



**Department of  
Development**

Policy Research and Strategic Planning Office  
A State Affiliate of the U.S. Census Bureau

**Ohio Exports 2009  
Origin of Movement Series  
March 2010**



**Ted Strickland**, Governor of Ohio  
**Lee Fisher**, Lt. Governor of Ohio  
**Lisa Patt-McDaniel**, Director



## Department of Development

Ted Strickland, Governor  
Lee Fisher, Lt. Governor

Lisa Patt-McDaniel, Director

Dear Fellow Ohioans:

Ohio exports totaled \$34.1 billion in 2009, making Ohio the seventh-largest exporting state in the nation. The numbers released in February 2010 by the U.S. Department Commerce International Trade Administration show that Ohio exports declined 25 percent from the previous year, but despite the decrease, Ohio's overall strength in exports makes us the only state to increase exports in 10 of the past 11 years.

The enclosed annual report on Ohio exports provides summary detail on the countries and products that Ohio companies shipped to during 2009. Canada and Mexico are Ohio's largest trading partners, comprising 49 percent of the total value of shipments during the past year. Exports to China continued to grow despite the economic challenges, moving it to third in shipments. Six commodity groups ship more than \$1 billion each across the globe, and Machinery, Vehicles, and Aircraft are Ohio's leading product groups with \$15.2 billion in shipments.

Ohio's diverse industry base makes our state a global market leader. This diversity is complemented by a business environment that allows for professional success and an environment outside the office for personal fulfillment. Ohio's unique combination of life and work amenities makes our state a place of perfect balance, where you can achieve your professional and personal aspirations.

I invite you to review the attached report to further your understanding of Ohio's large and diverse economy. We welcome your input. If you have any questions or comments, please contact John Magill, our Department's Chief Strategic Officer, at (614) 466-2116.

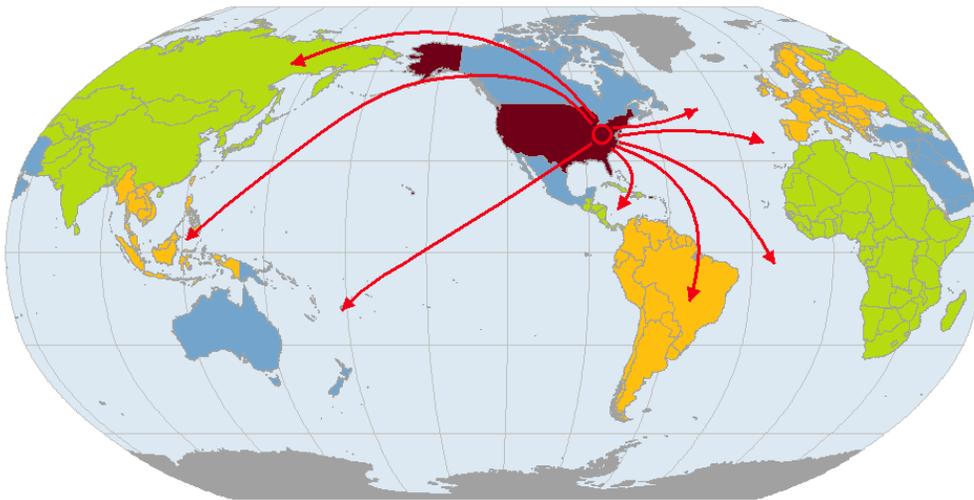
Sincerely,

Lisa Patt-McDaniel  
Director



# **Ohio Exports 2009**

## **Origin of Movement Series**



**March 2010**

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# QUICK FACTS



# Ohio Exports 2009

## Executive Summary

Ohio merchandise exports were valued at \$34.1 billion in 2009, a decrease of 25.3 percent from 2008. By comparison, the United States experienced a 17.9 percent decrease in exports since 2008.

### According to this report, in 2009:

- Ohio was the 7<sup>th</sup> largest exporting state.
- 213 countries and territories received exports from Ohio.
- 7 countries received over \$1 billion in Ohio exports.
- 36 of the 98 commodity groups recorded exports exceeding \$100 million with 6 surpassing \$1 billion.

### Leading Destinations:

- Exports to Canada totaled \$14.2 billion, 42 percent of the state figure. By comparison, U.S. exports to Canada were 19 percent of the national total.
- Shipments to Mexico totaled \$2.7 billion, Ohio's second largest market, a decline of 24 percent from 2008.
- European countries accounted for 20 percent of Ohio's exports. The four largest markets were United Kingdom (\$1.1 billion), the Greece (\$1.1 billion), Germany (\$1.0 billion), and France (\$0.8 billion). Total shipments to Europe were down 14 percent compared to 2008.
- Asian and Southeast Asian countries received 17 percent of Ohio's shipments. China was Ohio's third largest market, moving up from fourth, with exports increasing 3 percent to \$1.9 billion. Japan was Ohio's seventh largest market in 2009.
- Exports to South America accounted for 5 percent (\$1.7 billion) of the state figure, a decrease of 36 percent over the year. Shipments to the Middle East decreased 53 percent for a 4 percent share of Ohio's exports.

### Top Products:

- Machinery was Ohio's leading export (\$6.8 billion). Ohio was 5<sup>th</sup> among the 50 states in this category with 4 percent of the U.S. total.
- The top six categories (machinery, vehicles, aircraft, electrical machinery, plastics, and optics) accounted for 61 percent (\$20.8 billion) of the state total.
- Soaps, waxes, etc. was the only top ten category to experience an annual increase (1 percent). Electrical machinery decreased 14 percent while aircraft dropped 15 percent. Other changes include vehicles and iron & steel decreasing 48 percent and 42 percent respectively.



# Ohio Ranks First or Second in a Variety of Export Categories



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## Commodity

## Major Manufacturers

### Transportation Products

Aircraft engines  
Auto engines  
Auto wheels  
Auto A/C heating  
Auto brakes  
Auto shock absorbers  
Motor vehicle bodies  
Tires  
Additives

General Electric  
Honda, General Motors, Ford  
Alcoa, AAP St Marys  
Behr, Showa Aluminum, Valeo  
Nissin Brake, ADVICS  
Tenneco, American Showa, ThyssenKrupp  
Navistar, Commercial Vehicle Group  
Cooper Tire and Rubber  
Lubrizol

### Household Products

Washing machines  
Dishwashers  
Food processors  
Detergent  
Soap  
Paint & varnish

Whirlpool  
Whirlpool  
Whirlpool  
Procter & Gamble, Colgate-Palmolive  
St Bernard Soap, GOJO Industries  
Sherwin-Williams, PPG, Glidden, RPM

### Metal Products

Steel bar and rod  
Roller bearings  
Pipe fittings

Republic Engineered Products, Charter Steel  
Timken  
Swagelock, Parker Hannifin

### Machinery

ATMs  
Machine tools, forging  
Plastic making machinery  
Welding equipment

Diebold  
Minster Machine, Cincinnati Inc  
Demag Plastics, Milacron  
Lincoln Electric, ITW Hobart

### Glass

Safety glass  
Fiberglass  
Glassware

PPG, Guardian, Pilkington, AGC Automotive  
Owens Corning, Johns Manville  
Libbey, Anchor Hocking

### Food

Baked goods  
Jams and jellies

Pepperidge Farm, Interstate Brands  
JM Smucker

## **Employment Related to Manufactured Exports**



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Ohio had 362,200 jobs linked to manufactured exports in 2008. These jobs accounted for 7.9 percent of the private sector employment. For the U.S., manufactured-exports linked employment represented 5.9 percent of private sector employment.

Source: International Trade Administration and Bureau of the Census, U.S. Department of Commerce; [http://ita.doc.gov/td/industry/otea/state\\_reports/index.html](http://ita.doc.gov/td/industry/otea/state_reports/index.html) .

# Revisions

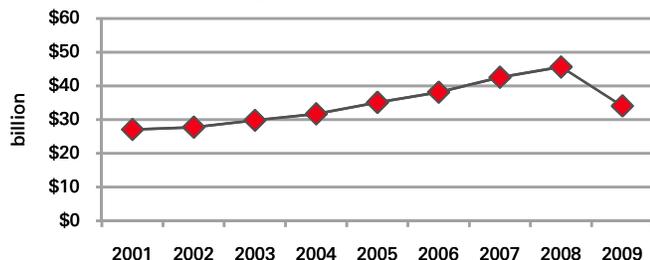
Annual exports for 2008 have been revised for data corrections and timing adjustments. Also, Harmonized Tariff Schedule (HS) commodity detail is suppressed for many aircraft-related commodities from 2004 to 2008. Suppressed aircraft commodities include many products in HS88 (Aircraft;spacecraft), but also aircraft parts such as turbojets, electronics, instrumentation and tires in HS codes 84 (Machinery), 85 (Electrical Machinery), 90 (Optics), 40 (Rubber), etc. All suppressed aircraft codes, starting in 2004 are now classified in HS88.

This modification caused significant changes to Ohio data. For example, the 2008 figure for Machinery in this years' report was revised downward to \$9.4 billion. Last year, before revisions and the suppression of detail of aircraft-related commodities, the 2008 figure was \$12.3 billion. Correspondingly, 2008 exports in Aircraft were revised upwardly from \$1.5 billion to \$4.6 billion. Data for earlier years were also affected. Effects on other classifications were much smaller.

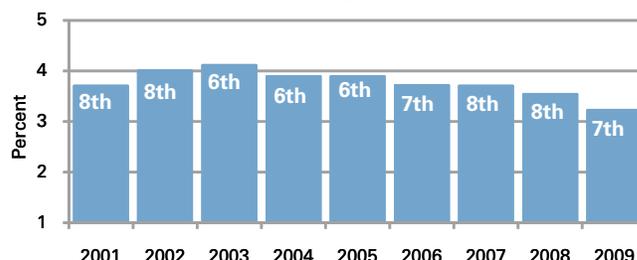
See <http://www.census.gov/foreign-trade/statistics/notices/aircraft/index.html> for more information regarding aircraft-related suppression.



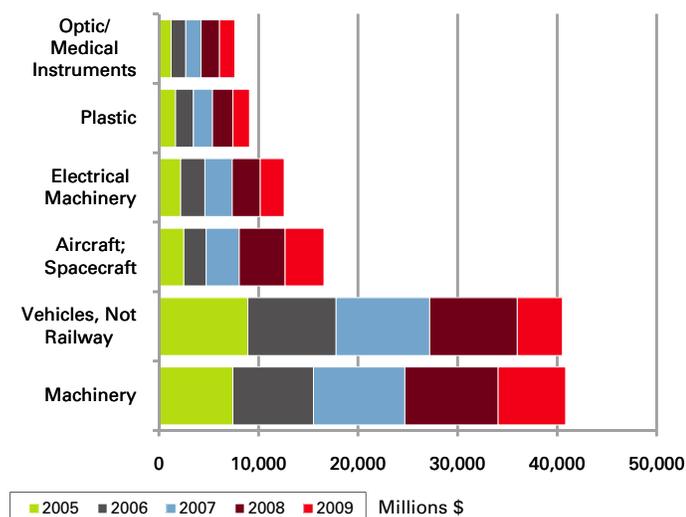
### Export Trends



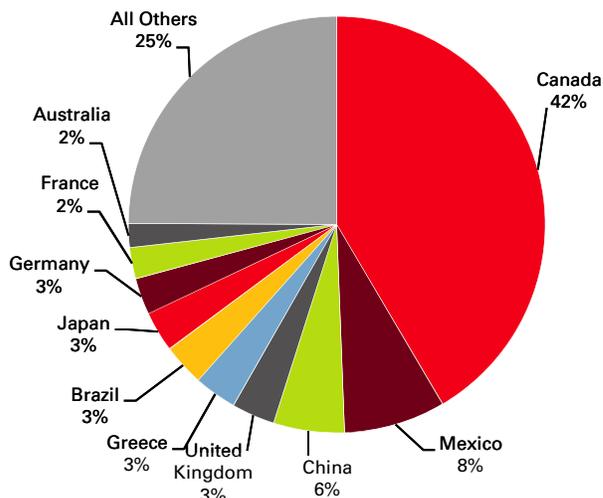
### Share of U.S. Exports & Rank



### Total Exports: 2005 to 2009



### Top Export Destinations: 2009



HS Code	Description	2005 Exports	2006 Exports	2007 Exports	2008 Exports	2009 Exports	% Change 08 to 09
<b>Total</b>		<b>\$35,110,493,790</b>	<b>\$38,161,413,584</b>	<b>\$42,562,233,016</b>	<b>\$45,627,982,845</b>	<b>\$34,083,697,044</b>	<b>-25.3%</b>
84	Machinery	\$7,426,183,869	\$8,091,865,356	\$9,158,000,657	\$9,373,085,220	\$6,783,154,785	-27.6%
87	Vehicles, Not Railway	\$8,932,965,233	\$8,835,751,584	\$9,419,172,824	\$8,782,832,321	\$4,563,284,005	-48.0%
88	Aircraft; Spacecraft	\$2,494,947,810	\$2,243,596,667	\$3,308,690,070	\$4,608,615,759	\$3,896,901,973	-15.4%
85	Electrical Machinery	\$2,177,705,546	\$2,436,300,162	\$2,753,188,598	\$2,790,044,152	\$2,406,420,640	-13.7%
39	Plastic	\$1,660,312,618	\$1,790,431,588	\$1,933,051,844	\$2,047,444,823	\$1,650,898,802	-19.4%
90	Optic/Medical Instruments	\$1,206,272,171	\$1,468,686,272	\$1,547,303,921	\$1,871,499,269	\$1,524,629,499	-18.5%
73	Iron/Steel Products	\$920,234,736	\$1,058,260,998	\$1,147,207,889	\$1,255,768,803	\$955,842,116	-23.9%
72	Iron & Steel	\$938,673,522	\$1,009,921,876	\$1,235,684,399	\$1,418,757,431	\$822,325,793	-42.0%
34	Soap, Waxes, etc	\$428,481,425	\$547,310,680	\$596,447,630	\$765,906,630	\$774,705,502	1.1%
40	Rubber	\$853,737,200	\$800,017,542	\$862,736,063	\$936,313,686	\$748,003,676	-20.1%
48	Paper, Paperboard	\$490,238,104	\$600,126,106	\$683,235,505	\$745,074,397	\$710,665,229	-4.6%
38	Misc. Chemical Products	\$612,448,936	\$1,085,614,273	\$891,030,128	\$898,217,212	\$700,707,520	-22.0%
33	Perfumery, Cosmetic, etc	\$375,119,675	\$471,508,933	\$501,969,377	\$615,137,734	\$601,069,468	-2.3%
30	Pharmaceutical Products	\$247,511,926	\$453,436,670	\$376,308,244	\$437,385,559	\$544,889,941	24.6%
27	Mineral Fuel, Oil, etc	\$423,663,778	\$520,006,950	\$536,415,421	\$751,894,754	\$509,188,899	-32.3%
32	Tanning, Dye, Paint, Putty	\$491,832,634	\$487,813,940	\$575,505,292	\$645,765,849	\$496,872,629	-23.1%
76	Aluminum	\$357,491,988	\$409,346,451	\$423,990,963	\$597,709,177	\$462,621,828	-22.6%
29	Organic Chemicals	\$557,912,445	\$407,461,950	\$473,238,870	\$527,284,842	\$357,568,196	-32.2%
98	Special Other	\$201,332,554	\$247,387,086	\$298,440,700	\$400,568,392	\$353,758,712	-11.7%
70	Glass & Glassware	\$407,487,349	\$494,872,047	\$534,618,819	\$476,787,124	\$351,399,728	-26.3%

# Ohio Exports to Selected Destinations



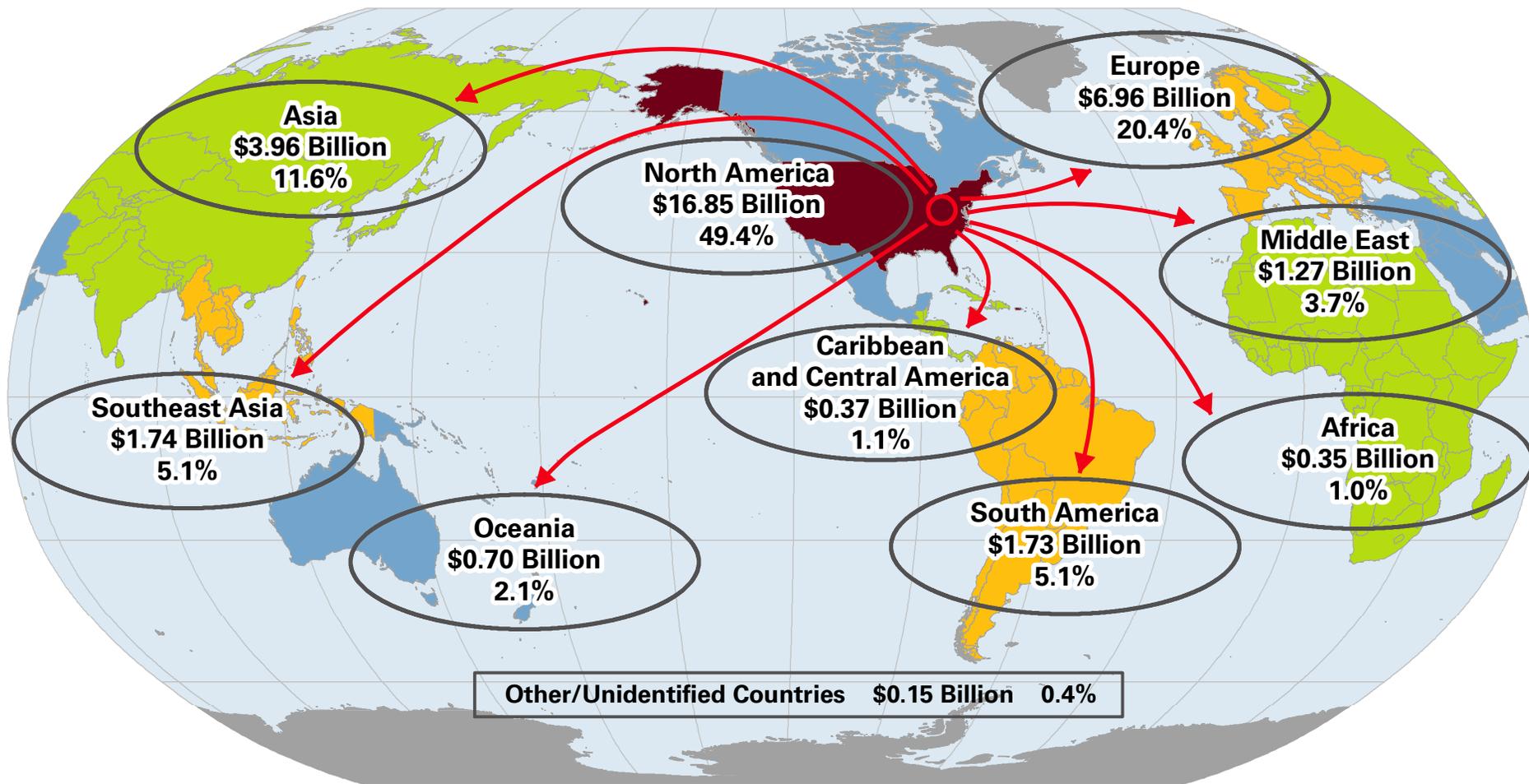
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Region/Country	2007	2008	2009	% Share 2009	% Change 08 to 09
<b>North America</b>	<b>\$22,796,072,303</b>	<b>\$23,611,939,851</b>	<b>\$16,847,969,446</b>	<b>49.4%</b>	<b>-28.6%</b>
Canada	\$19,796,654,928	\$20,062,236,608	\$14,152,302,241	41.5%	-29.5%
Mexico	\$2,995,489,054	\$3,543,577,311	\$2,688,524,226	7.9%	-24.1%
Remainder of North America	\$3,928,321	\$6,125,932	\$7,142,979	0.0%	16.6%
<b>Europe</b>	<b>\$7,848,137,088</b>	<b>\$8,063,711,919</b>	<b>\$6,963,229,480</b>	<b>20.4%</b>	<b>-13.6%</b>
United Kingdom	\$1,424,446,905	\$1,475,304,963	\$1,144,400,353	3.4%	-22.4%
Greece	\$38,353,042	\$27,726,559	\$1,125,053,564	3.3%	3957.7%
Germany	\$1,339,454,516	\$1,477,707,225	\$967,378,640	2.8%	-34.5%
France	\$980,506,744	\$1,120,514,591	\$825,066,097	2.4%	-26.4%
Netherlands	\$717,761,452	\$696,903,680	\$566,522,956	1.7%	-18.7%
Italy	\$690,862,448	\$623,964,794	\$522,441,645	1.5%	-16.3%
Belgium	\$723,538,832	\$727,161,117	\$468,719,059	1.4%	-35.5%
Switzerland	\$229,560,507	\$218,154,537	\$235,124,426	0.7%	7.8%
Spain	\$285,810,671	\$243,057,678	\$163,846,810	0.5%	-32.6%
Ireland	\$240,617,600	\$202,527,568	\$156,880,512	0.5%	-22.5%
Poland	\$413,035,392	\$450,283,601	\$143,187,421	0.4%	-68.2%
Sweden	\$136,552,797	\$150,097,530	\$143,047,103	0.4%	-4.7%
Hungary	\$83,050,574	\$108,148,705	\$85,945,436	0.3%	-20.5%
Remainder of Europe	\$544,585,608	\$542,159,371	\$415,615,458	1.2%	-23.3%
<b>Asia</b>	<b>\$4,364,610,949</b>	<b>\$4,716,928,032</b>	<b>\$3,959,701,978</b>	<b>11.6%</b>	<b>-16.1%</b>
China	\$1,498,252,418	\$1,818,908,552	\$1,873,724,653	5.5%	3.0%
Japan	\$1,542,562,463	\$1,511,792,939	\$1,066,739,368	3.1%	-29.4%
Korea, Republic Of	\$592,204,504	\$602,493,551	\$473,434,495	1.4%	-21.4%
India	\$336,545,076	\$426,953,909	\$380,397,892	1.1%	-10.9%
Russia	\$183,038,395	\$240,401,994	\$77,916,220	0.2%	-67.6%
Remainder of Asia	\$212,008,093	\$116,377,087	\$87,489,350	0.3%	-24.8%
<b>Southeast Asia</b>	<b>\$1,663,862,214</b>	<b>\$2,093,733,699</b>	<b>\$1,742,652,611</b>	<b>5.1%</b>	<b>-16.8%</b>
Singapore	\$471,569,289	\$606,733,043	\$447,816,667	1.3%	-26.2%
Hong Kong	\$356,658,059	\$444,275,426	\$406,624,165	1.2%	-8.5%
Taiwan	\$301,448,920	\$412,129,481	\$280,510,175	0.8%	-31.9%
Thailand	\$216,517,177	\$248,559,822	\$228,305,010	0.7%	-8.1%
Malaysia	\$112,772,995	\$143,254,439	\$155,481,166	0.5%	8.5%
Indonesia	\$102,379,234	\$89,743,073	\$84,018,023	0.2%	-6.4%
Remainder of Southeast Asia	\$102,516,540	\$149,038,415	\$139,897,405	0.4%	-6.1%
<b>South America</b>	<b>\$2,019,650,432</b>	<b>\$2,697,595,347</b>	<b>\$1,725,535,207</b>	<b>5.1%</b>	<b>-36.0%</b>
Brazil	\$1,334,743,003	\$1,962,949,672	\$1,113,846,638	3.3%	-43.3%
Venezuela	\$200,323,571	\$138,566,302	\$150,142,582	0.4%	8.4%
Chile	\$117,013,274	\$163,082,841	\$112,197,282	0.3%	-31.2%
Colombia	\$132,966,075	\$141,145,860	\$105,946,994	0.3%	-24.9%
Argentina	\$112,002,514	\$141,315,072	\$94,926,084	0.3%	-32.8%
Remainder of South America	\$122,601,995	\$150,535,600	\$148,475,627	0.4%	-1.4%
<b>Middle East</b>	<b>\$1,962,979,009</b>	<b>\$2,685,376,526</b>	<b>\$1,273,054,306</b>	<b>3.7%</b>	<b>-52.6%</b>
Israel	\$341,450,836	\$679,229,561	\$353,826,136	1.0%	-47.9%
Saudi Arabia	\$588,405,268	\$768,808,140	\$229,152,411	0.7%	-70.2%
United Arab Emirates	\$345,244,638	\$426,767,444	\$215,129,966	0.6%	-49.6%
Turkey	\$203,813,787	\$201,554,526	\$199,212,861	0.6%	-1.2%
Qatar	\$110,967,643	\$171,677,129	\$87,177,704	0.3%	-49.2%
Remainder of Middle East	\$373,096,837	\$437,339,726	\$188,555,228	0.6%	-56.9%
<b>Oceania</b>	<b>\$784,459,985</b>	<b>\$862,341,974</b>	<b>\$699,128,392</b>	<b>2.1%</b>	<b>-18.9%</b>
Australia	\$683,091,995	\$776,541,195	\$633,037,156	1.9%	-18.5%
Remainder of Oceania	\$101,367,990	\$85,800,779	\$66,091,236	0.2%	-23.0%
<b>Central America and Caribbean</b>	<b>\$411,924,491</b>	<b>\$403,408,926</b>	<b>\$373,538,113</b>	<b>1.1%</b>	<b>-7.4%</b>
<b>Africa</b>	<b>\$507,222,825</b>	<b>\$398,770,281</b>	<b>\$346,900,987</b>	<b>1.0%</b>	<b>-13.0%</b>
Republic Of South Africa	\$277,493,410	\$188,569,199	\$132,651,534	0.4%	-29.7%
Remainder of Africa	\$229,729,415	\$210,201,082	\$214,249,453	0.6%	1.9%
<b>Other/Unidentified Countries</b>	<b>\$203,313,720</b>	<b>\$94,176,290</b>	<b>\$151,986,524</b>	<b>0.4%</b>	<b>61.4%</b>
<b>Total All Countries</b>	<b>\$42,562,233,016</b>	<b>\$45,627,982,845</b>	<b>\$34,083,697,044</b>	<b>100.0%</b>	<b>-25.3%</b>

# Ohio Exports By Region 2009



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Development



Total Exports - \$34.08 Billion

# Ohio's Top Twenty Exports

## State Rank and Share of U.S. Exports

### 2009



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Description	State Rank	Share of U.S. Exports	Leading State	Share of U.S. Exports
<b>Machinery</b>	<b>5th</b>	<b>4.4%</b>	Texas	21.9%
<b>Vehicles, Not Railway</b>	<b>5th</b>	<b>6.2%</b>	Michigan	16.1%
Aircraft; Spacecraft	6th	4.7%	Washington	31.7%
Electrical Machinery	11th	1.9%	Texas	21.3%
<b>Plastic</b>	<b>5th</b>	<b>3.9%</b>	Texas	29.6%
Optic, Photo; Medical Instruments	13th	2.3%	California	20.6%
<b>Iron/Steel Products</b>	<b>3rd</b>	<b>6.9%</b>	Texas	28.2%
<b>Iron &amp; Steel</b>	<b>5th</b>	<b>5.3%</b>	California	13.5%
<b>Soap, Waxes, etc; Dental Preps</b>	<b>1st</b>	<b>15.5%</b>	<b>Ohio</b>	<b>15.5%</b>
<b>Rubber</b>	<b>3rd</b>	<b>7.8%</b>	Texas	20.2%
Paper, Paperboard	6th	5.2%	Texas	9.6%
Misc. Chemical Products	7th	3.9%	Texas	19.0%
Perfumery, Cosmetic, etc	6th	7.4%	New Jersey	15.6%
Pharmaceutical Products	16th	1.3%	Puerto Rico	32.5%
Mineral Fuel, Oil, etc	15th	0.9%	Texas	43.1%
<b>Tanning, Dye, Paint, Putty</b>	<b>3rd</b>	<b>8.7%</b>	California	10.8%
<b>Aluminum</b>	<b>4th</b>	<b>5.5%</b>	California	13.2%
Organic Chemicals	17th	1.2%	Texas	41.3%
Special Other	6th	1.2%	New York	8.4%
<b>Glass &amp; Glassware</b>	<b>2nd</b>	<b>8.5%</b>	Michigan	10.9%

**Size, Growth, and Concentration** are three types of measures used to assess the importance of an export to a state's economy.

In the "circle chart" that follows, circles are sized in proportion to export sales volume. Machinery, the 2009 sales leader, is represented by a circle with the largest diameter --- machinery is followed by vehicles and aircraft.

Growth is measured by the percentage change in product sales value from 2005 to 2009.

Concentration is a measure of a product's share of total state exports compared to the product's share of U.S. exports. The larger the concentration ratio, the more Ohio specializes in exporting that product. (In the chart, the larger the concentration ratio, the higher the center of the circle.)

Vehicles is the second largest Ohio export product group and is highly concentrated with a ratio of 1.9 (vehicles' share of Ohio's export total is a little less than two times greater than vehicles' share of U.S. exports).

The table that follows the circle chart includes products with more than \$50 million in 2009 total export sales. The table is organized by degree of concentration and then sorted by growth from 2008 to 2009.

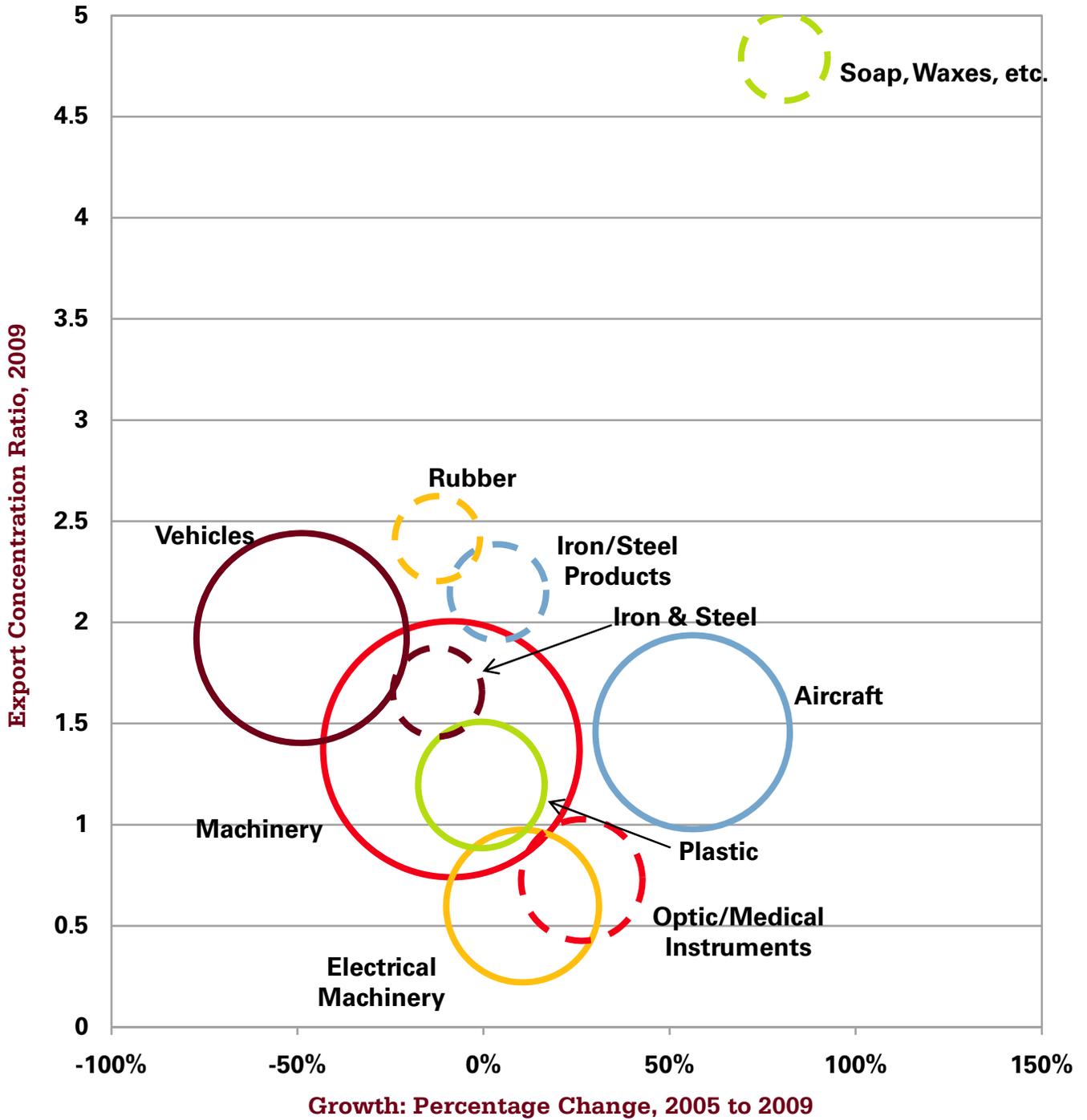
Canada is the leading market in 36 out of the 46 largest product categories. Looking at the 29 products that are relatively concentrated in Ohio, Canada is the market leader in all but five.

The last column lists growth markets. Selection took into account both absolute growth and percentage change from 2008 to 2009 as well as past trends. Growth markets vary widely. Canada had 31 entries while China had 5. Other countries with multiple entries include Mexico (3) and Japan (2).

# Ohio's Ten Largest Exporting Products Size, Growth and Concentration



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# Products (exports exceeding \$50 million) Sorted by Concentration and Growth



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Commodity Description	Exports 2009	Concentration Ratio	% Change 08 to 09	Leading Market	Leader's Share	Growth Market
All Ohio Exports	\$34,083,697,044		-25%	Canada	42%	
<b>High Concentration</b>						
Arms & Ammunition	\$306,825,370	<b>2.8</b>	<b>64%</b>	Israel	59%	Israel
Misc. Articles Of Base Metal	\$326,237,914	<b>3.2</b>	4%	Canada	52%	Canada
Stone, Plaster, Cement, etc	\$181,465,159	<b>2.6</b>	3%	Canada	43%	Canada
Baking Related	\$192,435,269	<b>2.1</b>	3%	Canada	83%	Canada
<b>Soap, Waxes, etc; Dental Preps</b>	\$774,705,502	<b>4.8</b>	1%	Canada	75%	Canada
Perfumery, Cosmetic, etc	\$601,069,468	<b>2.3</b>	-2%	Canada	70%	Canada
<b>Rubber</b>	\$748,003,676	<b>2.4</b>	-20%	Canada	47%	Mexico
Tanning, Dye, Paint, Putty	\$496,872,629	<b>2.7</b>	-23%	Canada	43%	Mexico
<b>Iron/Steel Products</b>	\$955,842,116	<b>2.1</b>	-24%	Canada	46%	Canada
Glass & Glassware	\$351,399,728	<b>2.6</b>	-26%	Canada	57%	Canada
Tools/Cutlry Of Base Metals	\$322,055,590	<b>2.7</b>	-28%	Canada	41%	Canada
Other Base Metals, etc	\$213,573,251	<b>3.7</b>	-41%	U.K.	25%	Canada
<b>Concentrated</b>						
Albumins; Modified Starch; Glue	\$104,019,939	<b>1.4</b>	4%	Canada	38%	Canada
Salt; Sulfur; Earth, Stone	\$56,637,753	<b>1.1</b>	3%	Canada	58%	Canada
Wadding, Felt, Twine, Rope	\$54,873,972	<b>1.0</b>	1%	Canada	74%	Canada
Paper, Paperboard	\$710,665,229	<b>1.6</b>	-5%	Canada	83%	Canada
Prepared Meat, Fish, etc	\$53,057,262	<b>1.1</b>	-5%	Canada	75%	Canada
<b>Aircraft; Spacecraft</b>	\$3,896,901,973	<b>1.5</b>	-15%	Greece	28%	Brazil
Furniture & Bedding	\$342,702,124	<b>1.5</b>	-18%	Canada	72%	Canada
<b>Plastic</b>	\$1,650,898,802	<b>1.2</b>	-19%	Canada	41%	Canada
Misc. Chemical Products	\$700,707,520	<b>1.2</b>	-22%	Canada	32%	Canada
Aluminum	\$462,621,828	<b>1.7</b>	-23%	Canada	32%	Mexico
Copper & Articles Thereof	\$264,704,704	<b>1.6</b>	-25%	China	36%	China
Wood	\$188,356,206	<b>1.1</b>	-25%	Canada	30%	Canada
<b>Machinery</b>	\$6,783,154,785	<b>1.4</b>	-28%	Canada	37%	Canada
Ceramic Products	\$76,796,343	<b>2.0</b>	-37%	Canada	45%	Canada
<b>Iron &amp; Steel</b>	\$822,325,793	<b>1.7</b>	-42%	Canada	71%	Canada
Nickel & Articles Thereof	\$63,193,694	<b>1.5</b>	-42%	Turkey	26%	Singapore
<b>Vehicles, Not Railway</b>	\$4,563,284,005	<b>1.9</b>	-48%	Canada	73%	Canada
<b>Low Concentration</b>						
Miscellaneous Food	\$94,088,751	0.6	<b>10%</b>	Canada	62%	Canada
Preserved Food	\$88,880,647	0.8	6%	Canada	88%	Canada
Food Waste; Animal Feed	\$171,003,792	0.7	3%	Canada	59%	Canada
Fertilizers	\$67,899,738	0.5	-9%	Canada	55%	Canada
Book & Newspaper; Manuscript	\$107,908,104	0.6	-11%	Canada	44%	Canada
Toys & Sports Equipment	\$121,235,157	0.5	-12%	Canada	49%	Canada
<b>Electrical Machinery</b>	\$2,406,420,640	0.6	-14%	Canada	34%	China
<b>Optic, Photo; Medical Instruments</b>	\$1,524,629,499	0.7	-19%	Canada	13%	China
<b>Very Low Concentration</b>						
Misc. Grain, Seed, Fruit	\$312,440,593	0.5	<b>46%</b>	China	14%	Japan
Pharmaceutical Products	\$544,889,941	0.4	<b>25%</b>	Belgium	21%	Belgium
Woodpulp, etc	\$53,838,172	0.2	-9%	China	20%	China
Special Other	\$353,758,712	0.4	-12%	U.K.	14%	U.K.
Cereals	\$60,873,227	0.1	-23%	Canada	81%	Canada
Precious Stones, Metals	\$139,742,307	0.1	-27%	Japan	34%	Japan
Inorg. Chem.;Rare Earth Metals	\$162,293,138	0.5	-32%	Canada	34%	Canada
Organic Chemicals	\$357,568,196	0.4	-32%	Canada	22%	China
Mineral Fuel, Oil, etc	\$509,188,899	0.3	-32%	Canada	74%	Canada

The top 10 export categories, based on shipment value, are highlighted in red.

# Metropolitan Area Exports

The Cincinnati-Middletown Metropolitan Area had exports of \$15.3 billion in 2007 which led the 16 metropolitan areas in or partially-in Ohio. This figure represented a 21 percent increase over the previous year. Nearly half, \$5.9 billion, of the exports were in the transportation equipment sector with chemicals a distant second at \$2.1 billion. Canada was the destination of \$3.6 billion of the exports with Mexico receiving \$1.5 billion.

The Cleveland-Elyria-Mentor Metropolitan Area was second in exports at \$8.8 billion, an increase of 6 percent over 2006. Chemicals accounted for 19 percent of exports followed closely by machinery at 18 percent. Nearly \$3 billion in exports were sent to Canada while Mexico was next at \$1.1 billion.

Third in exports was the Dayton Metropolitan Area at \$4.3 billion, an increase of 3 percent. Over 57 percent, \$2.5 billion, of the exports were transportation equipment. Computer and electronic equipment accounted for \$497 million. Canada was the destination for \$1.1 billion of the total exports for the area.

Metropolitan Area	2006 Exports	2007 Exports	Leading Sector (3-digit NAICS)	2007 Sector Value
Cincinnati-Middletown, OH-KY-IN	\$12,708,443,269	\$15,359,176,999	Transportation Equip.	\$7,113,819,078
Cleveland-Elyria-Mentor, OH	\$8,262,669,732	\$8,751,154,746	Chemicals	\$1,693,675,698
Dayton, OH	\$4,215,013,873	\$4,348,127,067	Transportation Equip.	\$2,491,736,086
Akron, OH	\$3,498,725,476	\$3,956,344,977	Chemicals	\$1,234,997,099
Columbus, OH	\$3,260,169,690	\$3,489,331,353	Transportation Equip.	\$691,204,490
Toledo, OH	\$1,997,855,856	\$2,159,368,560	Transportation Equip.	\$334,851,702
Canton-Massillon, OH	\$1,352,560,507	\$1,543,149,854	Fabricated Metal Prod.	\$480,856,018
Youngstown-Warren-Boardman, OH-PA	\$1,337,558,859	\$1,364,021,254	Transportation Equip.	\$766,491,119
Parkersburg-Marietta-Vienna, WV-OH	\$920,692,908	\$975,434,557	Chemicals	\$807,918,890
Lima, OH	\$295,245,431	\$817,666,133	Chemicals	\$44,554,405
Huntington-Ashland, WV-KY-OH	\$323,699,045	\$384,553,454	Primary Metal Mfg.	\$158,426,776
Mansfield, OH	\$345,394,404	\$342,518,175	Machinery, Except Elec.	\$66,303,325
Sandusky, OH	\$253,299,720	\$289,313,386	Machinery, Except Elec.	\$62,039,095
Springfield, OH	\$380,161,892	\$286,136,042	Transportation Equip.	\$155,099,581
Weirton-Steubenville, WV-OH	\$153,205,226	\$139,077,136	Primary Metal Mfg.	\$72,148,492
Wheeling, WV-OH	\$207,879,129	\$59,512,286	Machinery, Except Elec.	\$19,569,924

It should be noted that metropolitan area exports are ZIP code based while the rest of this report is origin state based. While the original source of the data is the same the totals for the state can differ because of how the export declarations are completed.

Source: International Trade Administration, U.S. Department of Commerce;  
<http://ita.doc.gov/td/industry/otea/metro> .