

Science and Technology

Supporting Pork Producers in all aspects of production

Nutritional Efficiency Consortium

The Pork Checkoff has developed a Swine Nutritional Efficiency research effort to assist producers to reduce and/or optimize feed costs and maximize production efficiencies for growth and feed conversion. This cooperative effort will target areas related to nutritional efficiency and will be directed through the Checkoff Nutritional Efficiency Consortium coordinated by the National Pork board Animal Science Committee.

The primary objectives of the program are:

- To economically maximize production efficiencies through improved feed conversion and reduced/optimized feed costs.
- To help producers lower feed costs through improved feeding technologies and information about the use of lower-cost alternative diet ingredients.
- To develop comprehensive research programs to enhance genomic and cellular level nutrient utilization processes and capabilities in the pig.



NEC Research Summary for 2007-2008

during 2007 and 2008, the Nutritional Efficiency Consortium and the cooperative efforts of the Illinois Corn Marketing Board awarded a total of \$1,847,552 to research institutions across the USA!

These awards promise to make a tremendous impact on the efficiency of nutrient utilization for producers of all sizes and the first of many valuable result summaries from this research will be available in early 2009. These awards also impact local economies and provide employment and continuing educational opportunities for many students assisting with the research. Below are the highlights of our efforts to date!



Total NEC Funds Awarded: **\$1,347,552**

Illinois Corn Marketing Board: **\$500,000**

Funded Research By Topic:

Production research for DDGS and glycerol	18 projects
Implications for pork quality with DDGS and glycerol	7 projects
Nutritional efficiency and digestibility of DDGS fed to swine	8 projects
DDGS and swine housing and management research	3 projects
Sulfur and aflatoxin mitigation in swine diets	2 projects
Residual feed intake and lactation efficiency research for production	2 projects

Research Institutions Funded:

Iowa State University	University of Illinois
Kansas State University	University of Kentucky
Michigan State University	University of Minnesota
Purdue University	University of Wyoming
Southern Illinois University	USDA

Research Funds in the First 2 Years Provided For:

Graduate Student Stipends	22
Post-Doc Appointments	3
University Student and Technicians Labor	approximately 11,000 hours



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Nutritional Efficiency Consortium Members

National Pork Checkoff Board

- Arizona Pork Producers
- DPI Global
- Elanco
- Illinois Pork Producers
- Iowa Corn Promotions Board
- Iowa Pork Producers
- JBS United
- Kansas Corn Growers Association

Illinois Corn Marketing Board

- Kansas Pork Producers
- Lucta
- Minnesota Pork Producers
- Mississippi Pork Producers
- Missouri Pork Producers
- Missouri Soybean Merchandising Council
- Monsanto / Renessen
- Montana Pork Producers
- National Corn Growers Association
- Nebraska Pork Producers
- North Carolina Pork Producers
- Ohio Pork Producers
- Pioneer
- Utah Pork Producers
- Wisconsin Pork Producers

