

# Kentucky Ag Tour

Alltech / Three Chimneys Farm / University of Kentucky

Monday, April 15, 2013

7:30 a.m. – 4:45 p.m.



As of March 13, 2013

**\*\*Louisville will be on Eastern Daylight Time. All times listed are EDT.\*\***

**Tour Schedule** (exact times may vary):

- 7:30 a.m. Depart for Alltech Corporate Headquarters
- 9:00 a.m. Arrive Alltech Corporate Facility Tour
- 10:15 a.m. Alltech Research Farm - Aquaculture, Ruminant and Equine
- 11:00 a.m. Lunch at Connemara Golf Club
- 12:30 p.m. Leave for Three Chimneys Farm
- 1:00 p.m. Arrive at Three Chimneys Farm
- 2:30 p.m. Leave for University of Kentucky
- 3:30 p.m. Depart for Louisville
- 4:45 p.m. Arrive at Hotel

Founded in 1980 by Dr. Pearse Lyons, Alltech improves the health and performance of animals, plants and people through natural nutrition and scientific innovation. With more than 3000 employees in 128 countries, Alltech delivers solutions to the food and feed industries through its innovative use of yeast fermentation, enzyme technology, algae and nutrigenomics.

[Alltech](#) works with the largest feed manufacturers in the world, providing them with nutritional technologies that not only add value financially but are natural and friendly to the Animal, the Consumer, and the Environment, Alltech's ACE principle approach.

**2013 NIAA Annual Conference**

April 15-18 \* Louisville, KY

“Animal Agriculture’s Vision to Feed the World:  
Merging Values & Technology”



Visitors to Alltech's Headquarters in Nicholasville, Ky., receive a first-hand look at the epicenter of Alltech's global operations. Highlights of the tour include:

The Alltech Center for Animal Nutrigenomics & Applied Animal Nutrition. Here, Alltech collects data on the genetic responses of animals to different dietary conditions. This microarray data is gathered from research conducted in the Center itself and through various collaborative efforts with major universities and research centers globally. The resulting database is the largest of its kind in the world, with more than 1,000 test samples from mice, chickens, pigs and cows.

The Alltech Farm is home to three of Alltech's research facilities: aquaculture, ruminant and equine.

### **Three Chimneys Farm**

In the beginning [Three Chimneys Farm](#) was one hundred acres, nine broodmares and an historic log cabin for an office. Forty years later, it encompasses 1,800 acres spread across four divisions, with offices in Japan, France and Great Britain. As a leader in Thoroughbred consignment, Three Chimneys provides their customers with professional, unbiased and sound advice. Whether it's how best to breed, sell, market, or care for a horse, customers can make an informed decision with confidence. The farm is home to many winners including the late, Triple Crown Winner, Seattle Slew.

### **University of Kentucky**

The stop at the University of Kentucky's 1,500-acre Animal Research Center will put beef, sheep and swine research center stages, with visits to the Animal Science Beef Unit and the Sheep Unit.

The [UK](#) Beef Research Center has state-of-the-art facilities for conducting beef cattle production and management research. Production facilities include 48 pens for feeding experiments, 60 Calan gates for individual feeding, 24 individual pens for more intensive sampling or feeding studies and 32 grazing nutrition experiments performed on 7.5 acres each. A feed center for diet preparation and a handling facility for sorting and weighing animals surrounds the center on approximately 450 acres.

The university's 350-ewe flock is located on 110 acres, with research conducted within the confines of the lambing barn which contains 12 pens that open to a gravel "runout." Four bays of lambing pens are located in the center of the barn. The Sheep Unit is designed to maximize forage evaluation research, with opportunities available to conduct intensive research in the areas of milk production, creep feeding, digestibility, growing-finishing and wool production. The entire barn is wired for

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computerization and video recording.

During the UK stop, researchers will explain work occurring at the Swine Research Unit that accommodates 120 working sows, with 12 farrowings every two weeks or 312 litters per year. Approximately half of the pigs are finished to market weight. Research is devoted primarily to investigating and assessing nutritional variables that will maximize the reproductive and lactational performance in sows, enhance the survival and maximize the rate and efficiency of growth in weanling pigs and maximize the rate, efficiency and economy of growth and maximize carcass leanness in growing-finishing pigs.

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