

Barges, Trains and Trucks

Understanding Grain Movements to Domestic and Export Markets

Use the report (pages 3--6) listed below to answer the questions about the modal shares of grain movement both domestically and internationally. The values that are used for this analysis span the years of 1978--2019.

Chang, Kuo-Liang, Caffarelli, Peter, Gastelle, Jesse. Transportation of U.S. Grains: A Modal Share Analysis, 1978-2019 Update. U.S. Dept. of Agriculture, Agricultural Marketing Service. Web.
<https://www.ams.usda.gov/sites/default/files/media/TransportationofUSGrainsModalShare1978_2019.pdf>

1. Using Figure 2, What is the overall trend of grain movements for the years 1978 – 2019?
2. What does this trend indicate?
3. Using Figure 3, which commodity appears to be having the most steady increase in shipping?

The percentage change is calculated using the following equation:

$$\frac{\text{final value} - \text{initial value}}{\text{initial value}} * 100 = \% \text{ change}$$

4. What is the percentage change of the total of all grains in Table 1 between the years 2003 and 2019?
5. List the commodities in order of which exported the most to the least.
6. Which Commodity saw the largest percent change from the year 2003 – 2019 in total tonnages transported?

Corn	Wheat	Soybeans	Sorghum	Barley

7. Which commodity showed the biggest growth both domestically and internationally?

	Corn	Wheat	Soybeans	Sorghum	Barley
Export					
Domestic					

8. Using Figure 5, what mode of transportation is seeing the increase in use to transport grains? What do you think could be the reason for this change? (Use Figure 5, Table 2 and prior knowledge)

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