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Annual 2022 Data on Minnesota  Manufactured Exports – Published March 2023.
For More Information: Alicia Cordes-Mayo (alicia.cordes-mayo@state.mn.us, 763-406-9965)


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# State Exports Reach Record High: $27 Billion in 2022, Up 16%

* Minnesota exports (including agricultural, mining and manufactured products) were valued at over $27 billion in 2022. The state’s exports continued their growth streak from 2021, jumping 16% in 2022. U.S. exports grew 18% between 2021 and 2022. These growth rates are robust, even with average U.S. inflation of 6.5% in 2022.
* The state ranked 21st highest in export value and 15th highest in export growth rate among states.
* State *manufactured* exports reached $24 billion, up 12% since 2021. Exports of goods supported an estimated 117,900 jobs in Minnesota in 2021.Figure 1. Widespread Strong Growth in 2022

State Pct Change
Minnesota 16%
United States 18%
Alabama 22%
Alaska -7%
Arizona 13%
Arkansas 5%
California 6%
Colorado 13%
Connecticut 5%
Delaware 10%
District of Columbia 1%
Florida 21%
Georgia 11%
Hawaii 107%
Idaho 8%
Illinois 18%
Indiana 10%
Iowa 14%
Kansas 11%
Kentucky 16%
Louisiana 60%
Maine 10%
Maryland 9%
Massachusetts 1%
Michigan 9%
Mississippi 27%
Missouri 4%
Montana -1%
Nebraska 12%
Nevada -4%
New Hampshire 14%
New Jersey -6%
New Mexico -12%
New York 18%
North Carolina 20%
North Dakota 1%
Ohio 11%
Oklahoma 9%
Oregon 13%
Pennsylvania 11%
Rhode Island -2%
South Carolina 6%
South Dakota 27%
Tennessee 10%
Texas 29%
Utah -9%
Vermont -3%
Virginia 25%
Washington 14%
West Virginia 21%
Wisconsin 10%
Wyoming 32%


***MN: +16%***

***U.S.: +18%***

*Decline 0% Growth*

color legend for map (yellow for negative trend/decline, green for positive trend/growth)

* Minnesota conducted $70 billion in *total trade* with 215 countries in 2022. Total trade grew 25% since 2021. With nearly $43 billion in *imports* (up 31%), the state ran a *trade deficit* of about $15 billion in 2022.

## North American Markets Drove Export Growth in 2022

* Minnesota exports to **North America** grew to nearly $11.8 billion and gained $2.7 billion (or up 30%) over 2021. Exports also strongly increased to the **European Union** ($4.8 billion, up 26%); the **Caribbean,** **Central America and South America** ($1.2 billion, up 22%) and the **Middle East** ($447 million, up 30%).
* The state’s exports fell to **Asia** (down 2%), **Africa** (down 7%) and the **Australia-Pacific** region (down 1%).
* Markets contributing the most to growth in 2022 were **Canada** ($9 billion, up $2.3 billion), **Mexico** ($2.8 billion, up $349 million), the **Netherlands** ($777 million, up $239 million), **Korea** ($794 million, up $211 million) and **Spain** ($232 million, up $158 million, 23rd largest).

Figure 2. Exports for Minnesota’s Top 10 Markets in 2022

MN exports to top 10 markets 2022
Country Exports (billions) Percent Change, 2021 to 2022
WORLD  $27.3  16%
Canada (1)   $9.0  36%
Mexico (2)   $2.8  14%
China (3)   $2.7  0%
Japan (4)   $1.1  -15%
Germany (5)   $1.0  18%
Korea (6)   $0.8  36%
Netherlands (7)   $0.8  44%
Belgium (8)   $0.7  16%
Taiwan (9)   $0.6  16%
Ireland (10)   $0.6  8%
Other  $7.3  7%


## Mineral Fuel & Oil, Electrical Equipment and Cereals Lead in Export Gains

* Surging global sales of **mineral fuel, oil** (up $1.8 billion), **electrical equipment** (up $681 million) and **cereals** (up $618 million) contributed the most to Minnesota’s export gains in 2022.
* **Mineral fuel, oil** exportsdoubled to $3.6 billion – propelled by **Canada** and **petroleum products.**
* High-growth markets for **electrical equipment** included **Canada** (up 38%)**, Germany** (up 49%) and **Singapore** (up 50%)**.** Key segments were **integrated circuits** ($1.1 billion, up 13%) and **electric generators** ($312 million, up 109%).

Figure 3. Electrical Equipment Exports

* **Canada** ($774 million, up 197%)was the main market for **cereals**. Emerging markets for **wheat** were **Yemen** ($79 million, up from none) and **Indonesia** ($51 million, up from none).
* After struggling in 2021, exports of **optical, medical goods** recovered (to 2020 levels) and grew 6%. Swelling demand for **orthopedic/artificial body parts** ($809 million, up 52%) and stronger markets – including **Netherlands** (up 44%), **Costa Rica** (up 33%) and **Germany** (up 25%) – helped to fuel growth.
* **China** ($219 million, up 494%) spurred export growth in **misc. chemicals** ($460 million, up 147%)**,** driven by a spike in demand for **composite diagnostic or laboratory reagents** ($202 million, up 977%).
* Other products that gained over $50 million in exports in 2022 included **vehicles** ($1.4 billion, up 18% - bolstered by **vehicle parts** and **passenger vehicles**), **iron and steel products** ($438 million, up 33% - boosted by demand in **North America**) and **food by-products** ($748 million, up 8%). As the primary market, **Canada** uplifted **beverages, spirits** ($208 million, up 37%) and **fertilizers** ($350 million, up 105%).
* Exports of **machinery** dropped 8%. While sales grew strongly to markets including **Mexico, China** and **Canada**, they plunged 91% to the **Philippines** – largely due to **machines for making semiconductors.**

#### Figure 4. Exports for Minnesota’s Top 10 Products in 2022

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| Minnesota Export Statistics tracks the state’s trends in exports of goods and is prepared for the Minnesota Trade Office by DEED’s Economic Analysis Unit (by Thu-Mai Ho-Kim). The quarterly and annual reports primarily cover export data based on the Harmonized Tariff System (Schedule B), collected by the Foreign Trade Division, Census Bureau, U.S. Dept of Commerce and accessed through USA Trade Online (Census Bureau) and Trade Data Monitor (TDM). Historical reports are available on DEED’s website at “Export and Trade Statistics” (<http://mn.gov/deed/data/export-stats/>). The U.S. Department of Agriculture (USDA) publishes alternate agricultural export data based on different methodology. USDA estimated that Minnesota exported $9.4 billion in ag and food products in 2021 and ranked fourth highest among states. Data on services exports are limited; Minnesota exported an estimated $12 billion in services in 2019, according to the Coalition of Services Industries. Jobs supported by exports are estimated by the International Trade Administration, U.S. Dept of Commerce. |

MN Exports top 10 products 2022
PRODUCT Exports (billions) Percent Change, 2021 to 2022
TOTAL  $27.3  16%
Optic, Medical  $3.9  6%
Machinery  $3.8  -8%
Electrical Equipment  $3.8  22%
Mineral Fuel, Oil  $3.6  99%
Vehicles  $1.4  18%
Plastics  $1.2  -2%
Cereals  $1.1  138%
Food By-Products  $0.7  8%
Meat  $0.5  0%
Ores, Slag, Ash  $0.5  4%
Other  $6.7  8%
