



- ...→ [QUALISOY Supports Swine Allergenicity Study](#)
- ...→ [Educational Tours Coming to a Field Day Near You](#)
- ...→ [People You Should Know: Richard Galloway](#)
- ...→ [QUALISOY Calendar of Events](#)

QUALISOY Supports Swine Allergenicity Study



Humans and swine can both dine on soy, and certain members of both species can show allergic reactions afterward. Consequently, this has been a barrier to soy's inclusion in both diets. Because of this, QUALISOY works with the soybean checkoff and the National Pork Board to study soy's role in swine allergenicity.

Reducing allergens in swine rations could increase efficiencies by reducing the instance of allergic reactions to soy. The project seeks to use genomic strategies to develop elite soybean varieties with reduced allergenic properties, creating feed ingredients with improved digestibility.

Improving the digestibility of soybean meal could allow for greater inclusion of meal in swine diets, increasing long-term demand for soy. The goal of this project is to create a model that could also lead to improvements in human nutrition, pet foods and feed for aquaculture and poultry.

Educational Tours Coming to a Field Day Near You



QUALISOY directors and staff are hitting the road this summer and fall to bring the latest news on low-linolenic and other enhanced-quality soybean traits straight to the field.

In a partnership with the National Association of County Ag Agents (NACAA, www.nacaa.com), QUALISOY will host presentations and distribute educational materials to soybean farmers at field days throughout the Midwest. Field day attendees will also have the opportunity to participate in a raffle for farm budget management software, a hand-held global positioning system (GPS) unit or a digital camera.

Customers in the food and feed industries are demanding enhanced-quality traits for

improved human and animal health, like trans fat-free cooking oils and feed that reduces animal waste. This program will allow QUALISOY directors and staff to visit face to face with farmers in the field to let them know about the profit opportunities available in growing enhanced-quality soybeans.

Come visit with us at a field day near you!

QUALISOY Field Day Tour Dates

*Charles City, IA - June 28

*Clarion, IA - July 13

*Van Wert, OH - July 24

*Washington, IA - August 8

Greenville, OH - August 8

*Bryan, OH - August 16

*Mt. Gilead, OH - August 21

*Creston, IA - August 22

Circleville, OH - August TBD

*York, NE - August 22

Champaign, IL - August 29

*Mt. Vernon, IL - September 6

*Iowa City, IA - September 6

Marysville, KS - September 12

*Boonesville, IN - September 13

*Newark, OH - December 1

*Represents Field Day locations with low-linolenic soybeans in their test plots.

People You Should Know:

Richard Galloway



QUALISOY brings together an array of industry experts to research and promote enhanced-quality traits. One of these experts is Richard Galloway, president of Galloway & Associates, LLC. Galloway's 25-year career in the soybean processing and vegetable oil refining business - plus almost 10 years as an industry consultant - gives him the experience to provide strategic, commercial, marketing and similar services to the QUALISOY Board, the United Soybean Board and others.

QUALISOY: What has your recent work focused on?

GALLOWAY: I help evaluate potential traits the industry is considering developing. This work involves analyzing the forces of supply and demand through the entire value chain, including seed companies, farmers, processors and end users. This analysis has shown that low-linolenic and mid-oleic soybean oils can provide an economic return and can help soy hold onto the lion's share of the edible oil market in the United States.

QUALISOY: How has the soybean industry changed throughout your career?

GALLOWAY: There has been a lot of consolidation in the processing industry. We now have about the same number of plants as we did 30 years ago, but twice the processing capacity as back then. Plants have become bigger and more efficient. But the problem is that as plants get bigger and bigger, it's harder for them to handle small volumes of identity preserved soybeans - they aren't designed to run a different seed for three days. So not only do we need to change the paradigm of the "commodity bean" for farmers, we also need to do so for crushers.

QUALISOY: What do you consider to be the most exciting enhanced-quality soybean trait in the research pipeline?

GALLOWAY: A stacked trait of mid oleic fatty acid (above 50 percent) and low saturated fat (around 7 percent) will be commercialized as early as 2010. It will have a low level of linolenic acid (below 3 percent) but will be even more stable than low-linolenic oil while increasing oleic fatty acids and decreasing saturated fatty acids. This trait will be useful in any high-heat application, like heavy-duty frying. It has a longer shelf life and is even healthier than low-linolenic oil.

QUALISOY: What is your vision for the future of the soybean industry?

GALLOWAY: A number of new traits will be introduced, like increased oleic acid, high stearic acid and omega 3 enhanced soybeans. Food and feed companies will demand different types of soybean oil and different types of meal to fit specific needs and uses. Food companies are already accustomed to this because even in the days of hydrogenation, food companies used dozens of different kinds of oils. But for grain elevators and farmers, much more separation will be necessary to answer customer demand.

QUALISOY Calendar of Events

Come see us at

Farm Progress

August 28-30

Decatur, IL

www.farmprogressshow.com

Prepared Foods R&D Conference

September 17-18

Itasca, IL

www.bnpevents.com/PF/RD

Healthy Customers, Healthy Profits Seminar

September 26-29

Philadelphia, PA/Baltimore, MD

www.hchpseminar.com/speakers.php

International Baking Industry Expo

October 7-10

Orlando, FL

www.ibie2007.com

American Association of Cereal Chemists

October 7-10

San Antonio, TX

<http://meeting.aaccnet.org>

National Association of Farm Broadcasting

November 14-16

Kansas City, MO

www.nafb.com



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