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Annual 2021 Data on Minnesota Exports – Published March 2022
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# State Exports Rebound to $24 Billion in 2021, Up 17% Since 2020

* Minnesota exports (including agricultural, mining and manufactured products) were valued at about $24 billion in 2021. The state’s exports rebounded from the weak pandemic-related global economic conditions of 2020, jumping 17% in 2021 (and 6% above 2019). U.S. exports jumped 23% since 2020 (up 7% over 2019).
* The state ranked 22nd in exports among all states.
* State *manufactured* exports were about $22 billion in 2021, up 15% since 2020 (and 4% over 2019). Exports of goods supported more than 112,000 jobs in Minnesota in 2020.Figure 1. Widespread Export Gains in 2021

US Map % Change 2020-2021 
State Percent Change 2020-2021
Minnesota 17%
United States 23%
Alabama 22%
Alaska 30%
Arizona 22%
Arkansas 8%
California 12%
Colorado 12%
Connecticut 5%
Delaware 21%
District Of Columbia -46%
Florida 21%
Georgia 9%
Hawaii 6%
Idaho 11%
Illinois 24%
Indiana 16%
Iowa 25%
Kansas 21%
Kentucky 20%
Louisiana 32%
Maine 32%
Maryland 29%
Massachusetts 30%
Michigan 25%
Mississippi 26%
Missouri 21%
Montana 37%
Nebraska 15%
Nevada 2%
New Hampshire 17%
New Jersey 30%
New Mexico 46%
New York 29%
North Carolina 18%
North Dakota 1%
Ohio 12%
Oklahoma 15%
Oregon 19%
Pennsylvania 20%
Rhode Island 26%
South Carolina -2%
South Dakota 35%
Tennessee 23%
Texas 36%
Utah 2%
Vermont 10%
Virginia 23%
Washington 30%
West Virginia 38%
Wisconsin 21%
Wyoming 22%


***MN: +17%***

***U.S.: +23%***

*Decline 0% Growth*

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

* Minnesota conducted $56 billion in *total trade* with 212 countries in 2021. Total trade grew 16% since 2020 (up 8% since 2019). With $32 billion in *imports*, the state ran a *trade deficit* of $9 billion in 2021.

## *North American Markets Drove Export Growth in 2021*

* Minnesota exports strongly rebounded to **North America** ($9 billion), gaining 33% since 2020 (and 26% over 2019). Export growth was more moderate in **Asia** ($7.7 billion, up 8%) and in **Europe** ($4.8 billion, 11%); exports recovered to 2019 levels in **Asia** but fell short in **Europe** (down 7%).
* Many markets rallied to overcome the challenges of 2020. Demand significantly strengthened in **Canada** (up $1.7 billion), **Mexico** (up $522 million), the **Philippines** (up $451 million; up from 15th largest in 2020), **China** (up $235 million), **India** (up $105 million, 17th; due **to railway equipment**), **Ireland** (up $102 million; due to **medical products**) and **Taiwan** ($98 million, 12th). Sales to these markets surpassed 2019 levels.

Figure 2. Exports for Minnesota’s Top 10 Markets in 2021, with Trends Since 2020 and 2019

![Product Exports (billions) Percent Change 2020-2021 Percent Change 2019-2021
WORLD  $23,538  17% 6%
Canada (1)   $6,587  36% 39%
Mexico (2)   $2,676  10% 5%
China (3)   $2,457  27% 1%
Japan (4)   $1,374  1% -10%
Germany (5)   $820  -3% -27%
Korea (6)   $786  135% 75%
Singapore (7)   $622  17% 2%
Belgium (8)   $584  -38% -42%
U.K. (9)   $549  10% -1%
Ireland (10)   $547  23% 14%
Other  $6,535  11% -3%
]()

## *Machinery, Electrical Equipment and Mineral Fuel & Oil Had Largest Export Gains*

* Surging global sales of **machinery** (up $1 billion), **mineral fuel, oil** (up $751 million) and **electrical equipment** (up $747 million) fueled Minnesota’s overall recovery in exports in 2021 and pushed these exports over their 2019 levels.
* Growth in **machinery** was led by **machines for making semiconductors** (up 369%; fueled by an increase of $592 million to the **Philippines**), **centrifuges, filters** (up 23**%**), **construction equipment** (up 42%), **spraying machines** (up 17%) and **liquid pumps** (up 18%). **Canada** and **China** were high-growth markets.Figure 3. Top Exported Machinery Products
* **Electronic integrated circuits** (up 67%; driven by **China**) and **semiconductors** (up 69%; boosted by **Japan, China** and **Canada**)generated significant export growth in **electrical equipment.**
* **Mineral fuel, oil** exportsleaped 70% to $1.8 billion – propelled by **Canada** and **petroleum-based light oils**.
* **Optical, medical goods** struggled in 2021. Demand was robust for **optical inspection instruments** and **medical, surgical instruments**, but tumbled for **unmounted optical elements**,mainly to **Korea** and **China**.
* Exports of **plastics** (down 10%)slumpeddue to a prolonged decline in sales of **self-adhesive plastic plates, sheets** (down 62%), despite strong growth in **polyethers, polyesters** (up 21%) and **tubes, pipes** (up 67%).
* Exports of **cereals** (mainly **corn** – up 297%, driven by **Canada**); **oil seeds, misc. grain** (primarily **soybeans** – up 109%, driven by **Mexico**); and **food by-products** grew vigorously to **North American** markets.
* Solid growth in **meat** (primarily **pork**) occurred in **Japan** (up 62%) and **Mexico** (up 55%). **Dairy, eggs** ($192 million, up 24%; largely **whey** and **milk, cream**) made inroads in **China** (up 35%) and **Mexico** (up 38%).
* **Vehicles** gained traction from **specialty vehicles** ($164 million, up 48%; driven by **Canada, Belgium**) and **passenger vehicles (including ATVs, snowmobiles)** ($332 million, up 12%; largely destined for **Canada**).

#### Figure 4. Exports for Minnesota’s Top 10 Products in 2021, With Trends Since 2020 and 2019

Product Exports (billions) Percent Change 2020-2021 Percent Change 2019-2021
Total  $23.5  17% 6%
Machinery  $4.2  35% 21%
Optic, Medical  $3.7  -5% -19%
Electrical Equipment  $3.1  32% 8%
Mineral Fuels, Oils  $1.8  70% 468%
Plastics  $1.2  -10% -16%
Vehicles  $1.2  6% -11%
Food By-Products  $0.7  29% 10%
Meat  $0.5  13% 50%
Ores, Slag, Ash  $0.5  2% -15%
Aircraft, Spacecraft  $0.5  27% -3%
Other  $6.1  16% 0%


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| Minnesota Export Statistics is the most current resource available for tracking the state’s trends of exports of goods and is prepared for the Minnesota Trade Office (MTO) by the Department of Employment and Economic Development’s (DEED) Economic Analysis Unit (by Thu-Mai Ho-Kim). The quarterly and annual statistics reports primarily cover export data based on the Harmonized Tariff System (Schedule B), accessed from WISERTrade: State HS Database, where data are from the U.S. Census Bureau, Foreign Trade Division. Reports are available on DEED’s website at “Export and Trade Statistics” (<http://mn.gov/deed/data/export-stats/>). Additional Notes: The U.S. Department of Agriculture (USDA) publishes alternate annual agricultural export estimates based on different methodology. USDA estimated that Minnesota exported $7.2 billion in agricultural and related food products in 2020, ranking fourth highest among states. Data on services exports are limited. DEED estimated Minnesota’s services exports at $12 billion for 2020, based on pro-rating U.S. services exports data, using the state’s GDP industry shares. |

*Note: Positive change rate of 468% for Mineral Fuel, Oil between 2019 and 2021 was omitted to minimize chart distortion.*