

An illustration of a port area. At the top, a yellow train is on a track. Below it, a pink truck is on a road. In the middle, a large grey and orange cargo ship is in a blue body of water. At the bottom, a white truck is on a road. A circular logo with a white 'q' and a red dot is overlaid on the bottom left of the illustration.

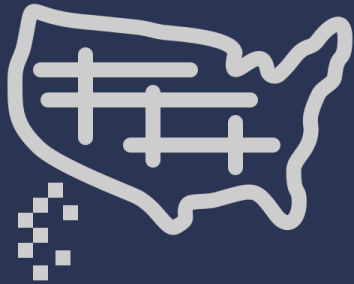
INTERNATIONAL COMMERCE & MOBILITY FORUM #6

Data and Technology Integration: Leveraging Enhanced Commodity Flow Data

Richard Langer, Quetica, LLC
June 6, 2024

LEVERAGING ENHANCED COMMODITY FLOW DATA

- Quetica's Freight Intelligence Tracker (QFIT) was launched in 2020 to offer affordable solution for understanding commodity flows & foreign trade
- Designed to overcome common freight data challenges encountered in state & local freight planning



Disaggregated
Freight Analysis
Framework Data



Enhanced with Private
Sector Billing of Lading
& Mode-Specific Data



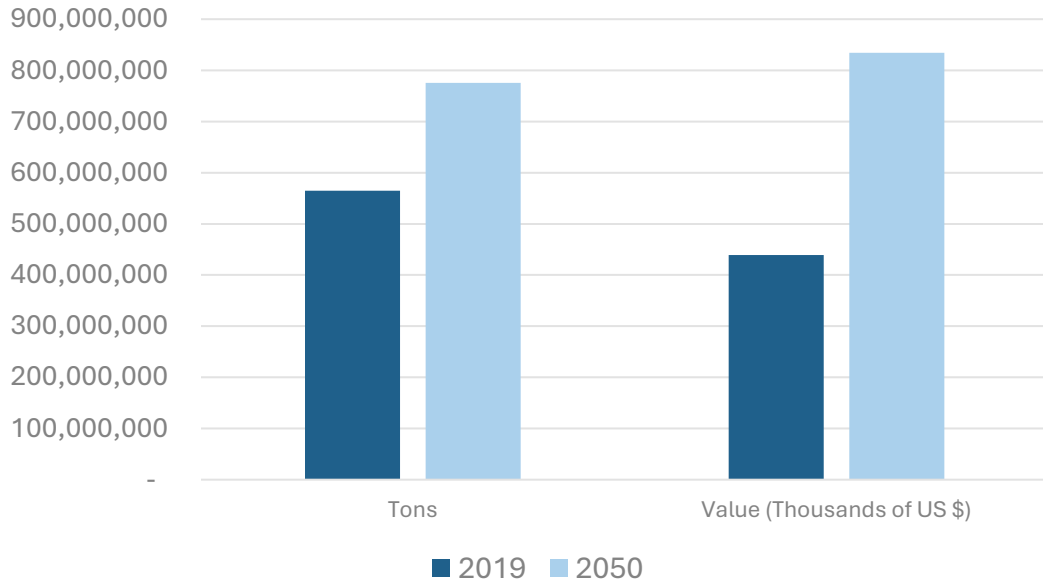
Import/Export Enhancement
for Agriculture & Other
Commodities



Online Data
Visualization and
Analytics Tool

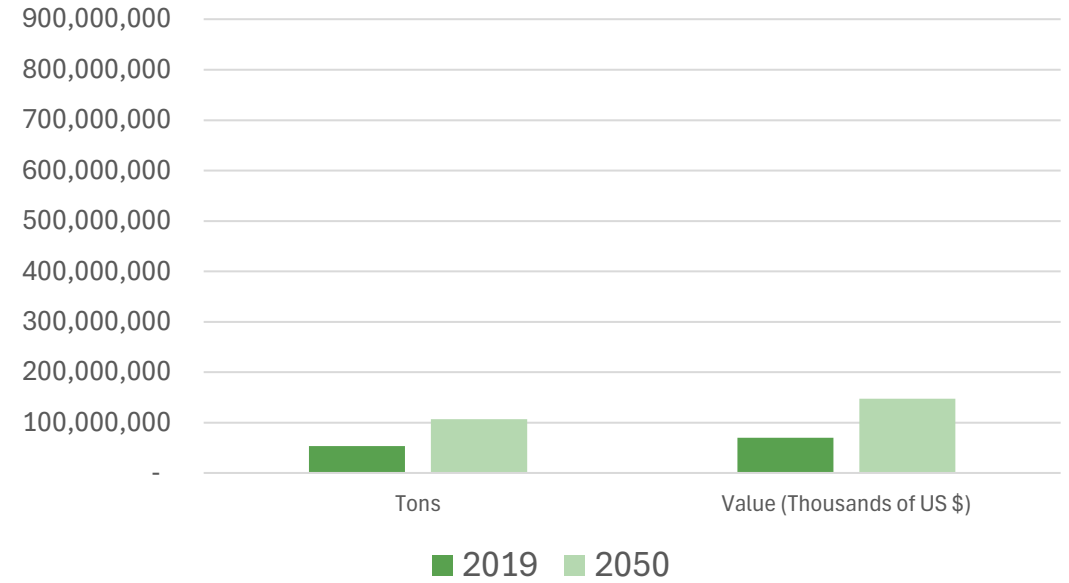
COMPARISON OF VOLUME AND VALUE OF MINNESOTA TRADE FLOWS

Minnesota's Domestic Trade



Domestic flows projected to grow 37% by volume, and 90% by value

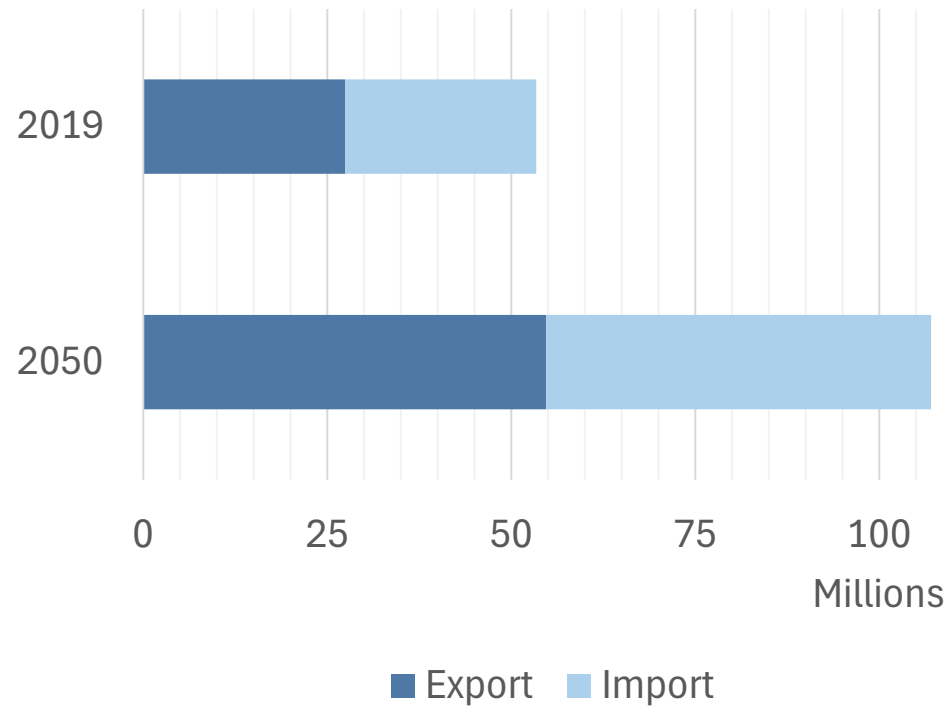
Minnesota's International Trade



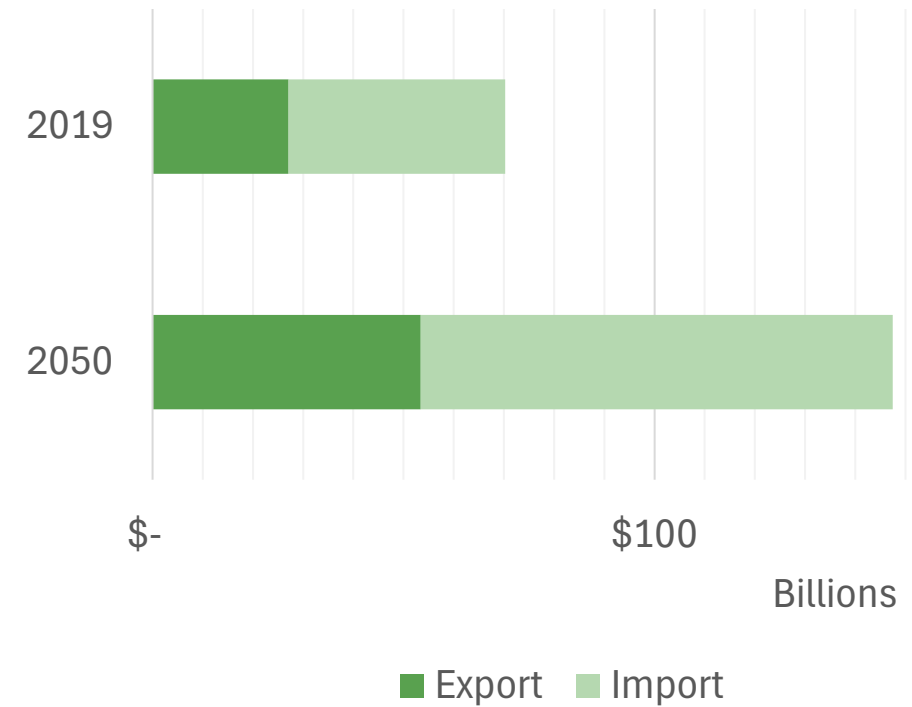
International flows projected to grow 101% by volume, and 110% by value

MN QFIT: MN TOTAL FOREIGN TRADE BY VOLUME AND VALUE

Tons

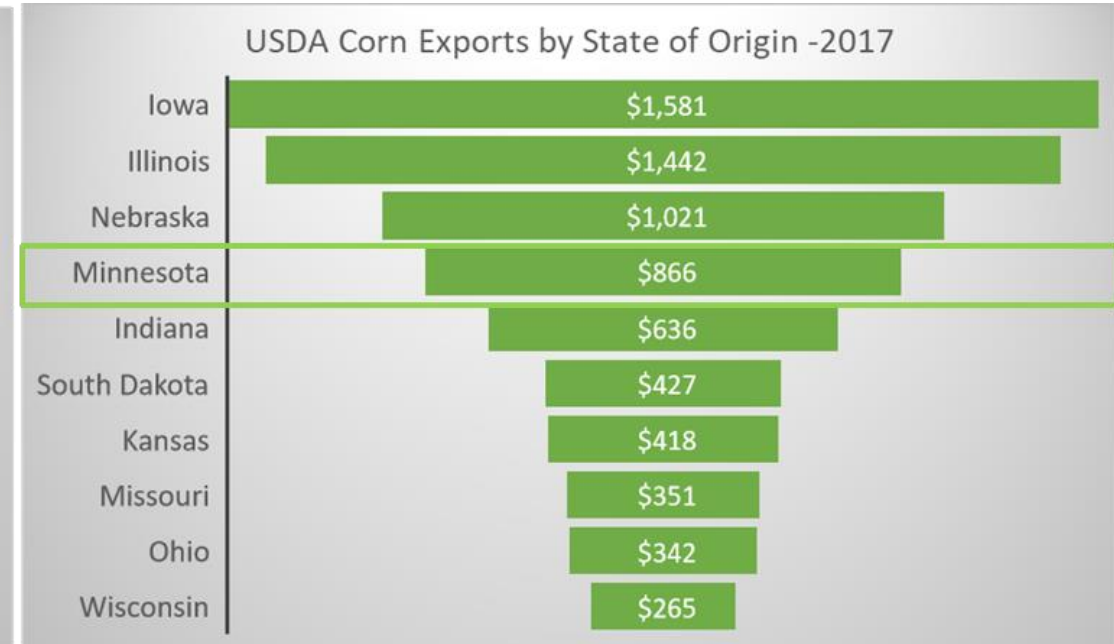
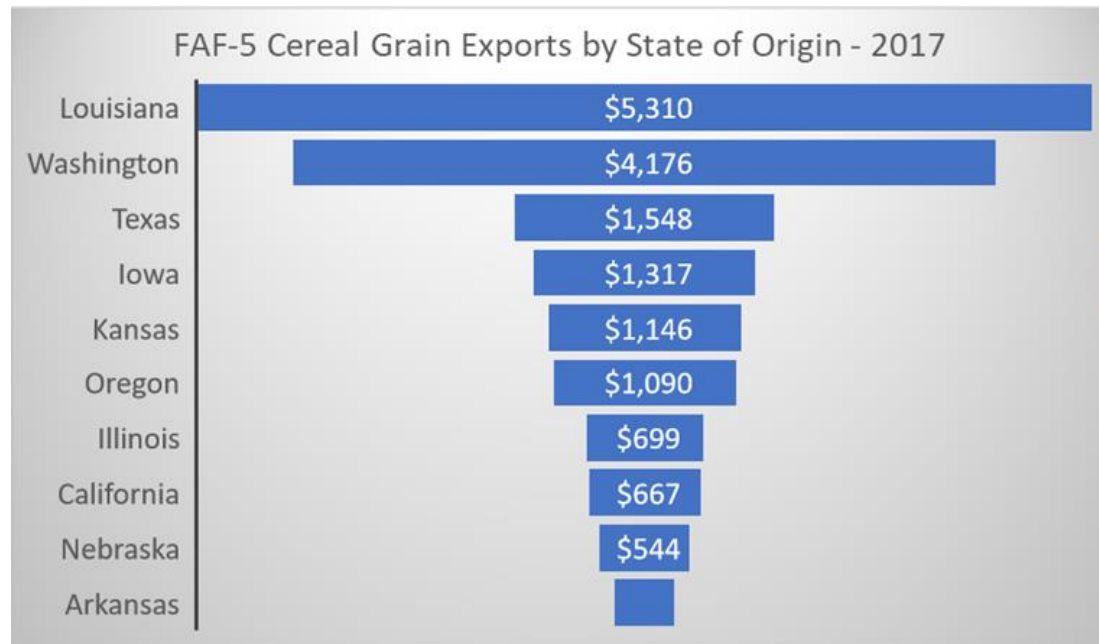


Dollars

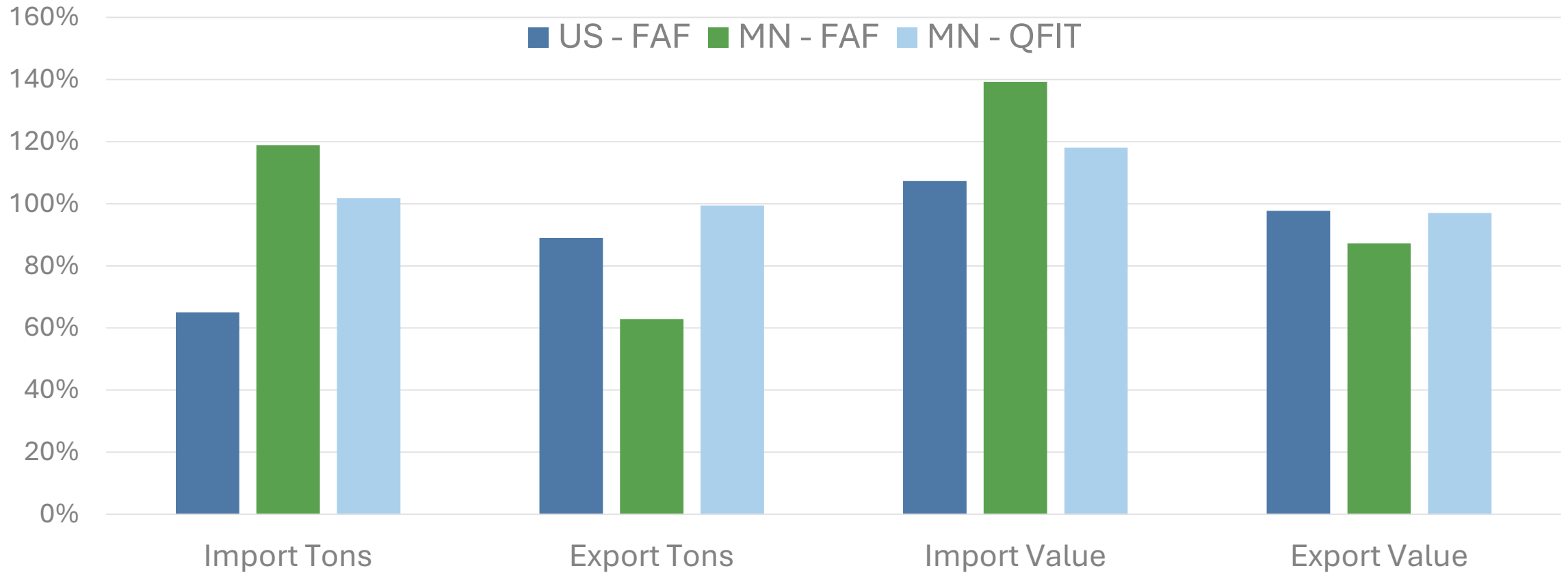


QFIT INTERNATIONAL: ENHANCED TRADE DATA

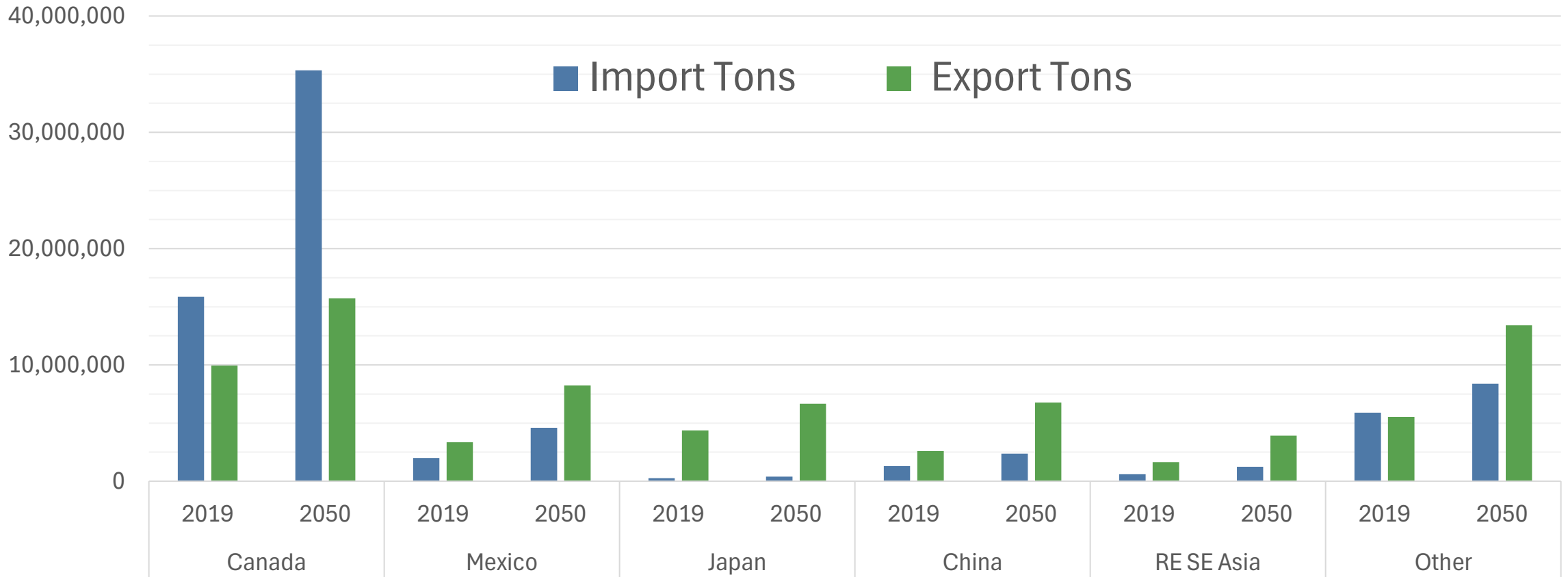
- Because exporters are allowed to complete documentation at a point of consolidation or processing, gateway port states receive credit for exports originating in the Midwest.
- The same anomaly occurs for air cargo shipments consolidated at the largest international air hubs



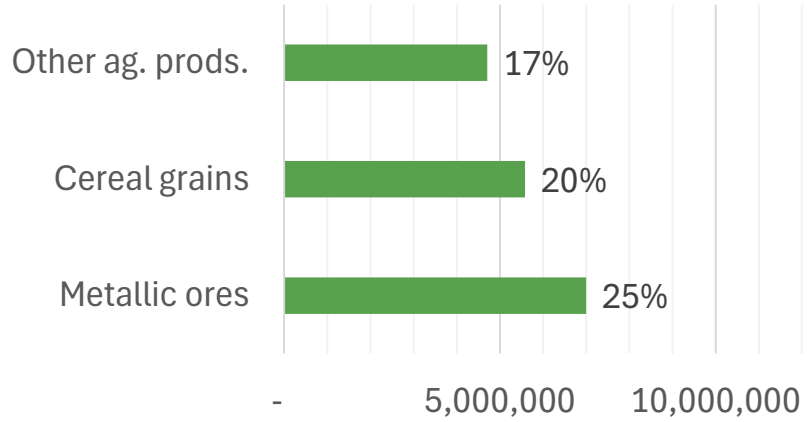
US / MINNESOTA FOREIGN TRADE GROWTH BY DATA SOURCE



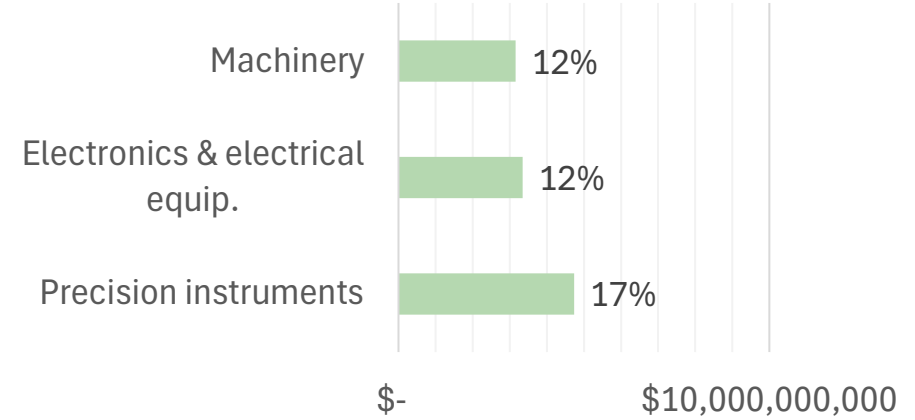
TOP TRADING PARTNERS BY VOLUME



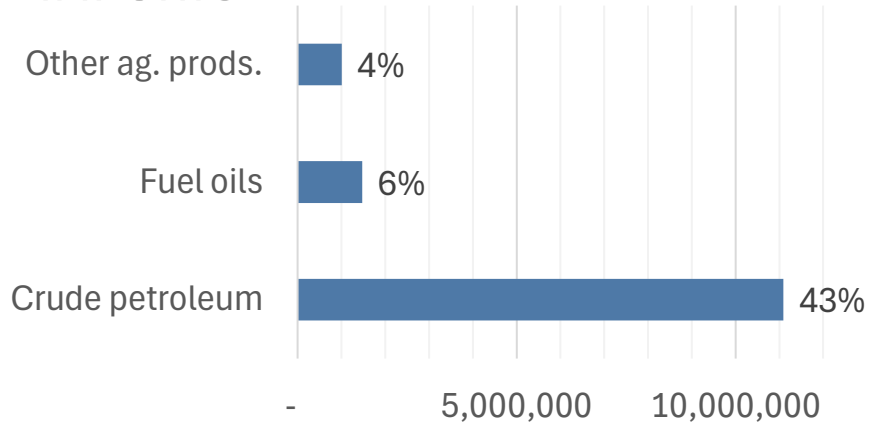
TOP EXPORTS BY TONS & SHARE OF EXPORTS



TOP EXPORTS BY DOLLARS & SHARE OF EXPORTS



TOP IMPORTS BY TONS & SHARE OF IMPORTS



TOP IMPORTS BY DOLLARS & SHARE OF IMPORTS

