

A newsletter dedicated to Advanced Biofuels Educational programs, projects, competitions, scholarships, fellowships, green jobs and more. [Click here to SUBSCRIBE](#)

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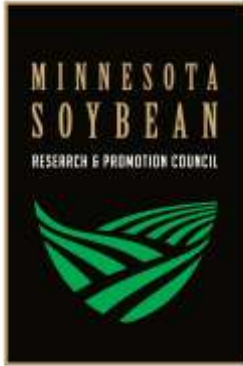
*Advanced Biofuels USA, a nonprofit educational organization, advocates for the adoption of advanced biofuels as an energy security, economic development, military flexibility and climate change solution.*



## Featured Story

### Program to Help Urban Teachers Learn More about Agriculture

The Minnesota Soybean Research and Promotion Council (MORPC) and the U.S. Farmers & Ranchers Alliance (USFRA), are inviting urban teachers to participate in Teacher Awareness Immersion Programs in Minneapolis, MN and Sacramento, CA.



They will select 20 teachers in the Minneapolis/Bloomington area to embark on a farm tour and tour of an agricultural facility followed by an informational session.

They will also select 20 teachers in the Sacramento area to embark on a farm tour and tour of an agricultural facility followed by an informational session.

At each event, teachers will have the opportunity to speak directly with a farmer, ask questions and learn more about our new agricultural curriculum available to high school educators.

The teachers who take part in the program will learn about innovation in today's agricultural industry, sustainability, crop biotechnology, animal health and welfare. They will also learn more about [USFRA's Discovering Farmland curriculum](#)



AND...each attendee will receive a brand-new iPod touch and virtual reality headset. There is no cost for participation and the curriculum tools are free.

Their goal is to raise teacher and student awareness of modern agricultural practices through real life and in-person experiences. [READ MORE](#)

## Educational News and Resources

Scroll down for:

- [Teacher Resources](#)

- News about and for Students and Schools (K-12)
- Scholarships, Fellowships, Internships in the US and around the world
- Competitions and Contests
- Executive or Professional Training
- Online Courses
- Featured Study Programs
- Green Jobs in the News

**Use these links for more information about:**

- [Grants](#) in the news
- [Requests for Speakers, Posters, Presentations](#)
- [Latest News about College/University Research](#)
- Webinars: [Upcoming](#) and [Archived](#)

## Teacher Resources

### *Activities, Texts, Books, Services, Conferences, Summer Programs ...*

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#### [Discovering Farmland: Teacher Awareness Immersion Program — August 31, 2017 — Sacramento, CA](#)

July 20, 2017 – Minnesota Soybean Research and Promotion Council (MSR&PC) and the U.S. Farmers & Ranchers Alliance (USFRA), would like to invite you to participate in our upcoming Teacher Awareness Immersion Program.

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#### [Teacher Awareness Immersion Program — August 29, 2017 — Minneapolis/Bloomington, MN](#)

July 20, 2017 Minnesota Soybean Research and Promotion Council (MSR&PC) and the U.S. Farmers & Ranchers Alliance (USFRA), would like to invite you to participate in our upcoming Teacher Awareness Immersion Program.

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#### [Teachers Offered a Day on the Farm](#)

July 20, 2017 – by Cindy Zimmerman (Energy.AgWired.com) The Minnesota Soybean Research and Promotion Council (MSR&PC) has partnered with U.S. Farmers & Ranchers Alliance (USFRA) to start a program to help urban teachers learn more about agriculture so they can teach it to ...

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#### [Summer Institute for Climate Change Education Wraps Up](#)

July 6, 2017 – (Climate Generation) Last week, we wrapped up our 12th annual Summer Institute for Climate Change Education at the University of Minnesota's Institute on the Environment! Over 50 educators from more than 10 states joined us for ...

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#### [18th National Conference and Global Forum on Science, Policy, and the Environment — January 23-25, 2018 — Arlington, VA](#)

June 29, 2017 – The Science, Business, and Education of Sustainable Infrastructure: Building Resilience in a Changing World — The 2018 NCSE National Conference and Global Forum on Science, Policy, and the Environment: The

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Science, Business, and Education of Sustainable ...

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### [3rd National Energy Education Summit — January 22, 2018 — Washington, DC](#)

June 29, 2017 – The purpose of the Summit is to engage energy educators in all sectors, including K-12, higher education and public education in sharing best practices and developing partnerships, in order to expand the impact and effectiveness ...

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Find more [Teacher Resources here](#).

## News about and for Students and Schools (K-12)

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### [Small Scale, Self-Contained—Key Concepts at EnergyPath 2017](#) (Includes list of middle and high school Science Fair winners)

July 28, 2017 – by Joanne Ivancic\* (Advanced Biofuels USA) “The goal of EnergyPath is to increase in knowledge of and passion for sustainable energy in the leaders of today and tomorrow.” Every region, if not every state, should ...

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### [A Total of 15 Young Men and Women Will Work alongside Technicians at the Stadium](#)

July 21, 2017 – (The Nassau Guardian) With a reputation for catering to outdoor events of all types and sizes, Bahamas Waste’s involvement in this year’s Commonwealth Youth Games (CYG) should come as no surprise. As a sponsor of ...

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### [High Gas Prices? No Problem for This Biofuel-Making Destrehan Teen](#)

July 7, 2017 – by Barry Guillot (Times-Picayune) ... Dillon Deshotel doesn’t worry about gas prices. Deshotel, a recent Destrehan High graduate, makes his own biodiesel at home. For him, fluctuating gas prices are irrelevant. His fuel is always less ...

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For more information about [K-12 activities](#) and [teacher resources](#), click on these topics in the Categories list along the right margin of the [Advanced Biofuels USA website](#). You can also find information on these topics on the [Teacher Resources](#), [For Kids](#) and [Education Resources](#) pages on the site.

## Scholarships, Fellowships, Internships in the US and around the world

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### [Bioenergy Internship & Fellowship Opportunities](#)

(U.S. Department of Energy) The U.S. Department of Energy’s (DOE’s) Bioenergy Technologies Office (BETO) regularly engages interns and fellows in the sciences, engineering, and liberal arts through a variety of internship and fellowship programs, including ...

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### [Travel Grants for Students to Attend October 29-November 1, 2017 Algae Biomass Summit](#)

(Algae Biomass Organization) The Algae Foundation has announced that it is offering \$500 travel grants for students to attend the 11th Annual Algae Biomass Summit in Salt Lake City, Utah, USA, from October 29 through ...

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[Education Internships at Idaho National Laboratory](#)

(Idaho National Laboratory) As a Department of Energy facility, INL offers a diverse number of paid internship positions to high school, undergraduate and graduate level students. These internship opportunities enable students to collaborate with experienced ...

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[Association of Commonwealth Universities' Early Career Academic Grants](#)

Early Career Academic Grants are open to early career academics employed by ACU member universities, enabling them to participate in a conference held in a Commonwealth country other than their own.

A minimum of 30 grants are on ...

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[Research Experience for Undergraduates Summer Program](#)

(Center for Bioplastics and Biocomposites ) Starting with the summer of 2017, the Center for Bioplastics and Biocomposites (CB2), will be establishing a new Research Experience for Undergraduates (REU) site designed to provide undergraduate students ...

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[Education Internships at Idaho National Laboratory](#)

(Idaho National Laboratory) As a Department of Energy facility, INL offers a diverse number of paid internship positions to high school, undergraduate and graduate level students. These internship opportunities enable students to collaborate with experienced ...

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[NIFA Announces \\$3.1 Million in Available Funding to Train the Next Generation of Agricultural Leaders](#)

(U.S. Department of Agriculture) The U.S. Department of Agriculture's (USDA) National Institute of Food and Agriculture (NIFA) today announced the availability of \$3.1 million to train the next generation of agricultural leaders. This funding is ...

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[Ciba Travel Awards in Green Chemistry](#)

This annual green chemistry award sponsors the participation of students—from high school through graduate school—to attend an American Chemical Society (ACS) technical meeting, conference, or training program, having a significant green chemistry or sustainability component. ...

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[CBMNet Funding Announcements: Includes Undergraduate Vacation Scholarships](#) Various deadlines (Crossing Biological Membranes Network) At CBMNet we foster collaborations between academia and industry to tackle research challenges in Industrial Biotechnology and Bioenergy (IBBE). We are working to understand the mechanisms by which substances are transported into, ...

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[The Young African Leaders Initiative \(YALI\)](#) is a signature effort to invest in the next generation of African leaders. President Obama launched YALI in 2010 to support young African leaders as they spur growth and prosperity, strengthen democratic governance, and enhance peace and security across Africa.

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The [Mandela Washington Fellowship for Young African Leaders](#) brings 500 dynamic young African leaders, ages 25-35, from across the continent to the United States for 6 weeks of leadership training and mentoring at twenty U.S. universities and colleges in three areas: business and entrepreneurship, civic engagement and public administration. In

2014, the Fellows were also hosted in Washington, D.C. for a three-day Presidential Summit featuring a Town Hall with President Obama. Following their in-depth academic coursework and leadership training, some Fellows remained in the United States to participate in eight-week professional internships with American NGOs, private companies, and governmental offices. Selected from nearly 50,000 applications, participants in the 2014 Mandela Washington Fellowship for Young African Leaders represent the extraordinary promise of an emerging generation of entrepreneurs, activists, and public officials. Upon returning to their home countries, the Fellows have access to professional development opportunities, mentoring, networking and training, and seed funding to support their ideas, businesses, and organizations.

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For more information about [Scholarships and Fellowships](#), click on those topics along the right margin of the [Advanced Biofuels USA website](#).

## Competitions, Contests

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[Consider Corn Challenge: New Uses for Field Corn as Feedstock for Making Sustainable Chemicals — DEADLINE: September 28, 2017](#)

June 12, 2017 – (NineSigma/National Corn Growers Association) Field corn production makes incredible contributions to human nutrition as a primary source of feed for cattle, hogs and poultry; to cleaner air and reduced greenhouse gases as the source of ethanol ...

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[RFA Launching 'Ethanol Days of Summer' Contest to Report Prices](#) Prizes daily through Labor Day

May 24, 2017 --(Renewable Fuels Association) Reporting prices for higher ethanol blends this summer could win you \$50 in free fuel per day. Beginning on Memorial Day, the Renewable Fuels Association is launching an "Ethanol Days of Summer" ...

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[Global Biobased Business Competition \(G-BiB\)](#)

(BE-Basic Foundation) The Global Biobased Business competition (G-BiB) is a competition for Master and PhD students from universities and universities of applied sciences in Germany, the Netherlands and Brazil. The objective of G-BiB is to stimulate entrepreneurship and innovation producing a biorenewable ...

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For information about other competitions and contests, [click here](#).

## Executive and Professional Training

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[UC San Diego Extension's Microbial Fermentation Workshop — August 16-18, 2017 — San Diego, CA](#)

Developed in partnership with UC San Diego's Division of Biological Sciences, this 3-day workshop is designed to provide a deep dive into bioreactor principles and bioprocess development. You will be equipped with the fundamental knowledge ...

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[Upcoming Ethanol Safety Seminars](#)

The Renewable Fuel Association, in partnership with several industry entities, will be hosting a series of Ethanol Safety

Seminars in 2017 at various locations throughout the United States. This course was developed to give first responders, hazmat teams, fuel transporters, and safety personnel an in-depth look at proper training techniques needed when responding to an ethanol-related emergency. The seminars are FREE to attend. The upcoming cities for 2017 Ethanol Safety Seminars are detailed below. To register, go to [www.rfa.traincaster.com](http://www.rfa.traincaster.com).

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#### [Online Ethanol Emergency Response Course](#)

The Renewable Fuels Association is now offering an online version of its Ethanol Emergency Response course for first responders.

The two-hour training course, offered in partnership with the International Association of Fire Chiefs (IAFC) and TRANSCAER®, covers content from the “Training Guide to Ethanol Emergency Response,” which has recently been updated.

This new online training is targeted towards emergency responders, but is open to anyone with interest in ethanol emergency response. Upon completion of the course, participants will have knowledge related to ethanol and ethanol-blended fuels, including the use, chemical and physical characteristics, transportation modes, transfer operations, basics of foam, suggested responder tactics and strategies and environmental issues.

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#### [TerraTech on VoiceAmerica Wednesdays at 6AM Pacific Time](#)

TerraTech highlights new and sustainable products, companies and cutting-edge advances in the lab that are changing the way people dress, eat, drink, drive, build, package, protect, monitor, maintain and get well. Each week, TerraTech features ...

## Online Courses

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#### [Climate Generation Offers a Suite of Grades 3-12 Curriculum Resources in the form of Curriculum Guides, as Well as Online Modules that Can Be Downloaded for Free.](#)

(Climate Generation) Aligned with Minnesota state science, social studies and language arts standards, the Next Generation Science Standards and the climate and energy literacy principles, the curricula has been reviewed by scientists, professional educators, and ...

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#### [@EthanolRFA Offers Online #Ethanol Emergency Course](#)

by Joanna Schroeder (Energy.AgWired.com) For first responders unable to attend in-person training courses, the Renewable Fuels Association (RFA) is now offering an online version of its Ethanol Emergency Response course. Offered in partnership with the ...

## Featured Study Programs

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Do you have a special program related to biofuels? Let us know.

## Green Jobs

## This month's articles that feature information about jobs in advanced biofuels and the bioeconomy

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### [The Sweet Smell of Success...and Beets!](#)

August 1, 2017 –(Treasure Coast Research Park) ... On Wednesday, June 14th, a team of research and industry leaders established through the leadership of St. Lucie County's Treasure Coast Research Park, gathered at Tropicana's feed processing facility in Fort ...

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### [House Committee Debates Future Federal Support of Biofuels](#)

July 28, 2017 – by Sara Taginawa (Environmental and Energy Study Institute) On Tuesday, July 25, the House Committee on Science, Space, and Technology held a hearing examining the future of biofuels and the Renewable Fuel Standard (RFS). According to ...

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### [Queensland Renewable Fuels Association to Partner with below50 to Scale up Development and Use of Low-Carbon Fuels](#)

July 25, 2017 – (JustMeans.com/Queensland Renewable Fuels Association (QRFA)) Today at the BIO World Congress on Industrial Technology, the World Business Council for Sustainable Development (WBCSD) and the Queensland Renewable Fuels Association (QRFA) signed a partnership agreement to scale ...

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### [“Dirty, Difficult, And Dangerous”: Why Millennials Won't Work In Oil](#)

July 21, 2017 – by Tsvetana Paraskova (Oilprice.com) Like many industries today, the oil industry is trying to sell its many job opportunities to the fastest growing portion of the global workforce: Millennials. But unlike any other industry, oil and ...

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### [SynSel Energy Inc. to Open Biofuels Plant in Ontonagon](#)

July 19, 2017 – by Jan Tucker (Your Daily Globe) Ontonagon has been selected as one of two initial sites in the U.S. for the construction of an advanced biofuels plant. SynSel Energy, Inc., is partnering with a U.S.-based financier ...

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## Webinars

For information about [upcoming webinars, click here.](#)

For [archived webinars, click here.](#) Often they are available for viewing online.

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## Requests for Speakers, Posters, Presenters

For information about conferences seeking speakers, posters and presenters, [click here.](#)

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## Grants

For information about [grants, click here.](#)

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## Latest News about University/College Research

For articles about recent developments in university/college research, [click here.](#)

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--**Educational News and Resources** newsletter with information about *teacher resources, scholarships, fellowships, competitions* and *contests*; and highlight articles about *green jobs* in the advanced biofuels world. [Subscribe](#)

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Did We MISS Something??? Let us know.

Also, what you would like to see in this Advanced Biofuels Education Newsletter?

If you have contributions, lesson plans, experiments or news you would like to share, please contact

Joanne Ivancic at [info @ AdvancedBiofuelsUSA.org](mailto:info@AdvancedBiofuelsUSA.org)

or call 301-644-1395

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