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NC Dairy Producers Association Update
by Norman Jordan, Jr., NCDPA President

The mission of the North Carolina Dairy Producers Association (NCDPA) is to ensure the future presence of profitable and viable dairy farms in North Carolina.

Last year at this time the NC Dairy Strategic Plan titled Dairy Advantage was introduced. NCDPA helped establish the North Carolina Association for Dairy Stabilization and Growth, Inc. (NCADSG) This organization will, along with other responsibilities, oversee the activities associated with the strategic plan. During the past year NCDPA helped in acquiring funding, from the General Assembly, for the creation of two new Statewide Dairy Agent positions. These positions have been advertised and hopefully will be filled soon. The NCADSG established a dairy development coordinator position and we look forward to working with Matt Lange who has taken that position.

The NC Dairy Biosecurity committee held three area training meetings during July of 2008. Producers who were unable to attend are now being trained individually. Once this is completed NC will be the only state with all dairy farmers trained in biosecurity protocols to prevent the spread of a Foreign Animal Disease.

NC Cattle General Permits are set to expire September 30, 2009. New draft permits have been developed, with additional requirements, and public hearings have been held. NCDPA has submitted comments, on behalf of the dairy industry, on these proposed General Permits.

Governor Beverly Perdue held an Agricultural Listening Session, prior to taking office, in Raleigh on December 12, 2008. NCDPA, along with the other Ag. Commodity groups had the opportunity to provide some brief comments. We shared with Gov. Perdue the Dairy Advantage Program and highlighted the economic importance of dairies as well as some areas of concern to the industry.

These are just some of the activities that the NCDPA has been involved in this past year. I hope that you can attend the NCDPA annual meeting the evening of February 23 for a more complete update, and stay for the 58th Annual Dairy Conference February 24th. The conference provides, in addition to the educational program, an opportunity to visit the exhibitors at the trade show who provide needed support to the dairy industry.

See Dairy Conference program and registration information at the end of this newsletter.
2008 State 4-H Dairy Judging Team Competes in Pennsylvania and Wisconsin

Congratulations to the 2008 North Carolina State 4-H Dairy Judging Team for an outstanding judging season. Coaches were Ken Vaughn (Lead Coach; County Extension Director in Iredell County); Brad Johnson (Dairy and Livestock Extension Agent in Rowan County); and Dr. Brinton Hopkins (Extension Dairy Specialist).

State 4-H Team Members: Shelby Karriker (Davie County); Ben Ketchie (Rowan County); Courtney Elliott (Randolph County); and Katie Wicker (Randolph County).

Primary funding for the team to travel and compete was generously provided by the North Carolina Dairy Youth Foundation.

Harrisburg, Pennsylvania Contest:
Our state team placed 9th overall and 10th in reasons in the Pennsylvania Youth Dairy Cattle Judging Contest held in Harrisburg, PA. The team placed 1st in Brown Swiss, 7th in Guernsey, 9th in Holstein, 9th in Ayrshire, and 12th in Jersey. Individual highlights included: Katie Wicker (3rd in Brown Swiss); Courtney Elliott (6th in Brown Swiss) and Ben Ketchie (13th in Guernseys). On the trip to Harrisburg, the team visited the Gettysburg battlefield and the North Carolina Memorial. While in Pennsylvania, the team also toured Hershey, PA and the Amish area in Lancaster County.

National 4-H Dairy Judging Contest held at the World Dairy Expo in Madison, Wisconsin:
The state team traveled to Madison, Wisconsin and competed at the National 4-H Dairy Judging Contest held at the World Dairy Expo. Our state team placed 15th in total overall score and 15th in total reasons score out of 27 U.S. teams.

The team placed 6th in Holstein, 7th in Ayrshire, 12th in Jersey, 20th in Guernsey and 24th in Brown Swiss. Individual highlights included: Shelby Karriker (13th in Holstein); Ben Ketchie (13th in Brown Swiss, 14th in Ayrshire, and 25th overall) and Katie Wicker (22nd in Guernsey, 24th in Ayrshire, and 26th in Holstein).

On the Saturday before the contest, our North Carolina State 4-H Team participated in practice judging sessions at Daltondale Ayrshires in Hartland, WI; Agnew Farm in Oconomowoc, WI and Crescentmead Holsteins in Ixonia, WI. On the day before the contest, the team had a great time participating with the other teams in touring dairy sites in Fort Atkinson, Wisconsin including NASCO, the National Dairy Shrine, and the Hoard’s Dairyman Farm. They also participated in judging practice sessions at Sunshine Genetics, Inc. in Whitewater, Wisconsin and Barlass Jersey Farm in Janesville, Wisconsin. On the day following the contest, the team visited World Dairy Expo where they saw dairy exhibits as well as some of the finest dairy cattle in the world.
2008 State 4-H Dairy Judging Team: (Left to right) Ken Vaughn, Iredell County Extension Director and Lead Coach; Courtney Elliott (Randolph County); Shelby Karriker (Davie County); Katie Wicker (Randolph County); Ben Ketchie (Rowan County); and Brad Johnson Rowan County Livestock and Dairy Extension Agent, Assistant Coach

North American 4-H Dairy Cattle Judging Contest in Louisville, KY:
Congratulations to Brittany Sturgill from Alleghany County who competed as an individual in the North American 4-H Dairy Cattle Judging Contest in Louisville, KY. Elizabeth Moretz, Area Specialized Dairy Extension Agent, served as her coach.
North Carolina State 4-H Dairy Quiz Bowl Team Competes at 2008 North American Contest in Kentucky

Congratulations to the Randolph County 4-H Dairy Quiz Bowl Team who did a great job representing North Carolina and competing at the North American 4-H Dairy Quiz Bowl Contest in Louisville, Kentucky. Team members included Terri Lane Frazier, Adam Frazier, Katie Wicker, and Justin Harden. Kerri Beth Frazier served as the coach.

2008 State 4-H Dairy Quiz Bowl Team from Randolph County: (Left to right) front row: Kerri Beth Frazier, Coach; Terri Lane Frazier; standing: Katie Wicker; Adam Frazier; and Justin Harden.

North Carolina Youth Participates in the 2008 National 4-H Dairy Youth Conference at the University of Wisconsin-Madison

Congratulations to Avery Lutz (Davie County) for being selected, through an application and interview process, to attend the National 4-H Dairy Conference that was held on the University of Wisconsin-Madison campus during World Dairy Expo. Youth from across the United States and certain provinces of Canada participated in this educational conference. Youth participated in many outstanding educational sessions and seminars on the University of Wisconsin-Madison campus and visited several dairy farms, a commercial dairy heifer grower farm, ABS headquarters and the World Dairy Expo. They also toured the new dairy facility at Hoard’s Dairyman Farm, Hoard’s Dairyman publishing company, the National Dairy Shrine and NASCO. Funding for Avery Lutz to attend this conference was generously provided by the North Carolina Dairy Youth Foundation.

In addition, congratulations to Avery who was selected, from all of the youth from across the United States attending this conference, to be one of two youth to serve on the National 4-H Dairy Conference Planning Committee for 2009.
The newborn dairy calf needs energy. The calf is born with only about 4% body fat. Approximately half of this body fat can be mobilized for thermogenesis (process of heat production). If not fed properly, the calf only has about 2 days of body fat reserves.

Once these body fat reserves are depleted, the newborn calf uses the small amount of body protein reserves it has available to generate heat and for an immune response if the dietary nutrient intake is below maintenance requirements. It is also important to know that limited body reserves and a lack of adequate nutrient intake can impair the immune system of the neonatal calf.

The table below shows the pounds of dry milk replacer or milk dry matter needed to meet the daily maintenance requirements of a dairy calf at various ambient (environmental) temperatures. For a 100-pound calf to maintain current body weight, it must consume one pound of dry milk replacer or milk dry matter daily when the ambient temperature is 68 degrees F. However, the requirement increases to 1.6 pounds of dry milk replacer or milk dry matter daily when the ambient temperature is 15 degrees F.

### Pounds of Dry Milk Replacer or Milk Dry Matter* Needed to Meet the Daily Maintenance Requirements of Dairy Calves at Various Ambient Temperatures

<table>
<thead>
<tr>
<th>Calf Body Weight, lb</th>
<th>Ambient Temperature, degrees F</th>
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<tr>
<td></td>
<td>68°F</td>
</tr>
<tr>
<td>60</td>
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<tr>
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<tr>
<td>100</td>
<td>1.0</td>
</tr>
<tr>
<td>120</td>
<td>1.1</td>
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</tbody>
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*Calculations assume 2.45 Mcal ME per lb of dry matter

Monday, February 23
1:00 - 3:00 p.m. Dairy Foods Safety and Quality Conference
Steele Room
1:30 p.m. ADA of NC/SUDIA Board Meeting
Salisbury Room
2:00 p.m. NC Dairy Youth Foundation Board Meeting - Suite 102
3:00 - 5:00 p.m. NC Dairy Advantage Board
Steele Room
5:30-6:45 p.m. NC Dairy Industry Buffet Supper Jackson and Overman Rooms
Comments from Mr. Matt Lange, NC Dairy Development Coordinator
7:00 p.m. North Carolina Dairy Producers Association
14th Annual Meeting
Steele Room
- President’s Report
- Committee reports
- Special awards
- NCDPA Board meeting

Tuesday, February 24
9:45 a.m. “BVD Control on the Dairy...Identifying PIs and Prevention” Bruce Hoffman, DVM, Animal Profiling International, Inc.
10:35 a.m. Forging New Roads For Dairy Sales, ADA of NC/SUDIA Annual Meeting, Ms. Cheryl Hayn, General Manager
11:15 a.m. – Luncheon (Buffet) Session: Jackson & Overman Rooms
Chair: Wayne Lutz, President, NC Dairy Youth Foundation
Marvin E. Senger Distinguished Dairy Farmer Award - Dr. Todd See, Interim Head, Dept. of Animal Science, NCSU
Virtual farm tour – Senger award winner
Dairy Youth Foundation Report and Raffle Drawing

View Exhibits: Thanks to our supporters
*Afternoon Session: “Managing energy, nutrients, and money” Steele Room
Chair: Matt Lange, NC Dairy Development Coordinator
1:00 p.m. “How a Farm Energy Audit Might Help You” Dr. Mike Morris, Program Specialist- The National Center for Appropriate Technology
1:35 p.m. “Logistics for Farm Energy Audits in NC” Chester Lowder, NC Farm Bureau
1:50 p.m. “Options in 2009 for On-Farm Energy and Nutrient Conservation Using Manure and Biomass” Dr. Kelly Zering, Extension Economist
2:20 p.m. "Forage Legumes-Good for Cows & the Crops Grown with Them" Mr. Jim Cropper, Executive Director, N. East Pasture Consortium
3:00 p.m. “What is Manure Worth in Today’s Economic Climate” Dr. Geoff Benson, Extension Economist
3:30 p.m. Adjourn

* The Tuesday afternoon session qualifies for re-certification credits for animal waste management.
Registration Information for the 58th Annual NC Dairy Conference
Dairy Organization Meetings and Dairy Industry Trade Show

February 23-24, 2009 - Holiday Inn, Salisbury, NC Exit 75, Interstate 85
Sleeping room reservations for NC Dairy Conference: 704-637-3100

Monday 1:00 - 3:00 p.m: Dairy Foods Safety and Quality Conference  Steele Room
Marybeth Willis, SE Regional FDA Milk Specialist will participate in the Conference.
Topics include Reverse Osmosis System at Milkco, NCSU Pilot Plant Update, Tank Pacification, and NC and US updates on Raw Milk Issues.

Monday 1:30 p.m: ADA of NC/SUDIA Board Meeting  Salisbury Room

Monday 2:00 p.m: NC Dairy Youth Foundation Board Meeting  - Suite 102

Monday 3:00 - 5:00 p.m: NC Dairy Advantage Board Meeting Steele Room

Monday 5:30-6:45 p.m. NC Dairy Industry Supper Jackson and Overman Rooms
Comments from: Mr. Matt Lange, Dairy Development Coordinator for NC.
Open to dairy producers and others with interest in the NC dairy industry (head count needed).

Monday 7:00 p.m. NC Dairy Producers Association 14th Annual Meeting  Steele Room

Tuesday 8:30 a.m. - 3:30 p.m: Fifty-Eighth (58th) Annual NC Dairy Conference
The Dairy Conference includes the Marvin Senger and milk quality awards, a presentation about monitoring and controlling BVD in dairy cattle, updates on the Dairy Youth Foundation and ADA of NC/SUDIA. There will be a buffet luncheon, an industry trade show with ice cream and milk.

The theme of the afternoon program is “Managing energy, nutrients, and money.”
**This session qualifies for re-certification credits for animal waste management.**

Pre-registration (lower fees) due by Monday, February 16th
Questions: Steve_Washburn@ncsu.edu  or call 919-515-7726

Make checks payable to: NC Dairy Producers Association.
Mail to:  Dr. Steve Washburn  NC Dairy Conference
        Box 7621, NCSU Animal Science, Raleigh, NC 27695-7621

Name(s):______________________________________________________________

Address________________________________________________________________E-mail:__________________________________________

City:__________________   State:___  Zip:___________  Telephone: __________________

Options:
____ $20 pre or $30 on site: Dairy Foods Safety and Quality Conference Feb 23rd with supper.
____ $25 pre (NCPDA Members) or $35 on site: NC Dairy Conference Feb 23-24 supper/lunch
____ $35 pre (non members) or $45 on site: NC Dairy Conference Feb 23-24 supper/lunch
____ $50 Membership in NC Dairy Producers Association

Total $ Amount Enclosed: __________  Check Number: _______  Date: _____________
**NCSU Extension Dairy Specialists**

Dr. Geoff Benson - 919/515-5184  
dairy farm management, marketing & policy  
Dr. Brinton Hopkins - 919/515-7592  
nutrition, replacements, 4-H/Youth  
Dr. Steve Washburn - 919/515-7726  
reproduction and farm systems  
Dr. Lon Whitlow - 919/515-7602  
nutrition & feeding management

**NCSU Dairy Extension Web Site**

http://www.cals.ncsu.edu/an_sci/extension/dairy/Dairyh-1.htm

**Specialized Area Ext. Agents**

Home county listed after phone number)  
Marti Day – 919-542-8202 – Chatham  
Elizabeth Moretz – 336-679-2061 – Yadkin  
Lara Worden - 704-922-2118 – Gaston

**Dairy Advantage Program**

**Participating County Ext. Agents**

Jeff Bradley – 828/255-5522 - Buncombe  
Roger Cobb - 336/570-6740 - Alamance  
Brad Johnson – 704/633-0571 - Rowan  
Tony McGaha – 828/456-3575 - Haywood  
Carl Mc Knight – 336/242-2082 - Davidson  
Carl Pless - 704/920-3310 - Cabarrus  
Ken Vaughn – 704/878-3165 – Iredell

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