



Pork Council Rep To Speak In Yankton

How are farmers using science and technology to grow healthier food? What's the impact on our food, animal care and the environment?

Those questions will be answered on Monday, June 2, during the Yankton Morning Optimist Club meeting. Stacey Sorlien of the South Dakota Pork Producers Council will address the group at noon at the Fryn' Pan located at 502 W. 21st St. in Yankton.

Titled "Farming and Food" the speech by Sorlien will highlight how ongoing advancements in agricultural science are helping farmers raise better food while using fewer natural resources than ever before. "Farmers who raise pigs have been able to make great progress in animal health, food safety and protecting the environment," said Sorlien. "And farmers know they must always keep learning and working to get better at what they do." Farmers now use 41-percent less water and 78 percent less land to raise pigs than they did 50 years ago.

"Modern barns, a focus on nutrition and animal care mean pigs live healthier lives than ever before," said Sorlien. "And, healthy pigs mean healthy food. For example, pork tenderloin today is as lean as a skinless chicken breast and is certified by the American Heart Association as a heart-healthy food. I'd like to thank the Yankton Morning Optimist Club for giving me an opportunity to share what farmers are doing to make sure safe and healthy food gets to the dinner table today and in the future."

There are 68,000 pork producers in the United States. South Dakota pork production contributes \$520 million to the state's economy.

Beef Improv. Convention In Lincoln

BROOKING — Commercial and seedstock producers have an opportunity to learn the latest information about beef genetics and how to apply that knowledge to improve their herds during the Beef Improvement Federation Convention that will be held in Lincoln, Nebraska June 18-21.

"This conference brings together leaders in the beef industry and research fields to discuss issues surrounding genetics, technology, and management to help improve profitability and efficiency," said Warren Rusche, SDSU Extension Cow/Calf Field Specialist.

This year is the 50th anniversary of the U.S. Meat Animal Research Center (USMARC) located in Clay Center, Nebraska. To mark that anniversary the convention will kick off with a welcome reception beginning at 5 p.m. on June 18 followed by a USMARC Symposium: 50 Years of Service to the Beef Industry.

Some of the other topics that will be covered June 19-20 include economic considerations for profitable cow herds, heifer intake and feed efficiency, heifer development strategies, selection for novel traits, genetics of disease susceptibility, genetically changing the nutrient profile of beef, nutritionally changing the fatty acid profile of beef, improving feed efficiency in the feedlot, and the relationship between selection for feed efficiency and methane production.

For a full schedule including online registration and lodging information, visit www.BIFconference.com.

Dairy Presentation Set For Brookings

BROOKINGS — South Dakota State University and NIZO food research have joined forces to offer a unique symposium entitled, "High Quality Dairy Ingredients: Spray Drying, Functionality and Application." The symposium will be led by Has-mukh Patel, Assistant Professor at South Dakota State University, Thom Huppertz, Principal Scientist at NIZO and Deb Anderson, Vice President of Business Development USA at NIZO, and a 1992 Dairy Science SDSU alumnus. The event will take place at the Davis Dairy Plant on the campus of SDSU June 10-11.

The focus of the event will be to offer an interactive setting for learning strategies to optimize the processing and functionality of dairy ingredients, such as:

- Better process control
- Longer run times between cleaning
- Rehydration and recombining performance
- Application in infant, clinical or sports nutrition.

"Joining this course will enable you to update your knowledge of advancements in concentration and spray drying, learn strategies to optimize the manufacture of your dairy ingredients, gain new insights into functional properties of dairy ingredients and their applications, see the Davis Dairy Plant in action and expand your network of dairy ingredients professionals," said Has-mukh Patel, Assistant Professor, Dairy Science at South Dakota State University.

A unique combination of leaders from industry, research and academia have been selected, among whom are Vikram Mistry, Has-mukh Patel and Lloyd Metzger of South Dakota State University, Thom Huppertz and Martijn Fox of NIZO food research, Juan Gonzalez with Mead Johnson Nutrition and Steve Wright with GEA Process Engineering Inc.

All speakers have a strong track record in the application of science and technology to optimize spray drying and functionality of dairy ingredients for a wide variety of specialty and commodity applications.

NIZO food research is one of the most advanced, independent contract research companies in the world. It helps food and ingredient companies to make better foods and be more profitable.

SDSU and NIZO welcome professionals involved in dairy ingredients manufacture and application to join, including R managers, process and product developers and technologists, and senior plant operational staff.

For more information, visit www.sdstate.edu/ds or <http://www.nizo.com/files/959> or call, Dr. Has-mukh Patel, Phone 605-690-6080, e-mail: Has-mukh.Patel@sdstate.edu.

To register visit <http://www.nizo.com/news/courses/registration/67/register/>.



PHOTO: RITA BRHEL

ON THE FARM, LET THERE BE

LIGHT

Lighting Is An Important Part Of Ag Enterprise

BY RITA BRHEL

P&D Correspondent

No matter their farm size, producers are continually seeking ways to improve cost savings. While it's important to look for areas of the budget to make major cuts, much of an operation's savings is found in small improvements here and there. One such update that can make a difference is in the farm's electric grid.

"Lighting is usually not the biggest energy user on the farm, but it is easy to make changes to," said Dan Ciolkosz, an agricultural engineer at Penn State in University Park, Penn., and a nationally leading expert in energy efficiency.

The easiest way to lower the electric bill is simply to turn off lights when they're not needed. This means taking advantage of natural lighting during the day by making sure there are enough windows in the facilities.

In situations such as milking, calving or veterinary care where natural lighting is too dim and electric lighting is required, strategic placement of lights can make a big difference. Ciolkosz described two main lighting approaches: general, which ensures uniform illumination throughout a space; and task, where the light is directed only on a specific area. Many lighting situations combine the two approaches, so that there is general lighting throughout the larger space with task lighting in specific spots for finer work. Through strategic lighting, producers gauge appropriate locations for task lighting as well as whether how natural lighting

can compensate for reduced general lighting.

Furthermore, in areas requiring general lighting, automatic controls can extend use of electric lighting during the winter when daylight is minimal while still limiting electricity during other seasons when there is no need for additional evening light.

It's important to realize how lighting differences influence livestock, just as lighting variations can negatively or positive affect humans — such as short daylight hours contribute to Seasonal Affective Disorder, and certain levels of illumination can convey spaciousness or enhance moods of relaxation or privacy. For example, more illumination increases rate of gain among steers and broilers, dimmer lighting reduces aggression in most animal species and longer daylight hours stimulate more milk production in dairy cows and extended egg production seasons in hens.

Various production goals require different lighting situations, but there are a lot of modern lighting options available that help improve efficiency on the farm. Ciolkosz suggested selecting systems rated for situations specific to agricultural settings, such as "moisture" or "dust." But before spending the money on a new system, producers should consider how much savings it would result in, versus how much the new system would cost.

"The energy savings that we're able to achieve should offset the installation costs," Ciolkosz said.

Production systems with potential for high profit in the short term are able

to recoup the installation costs sooner. Operations, such as small farms whose profits are more limited, may not find a high-dollar update to the lighting system to be worth the expense.

There are options for farmers who opt not to put out the cash for a new, high-efficiency lighting system. First, Ciolkosz suggested giving more attention to maintaining the existing lighting system. Taking the effort to regularly clean systems, inspect and replace parts like sockets and wiring, and to change dimming bulbs before they burn out translates into cost savings over time.

Another easy update is switching from incandescent to compact fluorescent (CF) or light-emitting diode (LED) bulbs. While CF and LED bulbs tend to be more difficult to clean, they are inexpensive and have marked longevity compared to incandescents.

Ciolkosz himself prefers CFs to LEDs, but only because he's waiting on the next "big thing" to come along.

"They [LEDs] are not necessarily the panacea that people think they are," he said. "They are very long lasting, but we just don't know the long-term performance. In general, the efficiency is good and the efficiency seems to be getting better with time. The questions is, as a farmer, do you want to put in LEDs now that may last 40 years and be stuck with them if something better comes along?"

For more farmers, though, LEDs offer unprecedented energy savings in lighting and is well worth the risk of waiting for something better to come along.

SDDA Launches New Log Finder Website

PIERRE — The South Dakota Department of Agriculture (SDDA) has launched a new Log Finder website to connect those wanting to remove trees on their property with those looking for wood. The website can be found at <http://sdda.sd.gov/conservation-forestry/biomass-utilization/>.

According to the SDDA state forester and director of the Resource Conservation and Forestry Division, Ray Sowers, "There is a lot of wood ending up in landfills from trees that are being cut down. There are also small sawmill owners, particularly in eastern South Dakota, that are looking for fine hardwoods they can cut into

boards for making fine products. With this website, we hope to bring those with trees to remove together with those wanting the wood."

Use of the site is not limited to people in eastern South Dakota. "Anyone in the state with trees they want removed can post information on the site. Also, anyone looking for trees can post information about what they are looking for," said Sowers.

People with trees to be removed will post their information as sellers. People that want to obtain trees for making wood products can post their information as buyers. Buyers and sellers

can communicate through a secure messaging system. Personal contact information is not shared until they choose to provide it through the messaging system.

People can also post a picture of the tree or trees they want removed.

"Hopefully, this site will

help improve the utilization of trees that were once destined for a landfill, and create some jobs that go along with a growing wood products industry," said Sowers.

For more information, contact Greg Josten with SDDA at 605-394-2395.

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Thank You

Thank you doesn't cover the feelings of gratitude the family of Tasha (Goeden) Anderson wishes to say. But a BIG thank you to all of our family, friends, neighbors, co-workers, surrounding communities, and all of the other people who made her benefit such a success! She knew that, because of y'all, she didn't have to worry anymore.

With Overwhelming Gratitude,
Jeremy and Harper & all of the rest of Tasha's Family

Thank You

The family of **Ann Souhrada** would like to extend our heartfelt appreciation after the passing of dear Ann. Thank you for the visits, cards, flowers, food and memorials.

We would like to especially extend our gratitude to the following: the staff at Sister James Nursing Home, Roman & Ruth Steffen for all the wonderful care, Clergy Rev. David Fulton, Msgr. Carlton Hermann, choir, Menominee ladies luncheon, Opsahl-Kostel Funeral Home and pallbearers.

God Bless All of You,
Ann's sister Irene, nieces Janet, Mary Jo, Helen, Kathy & nephew David