



cultivation
CORRIDOR®

The science that feeds the world.



LEADING THE NATION IN BIOFUELS AND BIORENEWABLES



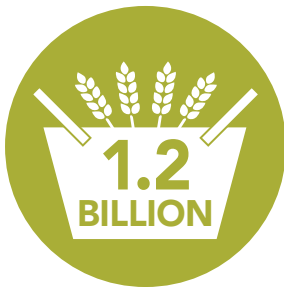
THE NATION'S TOP PRODUCER OF ETHANOL

Iowa's 43 ethanol plants accounted for 27% of total U.S. production in 2014, making Iowa first in the nation for ethanol production.

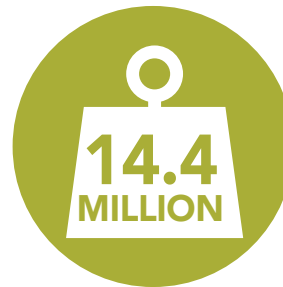
THE NATION'S TOP PRODUCER OF BIODIESEL

Twelve refineries in Iowa make the state first in the nation for biodiesel production. Together, they produce over 200 million gallons of fuel each year, or approximately 14% of total U.S. capacity.

A LEADER IN RAW MATERIALS



Iowa's ethanol industry produced approximately **1.2 billion bushels** of saleable distillers grains in 2012, more than any other state.



The harvest of **14.4 million dry tons** of biomass per year makes Iowa the nation's second-largest supplier of cellulosic feedstock.

ADVANCING INDUSTRY PRODUCTIVITY

↑ 760%
INCREASE

Ethanol production in Iowa increased from 440 million gallons in 2000 to 3.8 billion gallons today.

↑ 130K%
INCREASE

Biodiesel production in Iowa increased from 25,000 gallons in 2005 to 325 million gallons today.

AN ECOSYSTEM OF SUPPORT

Iowa's biofuels and biorenewables industry is sustained by the commitment of the state's communities, universities and public sector, yielding one of the nation's most competitive environments for biofuel and biorenewable chemical production.



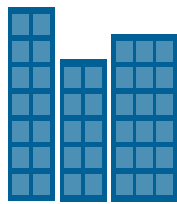
\$11.5 billion contributed to local economy



\$4 billion generated in new household income



62,000 jobs created or supported



\$600 million in cumulative research grants leveraged by state universities each year



Over **\$100 million** in grants contributed by the state toward capital costs and feedstock logistics

"No other location in the country has such a complete suite of capabilities for bioscience development — spanning basic plant improvements to the production of full-scaled biomass products."

— Battelle: *Iowa's Re-envisioned Economic Roadmap* (2014)

Iowa State University assets, including the Bioeconomy Institute and Center for Crops Utilization Research, are working to advance the biorenewable economy in Iowa and beyond.



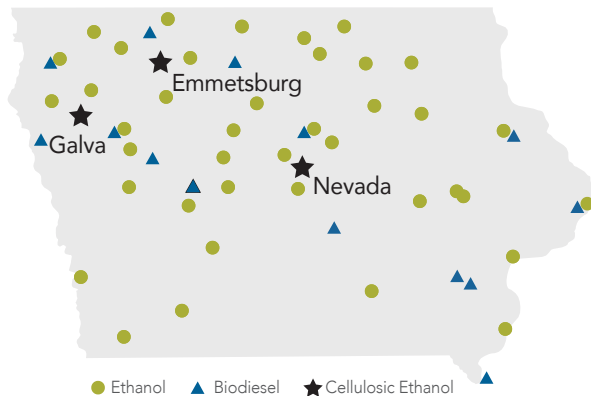
The Center for Biorenewable Chemicals (CBiRC) is developing the tools needed to move industrial chemical production away from petroleum reliance.



The BioCentury Research Farm is the nation's first integrated research and demonstration facility dedicated to biomass production and processing.

THE GLOBAL BIOECONOMIC CENTER OF GRAVITY

Iowa's more than 50 biofuels facilities, including three of the first cellulosic ethanol facilities in the U.S., have given our state one of the most competitive co-product and supply chains in the world.



Source: Iowa Renewable Fuels Association, 2012

QUAD COUNTY CORN PROCESSORS

QCCP produced the first commercial cellulosic ethanol from corn kernel fiber on July 1, 2014, at its Cellerate™ Facility in Galva, Iowa.

POET CELLULOSIC ETHANOL

Located in Emmetsburg, Iowa, the state's first commercial-scale cellulosic ethanol facility will create a \$24.4 billion economic impact over 20 years.

DUPONT CELLULOSIC ETHANOL

One of the world's first and largest biorefineries, this 30 million gallon facility is one of the first commercial cellulosic ethanol plants built in the U.S.



The Center for Bioplastics and Biocomposites (CB²) is focused on developing commercially viable biobased products from agricultural and forestry feedstocks.

POISED FOR GROWTH

The Cultivation Corridor is strategically aligned with numerous public, private and governmental organizations to maximize business growth opportunities in central Iowa.

