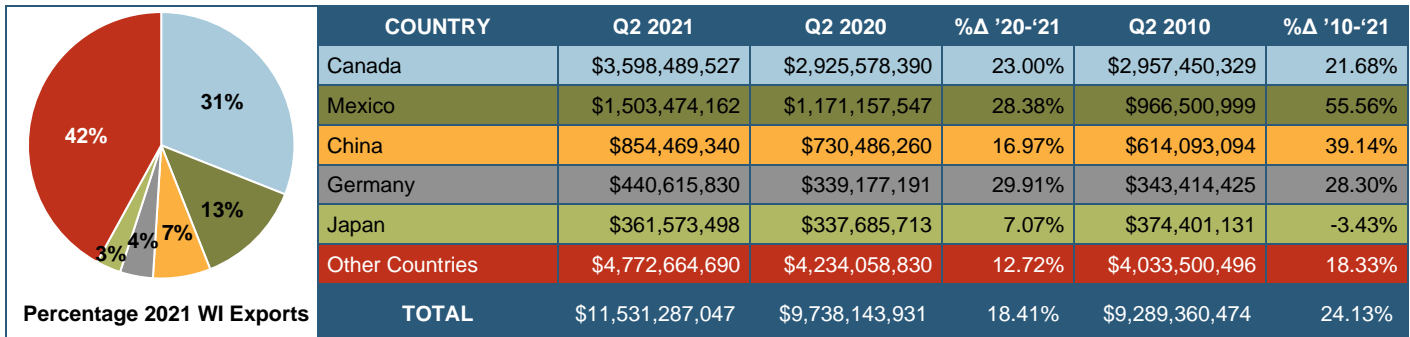


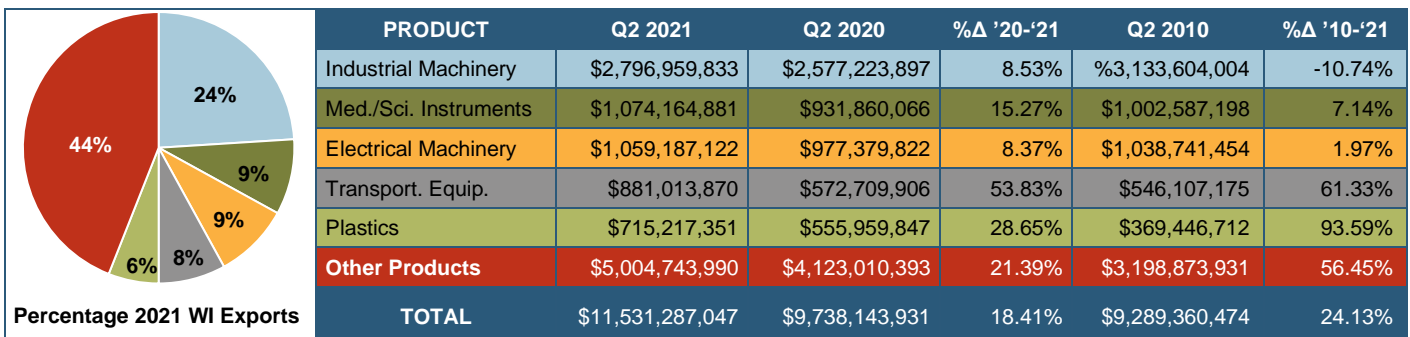
HIGHLIGHTS: JANUARY-JUNE 2021

- During the first half of 2021, Wisconsin businesses exported a total of \$11,531,287,047 worth of products to countries around the world. That is 18.41% more than in the first six months of 2020. Total U.S. exports grew by 23.14% during the that same period. Wisconsin ranks 21st among the 50 states in exports.
- Vehicle and parts exports increased by the greatest dollar volume, up by over \$308.3 million, or a 53.83% increase. Subcategories that saw major growth included tractors, auto parts, military vehicles and trailers. Industrial machinery continues to be Wisconsin's top export category. The category grew by just under \$219.7 million, or 8.53%. If all the agriculture-related categories were grouped together in one super-category, it would total \$1.9 billion, up 21.20% over 2020.
- Wisconsin's exports to Canada, the state's top export destination, grew by 23.0% across a wide variety of product categories. Exports to Belgium grew by over \$137 million, thanks in a large part to increased exports of vehicles and parts and industrial machinery. Shipments to Switzerland grew by \$90 million, a 232.89% increase, with major increases in aviation equipment and organic chemicals.
- Wisconsin's imports grew by 37.56% in the first half, and totaled \$16.7 billion. The #1 category, industrial machinery, was up by 45.29%, followed by pharmaceuticals, which grew by 61.52%. China is the source for just over 20.3% of Wisconsin imports, followed by Canada and Mexico at 16.6% and 8.8% respectively.

TOP EXPORT DESTINATIONS: JANUARY-JUNE 2021



TOP EXPORT PRODUCTS: JANUARY-JUNE 2021



DATA SOURCE

The U.S. Census Bureau is the official source for U.S. export and import data, including data by individual state. WEDC subscribes to WISERTrade, an online service from the World Institute for Strategic Economic Research in Leverett, MA, that converts the raw Census data into a more user-friendly format, <http://www.wisetrade.org/>.



- Data on **agricultural and food products** exports appear in multiple categories. If they were added together into a single super-category, it would total \$1.9 billion for the first six months of 2020. That would be right after the #1 category of industrial machinery, but ahead of medical and scientific instruments. This super-category grew by 21.20% between the first half of 2020 and the same period in 2021.
 - Prepared vegetables, fruits and nuts have taken over the top subcategory, followed by miscellaneous edible preparations, which would rank 11th on its own, and wood products, which would rank 15th.
 - Over one-third of Wisconsin's agricultural exports went to Canada during the first six months of the year. Canadian purchases from Wisconsin were 19.09% above the 2020 figure.
 - China's purchases of Wisconsin agricultural products are up 39.10%, and Mexico's are up 96.01%.
 - The Department of Agriculture and Consumer Trade and Protection provides a deeper look at agriculture exports: https://datcp.wi.gov/Pages/Growing_WI/ExportStatistics.aspx
- **Industrial machinery** is a very broad product category including heating and cooling equipment, construction equipment, machine tools, computers, food processing, machinery used to make other products, and many other items.
 - With a 97.68% increase, harvesting machinery became the largest subcategory in 2021. Shipments within this subcategory to Canada grew by 389.58% after a very poor first six months of 2020. Exports to Australia in the subcategory grew by 109.51%.
 - Transmission shafts, bearings and gears is the second-largest subcategory, with more modest growth of 9.60%. Canada purchases the most of this subcategory, but the 2021 value was 9.63% below the value in 2020. Chile's imports in the subcategory grew by 64.85%.
 - Spark ignition reciprocal or rotary engines ranked third, with 9.77%.
 - Wisconsin's imports of industrial machinery totaled \$3.6 billion, an increase of 45.29% over 2020.
 - China is the source for 28.61% of Wisconsin's industrial machinery imports.
- Wisconsin's exports of **medical and scientific instruments** grew by 15.27%.
 - X-ray apparatus accounted for 27.04% of Wisconsin's medical and scientific instruments exports.
 - Medical, surgical, dental and veterinary instruments accounted for 24.68% of the category.
 - China is the leading purchaser in this category, and Wisconsin exports to that country grew by 39.98%.
 - Canada ranks second, but its purchases were less than half of China's.
 - Japan and the United Kingdom were among the few major markets that imported less medical and scientific instruments from Wisconsin in the first half of 2021 compared to 2020.
- The **electrical machinery** category grew by 8.37%, with strong performances by electrical generating sets, insulated wire and cable, and unrecorded media for sound, which grew by 33.06%, 33.62% and 56.88% respectively.
 - Canada is the destination for 25.12% of Wisconsin's electrical machinery exports.
 - Mexico follows with 20.39%.
- The **vehicles and parts** category grew by 53.83%. Parts for motor vehicles totaled \$325 million and accounted for 36.86% of the category; 87.90% are shipped to either Mexico or Canada.
- Wisconsin's **plastics** exports grew by 28.65%.
 - Purchases by Costa Rica grew by 197.63%, and the country currently ranks between Germany and France as the #5 destination for Wisconsin plastics exports.
- Wisconsin's exports of **pharmaceutical products** grew by 67.99% and totaled \$273.9 million in the first half of 2021. Purchases by France were up 165.22% and purchases by China were up by 164.68%. Pharmaceutical products are Wisconsin's #2 import category at \$2.2 billion. Ireland was the supplier of 61.56% of that total.



- Almost half, 42.06%, of all of Wisconsin's exports went to other countries in **North America** during the first six months of 2021. Just over a quarter, 25.32%, of the state's imports came from the U.S.' immediate neighbors, Canada and Mexico. China accounts for 20.32% of Wisconsin's imports.
- **Canada** continues to be Wisconsin's top trading partner. This shows both the highly integrated Great Lakes manufacturing sector and the strong trade in paper and energy raw materials.
 - Wisconsin ranks 12th among the 50 states in exports to Canada and 15th in imports.
 - Industrial machinery and plastic products are among Wisconsin's top five product categories for both Canada's exports to and its imports from Wisconsin.
 - Wisconsin exports of industrial machinery saw the greatest dollar value increase during the first six months of 2021 compared to the same period in 2020, up \$162.6 million.
 - Vehicles and parts grew by \$151.6 million.
 - Wisconsin exports of mineral fuel to Canada declined by \$9.9 million, but Wisconsin imports from Canada in that category grew by \$74.6 million.
- **Mexico** ranks second as an export destination for Wisconsin. Purchases from Wisconsin were up by 23.00%.
 - Mexican purchases in a large number of product categories grew by significant double digits, including:
 - Industrial machinery, up \$162.5 million, or 24.75%
 - Vehicles and parts, up \$151.6 million, or 81.14%
 - Edible prepared meats and fish, up \$30.2 million, or 46.51%
 - Medical and scientific instruments, up \$28.2 million, or 42.75%
 - The biggest decline was in Wisconsin exports of mineral fuel, down \$18.5 million, or 32.29%.
- The **European Union** was the destination for \$1.9 billion worth of Wisconsin exports, making up 16.36% of the state's exports in the first six months of 2021. Wisconsin's exports to the EU are less than what was shipped to Canada, but more than what was shipped to Mexico. The trading bloc was also the source for \$4.76 billion in imports, or 28.52% of Wisconsin's total imports of goods.
 - Wisconsin's exports to **Germany** grew by 29.91% between the first halves of 2020 and 2021. Industrial machinery exports grew by 21.23%. Organic chemicals and miscellaneous chemical products grew by 111.97% and 185.85% respectively.
 - While **Belgium** itself is a small country, it is a major logistical hub for shipments ultimately destined for other parts of Europe. Wisconsin exports to Belgium grew by 66.47%. Vehicles and parts and pharmaceutical exports grew by 2,144.86% and 1,153.67% respectively. The change in vehicles and parts was due primarily to tractors and special purpose vehicles. Industrial machinery, the largest product category, grew by 36.29%.
 - With the **United Kingdom's** departure from the EU, many Wisconsin exporters may have held back on shipments in the initial months of 2020. During the first three months of 2021, Wisconsin exports to the UK declined by 1.85%, but as of the end of the second quarter, they were up 11.36% compared to the first six months of last year.
- **China** was the destination for \$854.5 million worth of Wisconsin exports and the source for \$3.4 billion worth of Wisconsin imports.
 - Wisconsin's exports of medical and scientific instruments to China grew by 39.89% and is the top product category. Chinese purchases of pharmaceutical products from Wisconsin grew by 164.68%.
 - Wisconsin exports of electrical machinery to China declined by 8.45%.
 - Wisconsin's total imports from China grew by 44.67%, with multiple categories growing between 40 and 60%:
 - Industrial machinery, up \$1 billion or 59.05%
 - Electrical machinery, up \$633 million or 40.61%
 - Medical and scientific instruments, up \$275.8 million or 45.88%
 - Furniture and bedding, up \$222.5 million or 42.68%



TOP WISCONSIN EXPORT DESTINATIONS sorted by January-June 2021

| Country | Full Year 2020 | Q2 2020 | Q2 2021 | %Δ '20-'21 | Q2 2010 | %Δ '10-'21 |
|-----------------|-------------------------|------------------------|-------------------------|---------------|------------------------|---------------|
| Canada | \$6,246,874,352 | \$2,925,578,390 | \$3,598,489,527 | 23% | \$2,957,450,329 | 21.68% |
| Mexico | \$2,569,519,825 | \$1,171,157,547 | \$1,503,474,162 | 28.38% | \$966,500,999 | 55.56% |
| China | \$1,552,172,760 | \$730,486,260 | \$854,469,340 | 16.97% | \$614,093,094 | 39.14% |
| Germany | \$720,979,659 | \$339,177,191 | \$440,615,830 | 29.91% | \$343,414,425 | 28.30% |
| Japan | \$685,116,774 | \$337,685,713 | \$361,573,498 | 7.07% | \$374,401,131 | -3.43% |
| United Kingdom | \$625,888,467 | \$314,224,456 | \$349,913,281 | 11.36% | \$315,361,305 | 10.96% |
| Belgium | \$381,154,347 | \$206,223,300 | \$343,291,299 | 66.47% | \$182,057,054 | 88.56% |
| Australia | \$563,672,365 | \$270,898,907 | \$287,350,585 | 6.07% | \$274,228,506 | 4.79% |
| South Korea | \$508,007,351 | \$260,666,325 | \$267,591,239 | 2.66% | \$143,880,222 | 85.98% |
| France | \$371,185,718 | \$168,220,491 | \$238,068,213 | 41.52% | \$248,844,886 | -4.33% |
| Netherlands | \$428,257,778 | \$207,032,555 | \$234,215,354 | 13.13% | \$180,441,948 | 29.80% |
| Brazil | \$302,412,741 | \$144,140,181 | \$177,552,440 | 23.18% | \$264,829,666 | -32.96% |
| Chile | \$355,069,134 | \$170,644,854 | \$172,985,957 | 1.37% | \$216,495,845 | -20.10% |
| Singapore | \$252,137,962 | \$132,362,891 | \$163,580,102 | 23.58% | \$129,720,296 | 26.10% |
| Thailand | \$290,436,293 | \$189,485,599 | \$147,230,727 | -22.30% | \$107,929,859 | 36.41% |
| Switzerland | \$105,126,704 | \$38,769,211 | \$129,059,509 | 232.89% | \$21,358,497 | 504.25% |
| India | \$206,749,255 | \$102,670,073 | \$126,380,242 | 23.09% | \$116,454,668 | 8.52% |
| Italy | \$262,107,239 | \$125,692,739 | \$121,806,320 | -3.09% | \$119,576,660 | 1.86% |
| Other Countries | \$4,072,714,437 | \$1,903,027,248 | \$2,013,639,422 | 5.81% | \$1,712,321,084 | 17.60% |
| TOTAL | \$20,499,583,161 | \$9,738,143,931 | \$11,531,287,047 | 18.41% | \$9,289,360,474 | 24.13% |

TOP WISCONSIN EXPORT PRODUCTS sorted by January-June 2021

| Product | Full Year 2020 | Q2 2020 | Q2 2021 | %Δ '20-'21 | Q2 2010 | %Δ '10-'21 |
|------------------------------------|-------------------------|------------------------|-------------------------|---------------|------------------------|---------------|
| Industrial Machinery | \$5,249,612,366 | \$2,577,223,897 | \$2,796,959,833 | 8.53% | \$3,133,604,004 | -10.74% |
| Medical and Scientific Instruments | \$2,037,753,347 | \$931,860,066 | \$1,074,164,881 | 15.27% | \$1,002,587,198 | 7.14% |
| Electrical Machinery | \$2,023,065,229 | \$977,379,822 | \$1,059,187,122 | 8.37% | \$1,038,741,454 | 1.97% |
| Vehicles and Parts | \$1,337,270,783 | \$572,709,906 | \$881,013,870 | 53.83% | \$546,107,175 | 61.33% |
| Plastics | \$1,146,331,427 | \$555,959,847 | \$715,217,351 | 28.65% | \$369,446,712 | 93.59% |
| Paper Products | \$723,358,197 | \$352,377,135 | \$377,540,879 | 7.14% | \$390,131,540 | -3.23% |
| Misc. Chemical Products | \$538,708,097 | \$266,351,384 | \$287,472,349 | 7.93% | \$122,054,818 | 135.53% |
| Pharmaceuticals | \$315,762,765 | \$163,071,028 | \$273,944,964 | 67.99% | \$94,938,140 | 188.55% |
| Articles of Iron/Steel | \$385,486,465 | \$173,430,135 | \$242,263,002 | 39.69% | \$149,197,512 | 62.38% |
| Aircraft & Parts | \$575,399,983 | \$248,368,375 | \$233,051,102 | -6.17% | \$109,612,346 | 112.61% |
| Prepared Foods (produce) | \$315,707,081 | \$152,935,944 | \$220,818,818 | 44.39% | \$67,359,358 | 227.82% |
| Misc. Food Products | \$343,230,530 | \$172,176,568 | \$193,988,166 | 12.67% | \$95,777,937 | 102.54% |
| Organic Chemicals | \$278,140,383 | \$121,871,592 | \$182,812,427 | 50% | \$44,857,113 | 307.54% |
| Albumin Products | \$257,010,478 | \$123,424,656 | \$178,496,845 | 44.62% | \$50,825,616 | 251.19% |
| Wood Products | \$244,955,875 | \$122,738,280 | \$146,824,884 | 19.62% | \$99,438,189 | 47.65% |
| Printed Media | \$245,663,763 | \$111,304,545 | \$144,482,771 | 29.81% | \$150,140,519 | -3.77% |
| Dairy Products | \$262,972,123 | \$128,825,391 | \$134,643,647 | 4.52% | \$107,547,602 | 25.19% |
| Oils, Perfumes, Cosmetics, Etc. | \$231,831,288 | \$115,942,418 | \$129,824,659 | 11.97% | \$51,483,665 | 152.17% |
| Other Products | \$3,987,322,981 | \$1,870,192,942 | \$2,258,579,477 | 20.77% | \$1,665,509,576 | 35.61% |
| TOTAL | \$20,499,583,161 | \$9,738,143,931 | \$11,531,287,047 | 18.41% | \$9,289,360,474 | 24.13% |



TOP WISCONSIN IMPORT SOURCES sorted by January-June 2021

| Country | Full Year 2020 | Q2 2020 | Q2 2021 | %Δ '20-'21 | Q2 2010 | %Δ '10-'21 |
|-----------------|-------------------------|-------------------------|-------------------------|---------------|------------------------|---------------|
| China | \$5,539,387,537 | \$2,342,341,605 | \$3,388,702,043 | 44.67% | \$1,991,316,596 | 70.17% |
| Canada | \$4,206,156,215 | \$2,063,421,625 | \$2,761,275,417 | 33.82% | \$1,895,907,131 | 45.64% |
| Mexico | \$2,705,336,498 | \$1,263,486,834 | \$1,462,666,466 | 15.76% | \$1,420,178,769 | 2.99% |
| Ireland | \$365,396,130 | \$136,940,951 | \$1,437,982,901 | 950.08% | \$24,360,174 | 5803.01% |
| Germany | \$1,843,107,661 | \$794,040,561 | \$1,232,017,064 | 55.16% | \$420,177,655 | 193.21% |
| Vietnam | \$1,260,906,291 | \$461,438,857 | \$923,591,020 | 100.15% | \$172,999,824 | 433.87% |
| Italy | \$727,517,668 | \$347,834,709 | \$484,000,843 | 39.15% | \$211,707,714 | 128.62% |
| Belgium | \$2,349,763,578 | \$1,088,916,508 | \$478,642,431 | -56.04% | \$42,371,029 | 1029.65% |
| Taiwan | \$778,286,571 | \$399,648,801 | \$469,926,764 | 17.58% | \$194,821,400 | 141.21% |
| India | \$649,377,251 | \$270,471,076 | \$408,267,346 | 50.95% | \$200,661,048 | 103.46% |
| Japan | \$792,865,637 | \$402,978,923 | \$370,566,064 | -8.04% | \$303,863,754 | 21.95% |
| South Korea | \$473,701,540 | \$207,826,639 | \$333,197,242 | 60.32% | \$141,332,547 | 135.75% |
| Malaysia | \$454,468,613 | \$202,048,927 | \$263,492,127 | 30.41% | \$115,741,995 | 127.65% |
| France | \$437,030,436 | \$200,685,817 | \$250,184,674 | 24.66% | \$210,046,864 | 19.11% |
| United Kingdom | \$377,978,164 | \$167,430,242 | \$247,264,768 | 47.68% | \$116,685,438 | 111.91% |
| Spain | \$332,474,449 | \$182,830,634 | \$180,877,705 | -1.07% | \$31,211,306 | 479.53% |
| Turkey | \$184,299,395 | \$64,241,213 | \$140,740,068 | 119.08% | \$22,993,584 | 512.08% |
| Switzerland | \$215,882,327 | \$104,343,623 | \$129,244,240 | 23.86% | \$52,842,779 | 144.58% |
| Other Countries | \$3,082,087,282 | \$1,424,640,383 | \$1,717,735,399 | 20.57% | \$1,590,212,480 | 8.02% |
| TOTAL | \$26,776,023,243 | \$12,125,567,928 | \$16,680,374,582 | 37.56% | \$9,159,432,087 | 82.11% |

TOP WISCONSIN IMPORT PRODUCTS sorted by January-June 2021

| Country | Full Year 2020 | Q2 2020 | Q2 2021 | %Δ '20-'21 | Q2 2010 | %Δ '10-'21 |
|------------------------------------|-------------------------|-------------------------|-------------------------|---------------|------------------------|---------------|
| Industrial Machinery | \$5,361,061,023 | \$2,459,273,838 | \$3,573,108,074 | 45.29% | \$1,502,287,026 | 137.84% |
| Pharmaceuticals | \$3,065,825,595 | \$1,387,810,013 | \$2,241,606,455 | 61.52% | \$232,395,243 | 864.57% |
| Electrical Machinery | \$3,298,865,517 | \$1,532,904,608 | \$2,019,519,722 | 31.74% | \$1,188,796,368 | 69.88% |
| Medical and Scientific Instruments | \$2,067,240,888 | \$948,960,525 | \$1,127,004,733 | 18.76% | \$596,613,845 | 88.90% |
| Plastics | \$1,224,884,714 | \$546,304,215 | \$831,306,696 | 52.17% | \$429,654,311 | 93.48% |
| Vehicles and Parts | \$1,149,049,072 | \$436,633,596 | \$710,677,574 | 62.76% | \$502,823,891 | 41.34% |
| Furniture | \$839,583,747 | \$385,140,665 | \$478,901,136 | 24.34% | \$344,241,100 | 39.12% |
| Apparel (knit) | \$912,242,231 | \$316,223,030 | \$444,085,749 | 40.43% | \$577,751,214 | -23.14% |
| Special Classification | \$755,684,399 | \$367,810,767 | \$426,717,047 | 16.02% | \$225,439,519 | 89.28% |
| Wood Products | \$461,684,258 | \$185,777,457 | \$391,663,669 | 110.82% | \$158,659,952 | 146.86% |
| Articles of Iron/Steel | \$465,227,509 | \$209,192,681 | \$298,228,578 | 42.56% | \$163,911,237 | 81.95% |
| Apparel (not knit) | \$540,311,188 | \$239,791,872 | \$267,344,695 | 11.49% | \$349,485,676 | -23.50% |
| Articles of Paper | \$472,786,450 | \$233,071,373 | \$260,353,620 | 11.71% | \$239,959,314 | 8.50% |
| Tools & Cutlery | \$276,639,321 | \$125,243,288 | \$231,304,150 | 84.68% | \$81,550,860 | 183.63% |
| Mineral Fuel | \$232,265,466 | \$141,202,009 | \$223,479,460 | 58.27% | \$75,219,076 | 197.10% |
| Misc. Articles of Metal | \$334,389,949 | \$153,078,031 | \$206,002,142 | 34.57% | \$106,422,556 | 93.57% |
| Textiles and Art | \$433,647,535 | \$171,151,066 | \$199,434,674 | 16.53% | \$132,738,842 | 50.25% |
| Rubber | \$222,280,150 | \$92,468,064 | \$184,076,266 | 99.07% | \$91,678,087 | 100.79% |
| Other Products | \$4,662,354,231 | \$2,193,530,830 | \$2,565,560,142 | 16.96% | \$2,159,803,970 | 18.79% |
| TOTAL | \$26,776,023,243 | \$12,125,567,928 | \$16,680,374,582 | 37.56% | \$9,159,432,087 | 82.11% |

