

**Iowa Renewable
Fuels Association**

2017 Iowa Renewable Fuels Summit

January 31, 2017

Iowa's Ethanol Industry

- 43 operating ethanol plants with a capacity of over 4 billion gallons
 - 3 cellulosic producers with 55 million gallons of capacity
- 1.45 billion bushels of Iowa corn (54%)
 - Converted to ethanol and high-protein animal feed
- ~27% of U.S. ethanol production



Iowa's Biodiesel Industry

- 12 biodiesel plants with capacity of over 350 million gallons
 - Two expansions will add 48 million gallons of capacity
- 9 operated in 2016, producing a record 297 million gallons
 - ~16% of U.S. biodiesel production
- Diverse feedstocks



Iowa's Biodiesel Feedstocks

- Soybean Oil = 66%
- Animal fats = 14%
- Distillers Corn Oil = 10%
- Canola Oil and Used cooking oil = 10%



Impact of Renewable Fuels in Iowa

2016	Purchases (in millions)	GDP (in millions)	Household Earnings (in millions)	Employment (Jobs)
Ethanol	\$6,487.5	\$4,249.4	\$2,000.4	38,563
Biodiesel	\$864.5	\$447.0	\$303.0	3,856
Total	\$7,352.0	\$4,726.3	\$2,303.4	42,419



State of Iowa's Renewable Fuels Industry



Unrelenting: Renewable Fuels Never Give up

- Cheap Oil
- California and New York markets
- E15 hurdles
- Reduced RVOs
- Exports

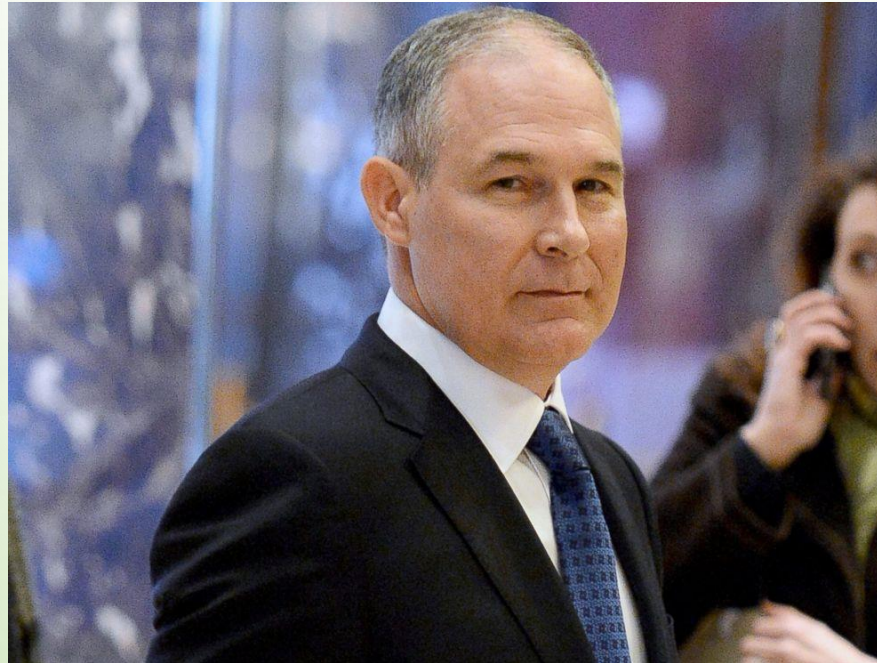




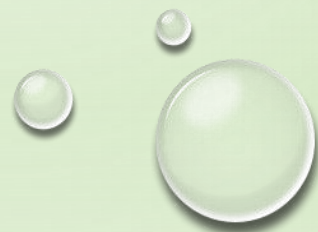
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ATTENTION

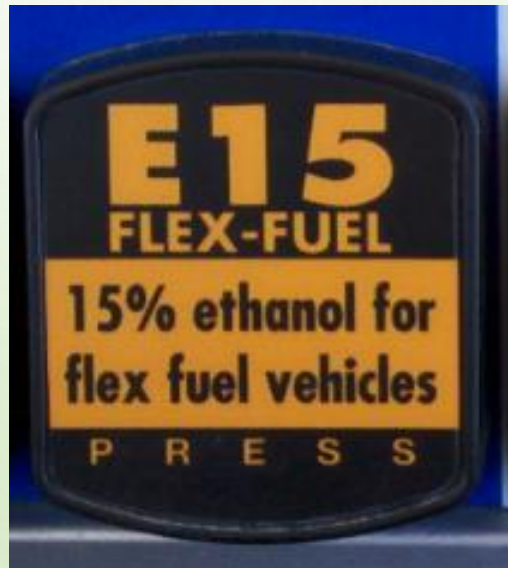
E15

Up to 15% ethanol

Use only in

- 2001 and newer passenger vehicles
- Flex-fuel vehicles

Don't use in other vehicles, boats or gasoline-powered equipment. It may cause damage and is **prohibited** by Federal law.





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- Biodiesel and Cellulosic Tax Credits have expired -- Again





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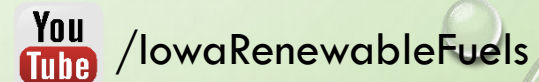
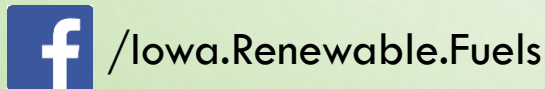
WHAT WILL SUCK UP THE CORN SURPLUS?



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