Economic Impact of Minnesota’s Agriculture

Impact Summary
(Based on 2008 agricultural marketing of $15.8 billion):

Total Output Impact: $23.3 billion
Total Employment Impact: 149,384 jobs

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Economic Impact of Minnesota’s Agriculture

Output Impact

- Direct: $15.8
- Indirect: $5.1
- Induced: $2.4
- Total: $23.3

(Billion $)
Economic Impact of Minnesota’s Agriculture

Employment Impact

- Direct: 98,006
- Indirect: 31,856
- Induced: 19,522
- Total: 149,384

# of Jobs
Figure 1: Revenue per Ton-Mile in Cents

<table>
<thead>
<tr>
<th></th>
<th>Corn</th>
<th>Wheat</th>
<th>Soybean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue per Ton-Mile</td>
<td>3.67</td>
<td>3.93</td>
<td>2.98</td>
</tr>
</tbody>
</table>

US Cents

Figure 2: Index of Inter-Rail Competition

<table>
<thead>
<tr>
<th></th>
<th>Corn</th>
<th>Wheat</th>
<th>Soybean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inter-Rail Competition</td>
<td>1.352</td>
<td>1.531</td>
<td>1.646</td>
</tr>
</tbody>
</table>

Competition Index
Figure 4: Corn Rate Change When Move from 1 to 2 Rail Competitors at 25 Miles and 75 Miles from Water Transportation

Corn % Rate Change

- 25 Miles
- 75 Miles

3.80%
3.40%

Figure 5: Wheat Rate Change When Move from 1 to 2 Rail Competitors at 300 Miles and 400 Miles from Water Transportation

Wheat % Rate Change

- 300 Miles
- 400 Miles

-1.10%
-5.50%