.6	...
Year-to-date											
1990	109,126	105,388	5.7	0.9							
1991	108,538	104,515	-0.5	-0.8							

(1) The Paasche current weighted price index used to calculate constant dollars can be derived by dividing current values by the constant dollars above.

(2) The Laspeyres price index uses fixed weights based on 1986 trade and therefore reflects changes in price only.

(3) The Terms of Trade are the ratios of export price indexes to import price indexes, multiplied by 100.

(4) Change over previous period.

Note: Due to rounding, monthly data may not add up to quarterly data and quarterly data may not add up to annual data.

...figures not appropriate.

Table 6  
**Exports by Commodity Groupings in 1986 Dollars**  
 September 1991  
 Balance of Payments Basis

	Seasonally adjusted					Raw values		
	July	Aug.	Sept.	Year-to-date		Percentage change		
				Value	% change	Sept. '91/ Sept. '90	Sept. '90/ Sept. '89	Sept. '89/ Sept. '88
	\$ millions							
<b>AGRICULTURAL AND FISHING PRODUCTS</b>	1,275	1,118	1,020	10,482	11.1	6.2	2.5	-3.1
Wheat	536	364	293	3,436	34.4	29.6	9.4	-19.6
Other agricultural and fishing products	739	753	728	7,046	2.5	-0.5	0.6	2.4
<b>ENERGY PRODUCTS</b>	1,342	1,341	1,354	12,358	9.6	0.2	12.9	5.0
Crude petroleum *	351	397	387	3,696	17.2	8.6	-2.3	2.7
Natural gas	475	436	449	4,140	4.1	-4.0	15.8	16.8
Other energy products	516	508	518	4,522	9.0	-2.0	23.5	-1.8
<b>FORESTRY PRODUCTS</b>	1,541	1,537	1,625	14,327	0.1	8.5	-8.3	3.3
Lumber and sawmill products	512	515	529	4,791	-6.4	-1.3	-12.0	13.7
Woodpulp and other wood products	372	351	400	3,359	12.2	22.8	-11.3	1.2
Newsprint and other paper and paperboard	658	671	696	6,177	-0.4	9.3	-3.2	-3.7
<b>INDUSTRIAL GOODS AND MATERIALS</b>	2,669	2,384	2,547	21,830	-0.6	5.9	-6.5	8.7
Metal ores	479	371	311	3,275	-6.5	-14.5	4.9	-8.8
Chemicals, plastics and fertilizers	586	587	627	5,240	-2.0	5.9	-3.1	1.2
Metals and alloys	1,065	932	1,118	8,928	6.1	19.0	-16.1	33.1
Other industrial goods and materials	539	494	492	4,386	-6.8	0.2	0.7	-5.8
<b>MACHINERY AND EQUIPMENT</b>	2,235	2,836	2,386	21,517	3.4	13.3	4.4	2.6
Industrial and agricultural machinery	422	369	379	3,639	-8.3	-7.0	-1.9	0.6
Aircraft and other transportation equipment	442	853	509	4,791	11.6	19.8	7.9	4.8
Other machinery and equipment	1,371	1,614	1,498	13,088	4.4	17.3	5.3	2.5
<b>AUTOMOTIVE PRODUCTS</b>	3,066	3,254	2,818	24,288	-12.1	-3.4	2.4	-7.0
Passenger autos and chassis	1,695	1,756	1,452	12,741	-3.9	7.0	3.6	-10.1
Trucks and other motor vehicles	689	703	622	5,522	-18.2	-16.6	4.9	-0.4
Motor vehicle parts	681	794	744	6,024	-20.8	-8.8	-1.8	-7.3
<b>OTHER CONSUMER GOODS</b>	220	208	208	1,912	4.1	-0.3	15.2	-19.0
<b>SPECIAL TRANSACTIONS TRADE</b>	253	170	252	2,144	-4.4	0.3	85.3	6.9
<b>UNALLOCATED ADJUSTMENTS</b>	-35	-35	-33	-320	-14.2	-4.2	-36.6	-17.9
<b>TOTAL</b>	12,566	12,813	12,179	108,538	-0.5	4.4	1.6	0.8

\* Raw series

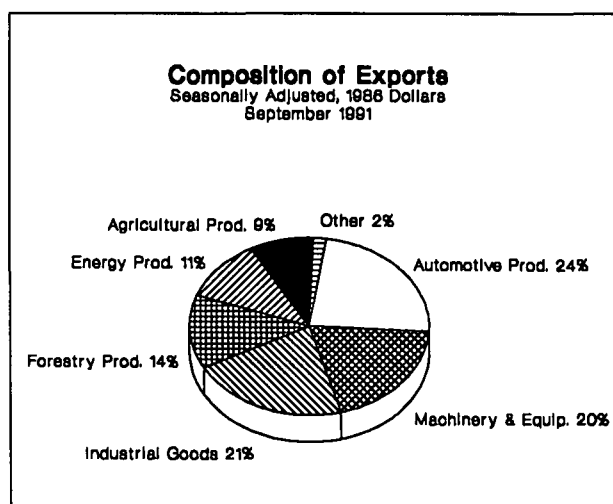
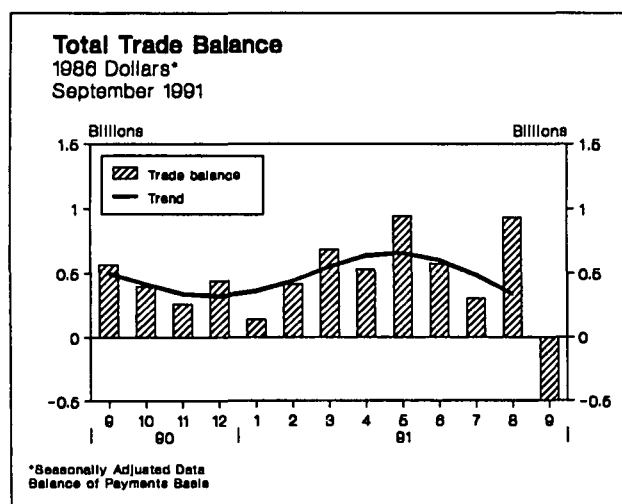


Table 7

**Imports by Commodity Groupings in 1986 Dollars**  
 September 1991  
 Balance of Payments Basis

	Seasonally adjusted					Raw values			
	July	Aug.	Sept.	Year-to-date		Percentage change			
				Value	% change	Sept.'91/ Sept.'90	Sept.'90/ Sept.'89	Sept.'89/ Sept.'88	
	\$ millions								
<b>AGRICULTURAL AND FISHING PRODUCTS</b>	756	722	827	6,756	1.9	14.2	-2.7	14.7	
Fruits and vegetables	230	214	245	2,074	-1.6	5.1	3.1	9.8	
Other agricultural and fishing products	526	507	582	4,682	3.5	17.8	-4.8	16.6	
<b>ENERGY PRODUCTS</b>	694	526	483	4,657	-13.8	-5.7	-0.2	-0.9	
Crude petroleum	438	372	323	3,028	-4.2	2.9	7.5	-1.0	
Other energy products	257	153	159	1,629	-27.5	-18.8	-9.9	-0.7	
<b>FORESTRY PRODUCTS</b>	102	86	96	822	-11.5	7.6	-17.1	19.6	
<b>INDUSTRIAL GOODS AND MATERIALS</b>	2,192	2,055	2,174	18,370	-5.5	-1.0	-2.0	6.2	
Metals and metal ores	510	476	487	4,377	-12.3	-16.7	-4.1	10.7	
Chemicals and plastics	761	713	773	6,313	-2.7	2.4	10.7	1.0	
Other industrial goods and materials	921	866	914	7,680	-3.5	8.1	-9.1	6.9	
<b>MACHINERY AND EQUIPMENT</b>	4,078	3,953	4,213	35,930	0.1	11.8	-7.0	3.5	
Industrial and agricultural machinery	1,003	974	949	8,567	-15.9	-4.9	-19.6	2.1	
Aircraft and other transportation equipment	506	389	384	4,102	8.3	-2.7	-7.8	-26.2	
Office machines and equipment	893	1,060	1,142	8,971	19.6	38.4	2.5	12.9	
Other machinery and equipment	1,676	1,531	1,737	14,290	-1.0	11.2	-2.3	10.3	
<b>AUTOMOTIVE PRODUCTS</b>	2,746	2,800	3,114	23,662	-0.8	29.6	-15.9	-6.7	
Passenger autos and chassis	956	985	1,049	8,035	8.9	50.1	-23.7	-13.7	
Trucks and other motor vehicles	310	318	409	2,841	0.2	38.0	-16.2	7.0	
Motor vehicle parts	1,480	1,497	1,655	12,786	-6.3	17.2	-11.3	-4.9	
<b>OTHER CONSUMER GOODS</b>	1,450	1,335	1,438	11,926	1.9	14.1	-2.4	7.2	
Apparel and footwear	242	231	264	2,012	-7.7	17.2	-12.6	15.3	
Miscellaneous consumer goods	1,207	1,104	1,174	9,914	4.1	13.6	-0.5	5.8	
<b>SPECIAL TRANSACTIONS TRADE</b>	315	481	413	3,089	38.7	66.1	-14.7	19.3	
<b>UNALLOCATED ADJUSTMENTS</b>	-76	-77	-80	-697	-1.8	16.4	-15.1	-1.9	
<b>TOTAL</b>	12,258	11,880	12,677	104,515	-0.8	13.9	-7.4	2.5	

