

**Syngenta International AG**

Media Office  
CH-4002 Basel  
Switzerland  
Tel: +41 61 323 2323  
Fax: +41 61 323 2424

[www.syngenta.com](http://www.syngenta.com)

**Media contacts:**

Paul Barrett  
Switzerland +41 61 323 2323

Paul Minehart  
USA +1 202 737 8913

**Analyst/Investor contacts:**

Jennifer Gough  
Switzerland +41 61 323 5059  
USA +1 202 737 6521

Lars Oestergaard  
Switzerland +41 61 323 6793  
USA +1 202 737 6520



media release

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## **Syngenta in cellulosic fuel collaboration to increase ethanol plant productivity**

- **Collaboration to use new process to make cellulosic ethanol from corn kernel fiber**
- **Technology to be marketed in combination with Enogen® corn**
- **Ethanol yield per bushel of corn expected to increase substantially**

Syngenta announced today an agreement with Cellulosic Ethanol Technologies, LLC to license its ACE (Adding Cellulosic Ethanol) technology, a new process for ethanol plants. ACE technology has been shown to significantly increase a plant's ethanol production while delivering other benefits such as increased corn oil production and higher protein content in Dried Distillers Grains (DDGs), an ethanol by-product used for animal feed.

In combination with Syngenta's proprietary Enogen corn trait, ACE technology allows the fiber as well as the starch in a corn kernel to be converted into ethanol. Enogen is the only corn output trait designed specifically to enhance ethanol production. It is expected that the ACE-Enogen® offer will enable ethanol plants to make further progress in reducing natural gas usage and increasing ethanol throughput, thereby improving their carbon footprint.

Davor Pisk, COO of Syngenta, said: "The adoption of Enogen in ethanol plants is accelerating, with six commercial contracts signed. The introduction of ACE technology will further drive growth. It has the potential to improve substantially both the profitability and sustainability of ethanol plants, enabling them to produce more energy with fewer resources."

Cellulosic Ethanol Technologies, LLC, is a subsidiary of Quad County Corn Processors (QCCP). Use of the ACE technology is scheduled to begin at QCCP's ethanol plant in Galva, Iowa in May 2014.

Delayne Johnson, CEO of QCCP, said: "The combination of ACE technology and Enogen corn is expected to generate significant synergies when used together in dry grind ethanol plants. This launch represents a major advance in the production of cellulosic ethanol."

Syngenta is one of the world's leading companies with more than 28,000 employees in over 90 countries dedicated to our purpose: Bringing plant potential to life. Through world-class science, global reach and commitment to our customers we help to increase crop productivity, protect the environment and improve health and quality of life. For more information about us please go to [www.syngenta.com](http://www.syngenta.com)

***Cautionary Statement Regarding Forward-Looking Statements***

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