Benefits of E85

Using E85 reduces harmful emissions making the air we breathe cleaner.

Ethanol is a renewable resource that is made from local corn at a plant right here in Iowa.

Using E85 makes us less dependent on foreign oil because ethanol is made in America from corn grown by American farmers.

No special training or knowledge is needed to fuel an E85 vehicle. E85 looks and fuels just like conventional gasoline.

The range of a vehicle operation on E85 is excellent.

E85 is a higher octane fuel than gasoline.

There is little to no incremental cost to you on the purchase of an E85 vehicle (Flexible Fuel Vehicle or FFV).

All E85 vehicles are proven reliable vehicles built as original equipment from the manufacturer and have the same warranties as gasoline vehicles.

There are already many stations selling E85 in Iowa and it is at least 10 cents cheaper at the pump.

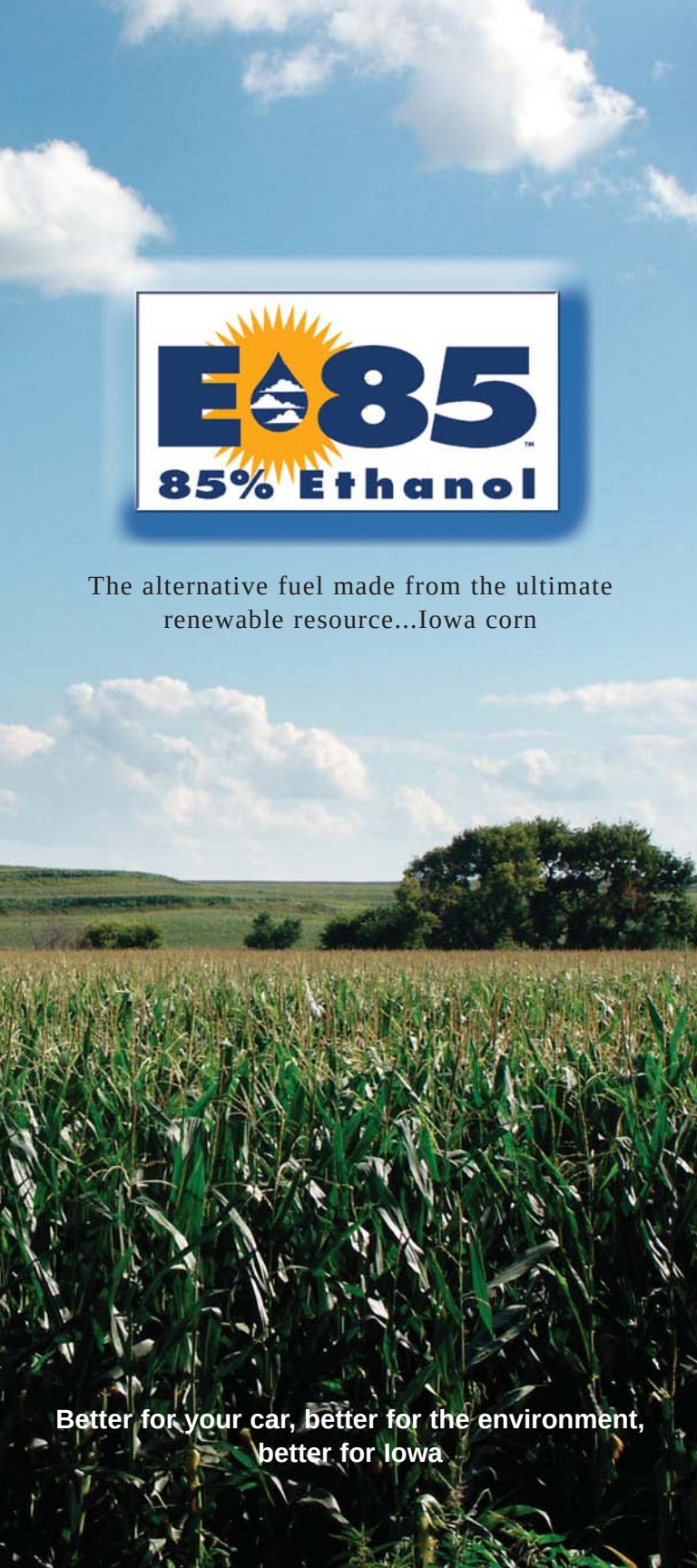
Keeps our energy dollars in Iowa, employing Iowans stimulating Iowa's economy.

E85 85% Ethanol

National Ethanol Vehicle Coalition

1-877-485-8595 toll free

Email: nevc@e85fuel.com • WEB: www. E85Fuel.com
For more information about becoming a member, visit the website, call or email the NEVC

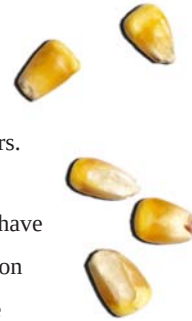

E85™
85% Ethanol
The alternative fuel made from the ultimate renewable resource...Iowa corn
Better for your car, better for the environment, better for Iowa

Ever wish America didn't depend on the Middle East for oil imports? Ever wish there was an alternative to gasoline? There is.

It's called **E85.**

E85 is a clean, practical, alternative fuel made from the ultimate renewable resource...Iowa corn. **E85** is 85% ethanol, distilled from corn, and only 15% gasoline. By fueling with **E85**, motorists can help reverse the trend toward greater middle east oil imports. We've got an abundant supply of clean-burning, high performing, renewable fuel right here in the states...right here in Iowa.

Ethanol is a high-octane fuel, produced by the fermentation of plant sugars. Typically it's produced from corn. That's certainly the case in Iowa with numerous ethanol plants around the state. Sioux Center, Iowa is home to a plant that not only distills ethanol, but also blends it with 15% gasoline to make **E85**. Think about it, corn grown by Iowans, processed by Iowans, fueling Iowans' cars.



Today, U.S. ethanol producers currently have the capacity to produce more than 2 billion gallons each year. While ethanol is made primarily from corn, it can be made from many other feed stocks and waste products. With more plants under construction, ethanol producers are poised to keep pace with the rapidly increasing demand for **E85**. A number of federal and private studies conclude that corn to ethanol production today creates 38 percent more energy than it uses!

One bushel of corn produces 2.7 gallons of ethanol in addition to several valuable co-products. Using only the starch from the corn kernel, the fermentation process leaves behind vitamins and protein for use in other products such as gluten feed and gluten meal which is fed to livestock right here in Iowa, adding even more value to the nation's largest corn crop.

For a current listing of stations that sell E85, please see our website at www.E85FUEL.com or call 1-877-485-8595

You may be wondering about how **E85** performs. That's the best part. **E85** has an octane rating of 96 compared to 87 for regular unleaded gasoline. That difference is enough to boost your vehicle's horsepower by three to five percent. Drivers may experience a slight decrease in fuel efficiency, however, that decrease is offset by the lower price at the pump.

E85 is at least 10 cents cheaper than gasoline.

Flexible Fuel Vehicles (FFVs)

Flexible Fuel Vehicles are specially designed to run on regular unleaded or any ethanol fuel blend up to 85 percent. Special on board diagnostics read the fuel blend, enabling drivers to fuel with **E85** or regular unleaded if **E85** is not available. Today, Ford Motor Company, General Motors, and DaimlerChrysler Corporation all offer **E85** engines as standard equipment in certain vehicles; therefore, little to no additional cost is incurred. The vehicles are proven reliable and come with the same factory warranties as gasoline vehicles. Check out the selection of FFVs at your local dealership.

FFV

What types of FFVs are being produced as of July '03?

DaimlerChrysler

- '04 4.7L Dodge Ram Pickup 1500 Series
- '03-'04 2.7L Stratus Sedans, Sebrings and Sebrings Convertibles
- '03 3.3L Dodge Cargo Minivans
- '98-'03 3.3L Dodge Minivans
- '98-'03 3.3L Plymouth Minivans
- '98-'03 3.3L Chrysler Minivans

Ford Motor Company

- '02-'04 4.0L Explorers
- '99-'04 3.0L Taurus LX, SE and SES Sedans
- '01-'03 3.0L Ranger Supercab 2WD Pickups
- '99-'00 3.0L Ranger 2WD and 4WD Pickups

General Motors Corporation

- '02-'04 5.3L Selected Sierra and Silverado Pickups
- '02-'04 5.3L Suburbans, Tahoes, Yukons and Yukon XLS
- '00-'02 2.2L Chevrolet S-10 and GMC Sonoma 2WD Pickups

Mazda

- '99, '01-'02 3.0L Mazda B3000 Pickups

Mercedes

- Selected 2003 3.2L C320 Series

Mercury

- '02-'04 4.0L Selected Mountaineers
- '01 3.0L Selected Sables

Isuzu

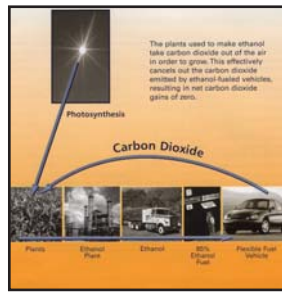
- '00-'01 2.2L Hombre Pickups

E85 Can Reduce Pollution

Ethanol is non-toxic, water soluble and biodegradable. Government tests have shown that **E85** vehicles reduce harmful hydrocarbon and benzene emissions when compared to vehicles running on gasoline. Ethanol fuel can also reduce carbon dioxide, considered a major contributor to global warming. Although carbon dioxide is released during ethanol production and combustion, it is recycled as a nutrient by the very crops that are used to produce it. Plants are able to absorb carbon dioxide (CO2) and give off oxygen through a process called photosynthesis.

Carbon is the key element in the chemical structure of plants and animals. Fossil fuels were formed from prehistoric plants and animals that were transformed into impound carbon. The consumption of fossil fuels circumvents the carbon cycle because it releases carbon that has been locked away by nature without providing a way to reabsorb it.

Conversely, ethanol works WITH the earth's carbon cycle. Much of the CO2 that is released when plants like corn are converted into ethanol and burned in automobiles is recaptured when new plants are grown to reproduce more ethanol.



E85
85% Ethanol