

# Minnesota Biodiesel Industry Economic Impact

## Minnesota Biodiesel Industry Highlights:

- Minnesota was the first state in the U.S. to mandate the use of biodiesel.
- Minnesota’s annual biodiesel production reached 74 million gallons in 2016.
- Minnesota ranks No. 10 among all U.S. states in biodiesel production capacity, and accounts for 5% of the U.S. total biodiesel production.

## Total Economic Impact of Biodiesel in Minnesota

**74**

**Million Gallons  
Biodiesel Production**

**\$1.7**

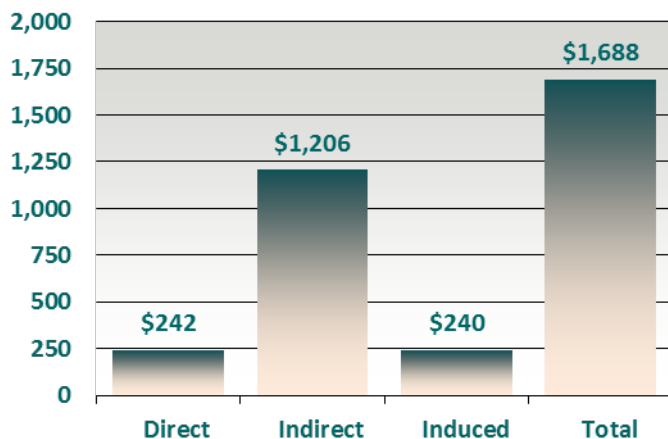
**Billion  
Total Output Impact**

**5,397**

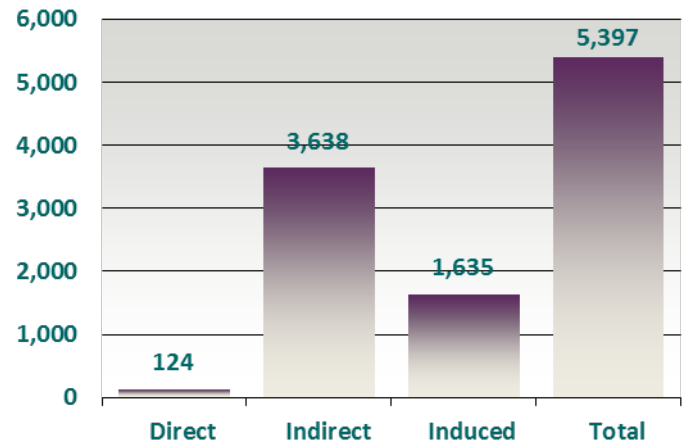
**Jobs  
Total Employment Impact**

*(Based on 2016 data.)*

**Output Impact**  
*(\$ Million)*



**Employment Impact**  
*(Number of Jobs)*

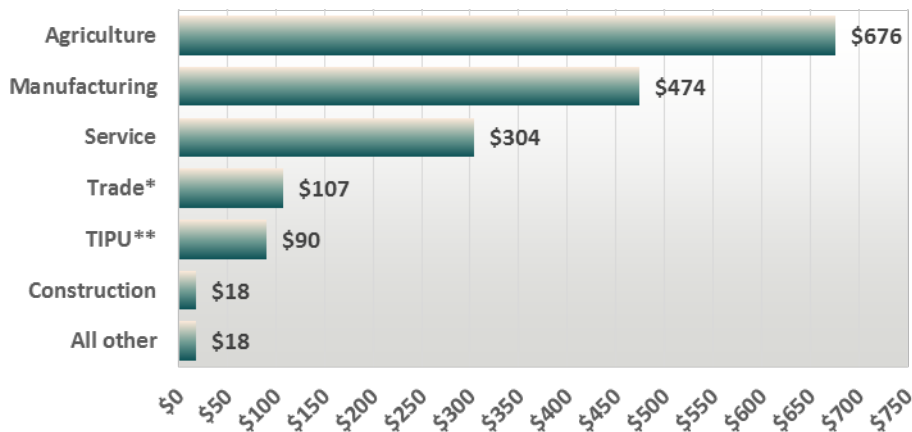


## The economic impacts, or “multiplier effects”, include direct, indirect, and induced impacts:

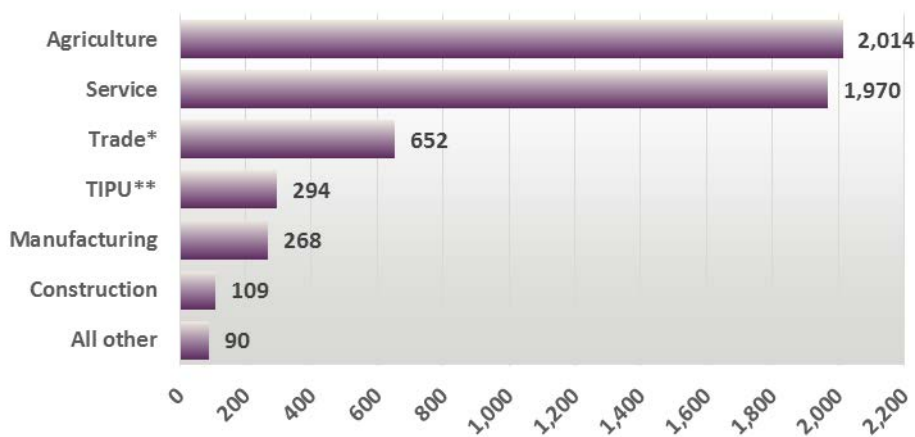
- **Direct impact** represents the effect of biodiesel output.
- **Indirect Impact** represents the effect on all other economic sectors supporting the biodiesel industry.
- **Induced impact** represents the effect on all economic sectors due to the expenditures of new income generated by the direct and indirect impacts.
- **Total impact** is the sum of direct, indirect and induced impacts.

*(The IMPLAN economic input-output model is used in this impact analysis, [www.implan.com](http://www.implan.com).)*

## Output Impact by Sector (Million \$)



## Employment Impact by Sector (# of Jobs)

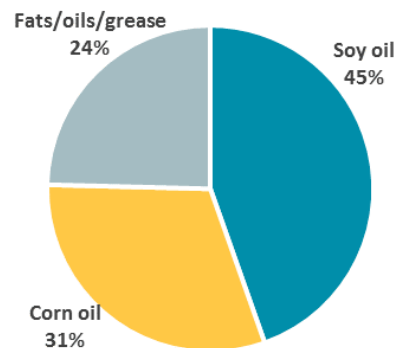


\*Trade: Wholesale/retail trade \*\*TIPU: Transportation, Information, Power and Utilities

## Industry Sectors Analyzed in Economic Impact Study

- Soybean farming and processing (to produce soybean oil for biodiesel).
- Corn farming and processing (to produce corn oil for biodiesel).
- Fats/oils/grease rendering (to provide feedstock for biodiesel).
- Biodiesel transesterification/processing.

## MN Biodiesel Feedstock Sources



⇒ Visit [Minnesota Biodiesel \(www.mda.state.mn.us/renewable/biodiesel.aspx\)](http://www.mda.state.mn.us/renewable/biodiesel.aspx) for the full report

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