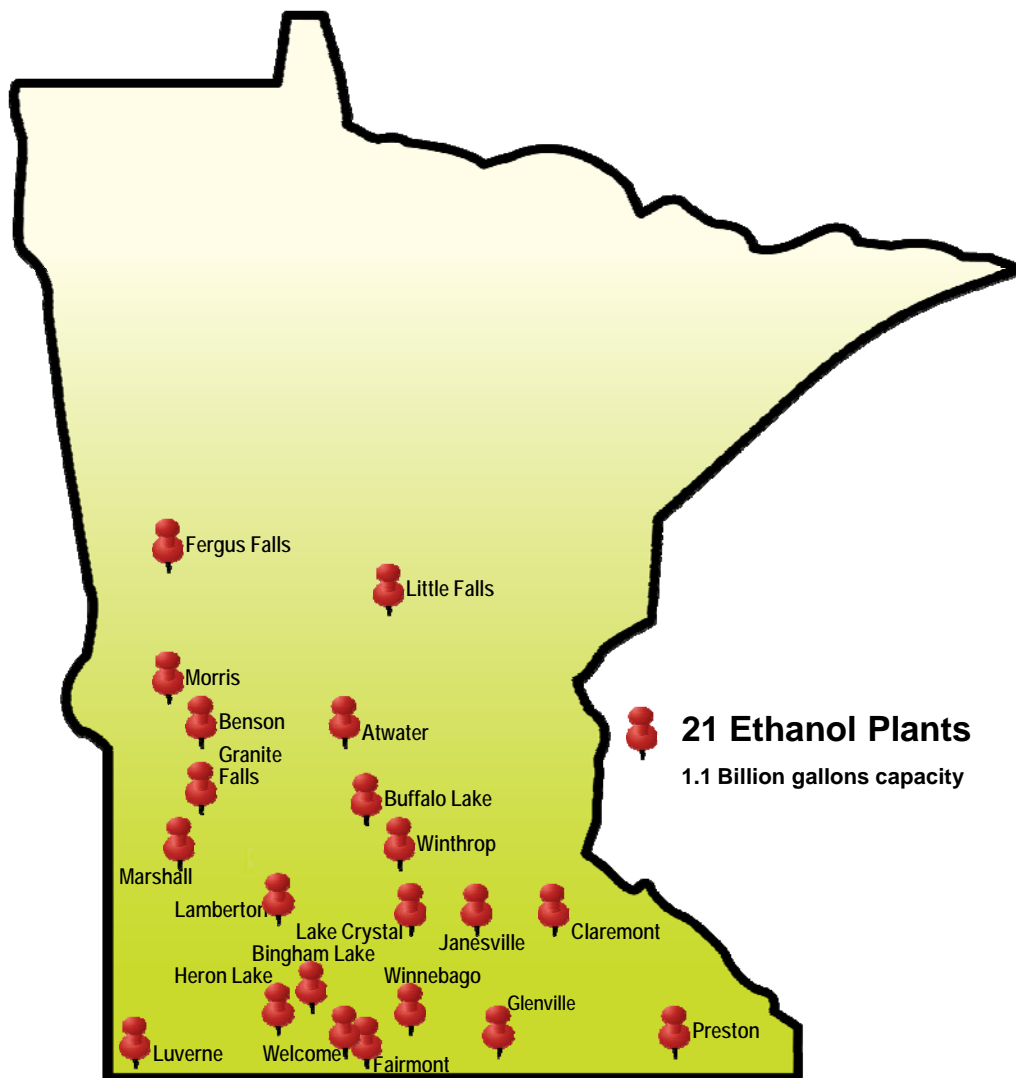


Minnesota Ethanol Industry

Ethanol Plants in Minnesota

2010



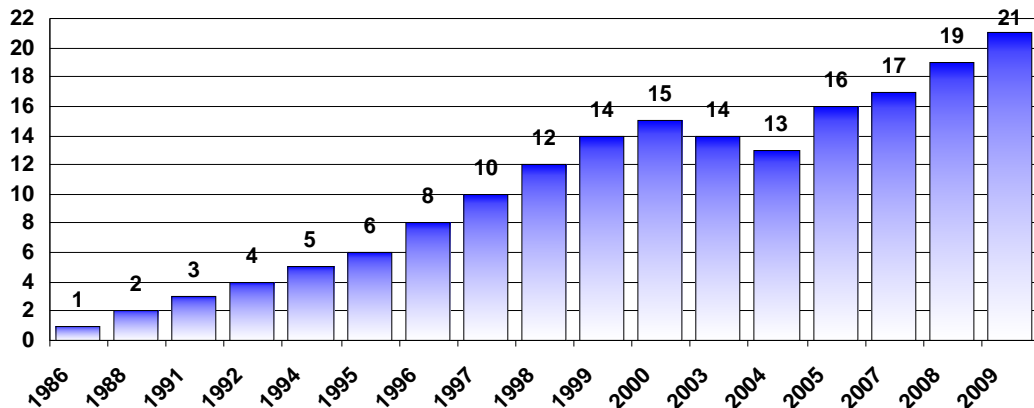
www.mda.state.mn.us/renewable

Minnesota Ethanol Industry

Minnesota Ethanol Plants

- Minnesota has 21 ethanol plants with a total annual production capacity of 1.1 billion gallons or 3.3 million metric tons (2010).
- Ten of the 21 ethanol plants are farmer-owned co-operatives, bringing direct economic returns to farmers and rural communities.
- Among the ethanol plants, the annual production capacity ranges from 22 to 110 million gallons per plant, or 8 to 40 million bushels of corn processed.

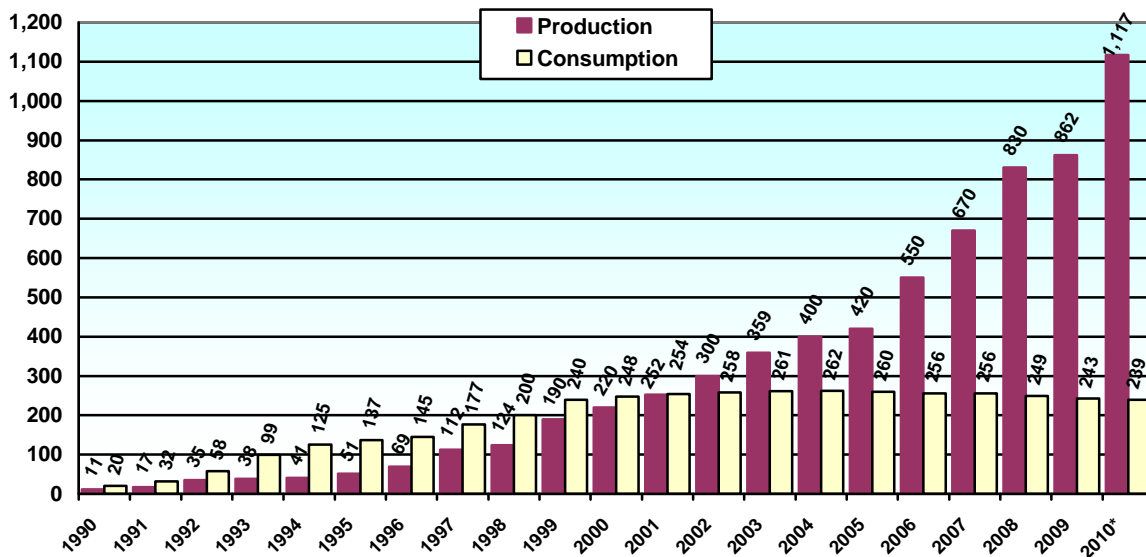
Minnesota Ethanol Plants (Number of Plants)



Minnesota Ethanol Production and Consumption

- Minnesota produced 862 million gallons of ethanol in 2009.
- Ethanol consumption in Minnesota was estimated at 243 million gallons in 2009, about 28% of the total ethanol production.
- The state's net ethanol export was 619 million gallons – or 72% of the production.
- The 2010 Minnesota ethanol production capacity is 1,117 million gallons, while the projected ethanol consumption is 239 million gallons.

Minnesota Ethanol Production and Consumption (Million Gallons)



*Projected. Source: MDA, AMS

Minnesota Ethanol Industry

Economic Impact

- Minnesota's ethanol industry has a "multiplier effect" that benefits many economic sectors across the state, including agriculture, manufacturing, transportation, services, construction, and trade.
- At the 862 million-gallon production level in 2009, Minnesota's ethanol industry generated an estimated \$2.5 billion in total economic output and 6,854 jobs.
- The 1.1 billion gallon production by 2010 is projected to generate a total of \$3.1 billion in economic output and 8,395 jobs.

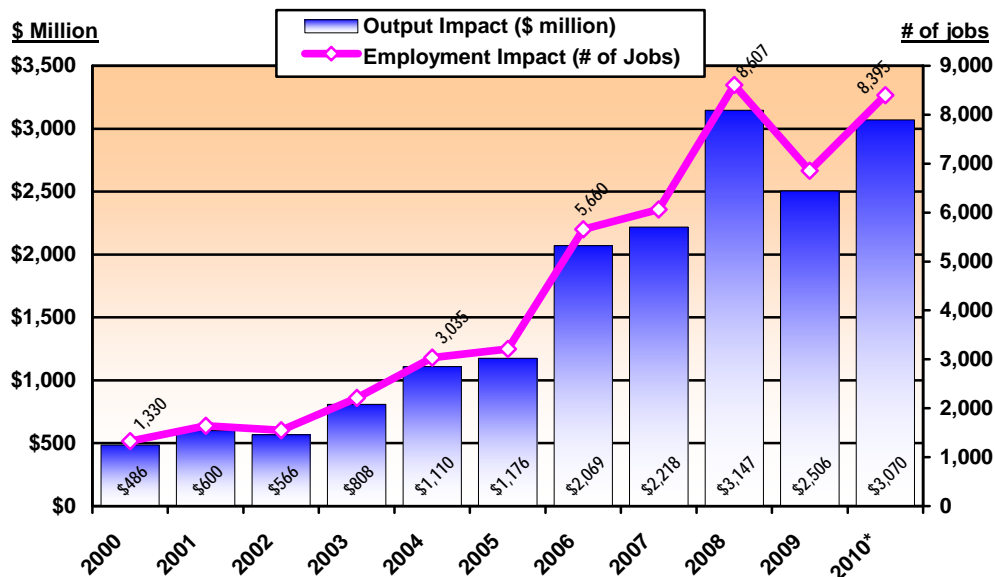
Minnesota Ethanol Production and Economic Impact

Year	Production (Million Gallons)	Output Impact (\$ million)	Employment Impact (# of Jobs)
2000	220	\$486.12	1,330
2001	252	\$600.32	1,642
2002	300	\$566.17	1,549
2003	359	\$807.73	2,209
2004	400	\$1,109.76	3,035
2005	420	\$1,175.73	3,214
2006	550	\$2,069.29	5,660
2007	670	\$2,217.84	6,066
2008	830	\$3,146.78	8,607
2009	862	\$2,506.11	6,854
2010*	1,117	\$3,069.53	8,395

*Projected

Source: MDA, AMS

Minnesota Ethanol: Output Impact & Employment Impact



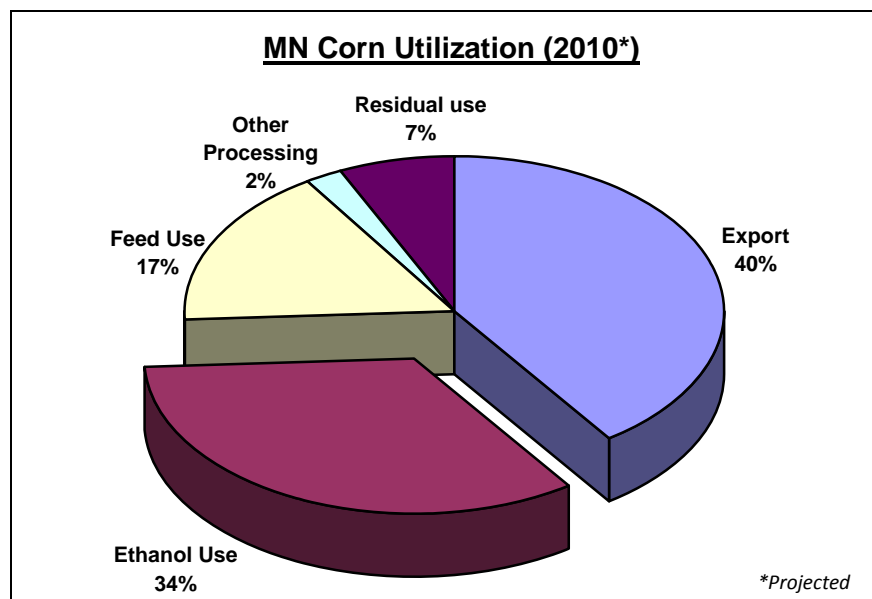
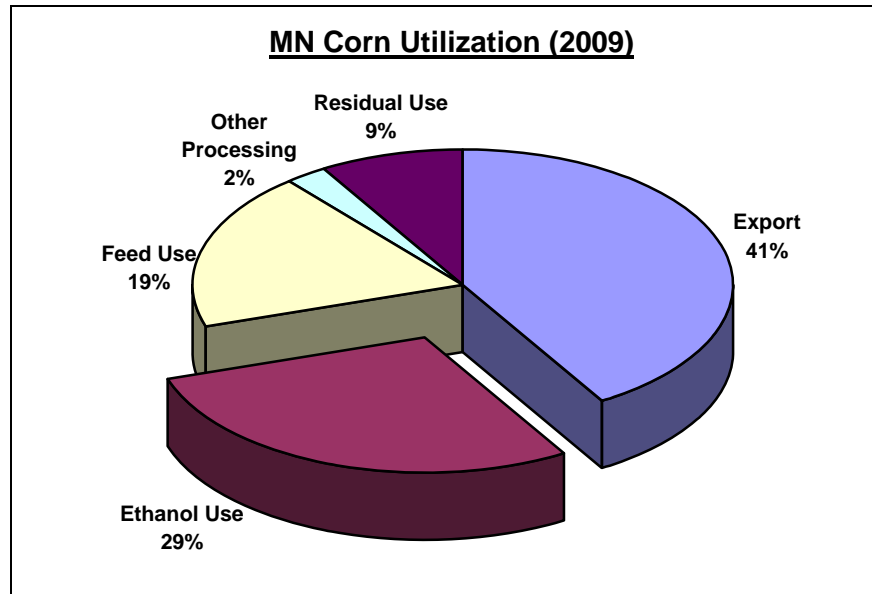
*Projected

Source: MDA, AMS

Minnesota Ethanol Industry

Corn Utilization

- In 2009, Minnesota processed 308 million bushels of corn into ethanol, or 29% of Minnesota's total corn crop.
- By 2010, Minnesota's ethanol production is projected to reach 1.1 billion gallons, consuming 400 million bushels of corn or one-third of the state's annual corn crop.



Source: PRX and MDA



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