



By Julie Berry

DAIRY RESEARCH

This month's The Manager from PRO-DAIRY brings you the latest dairy research

Research Drives the Industry

Management practices continue to evolve in part from on-farm experience, but also from research conducted in the field. This month's The Manager features research conducted by PRO-DAIRY and its collaborators across the industry. PRO-DAIRY's director Tom Overton writes about the impact of stress and inflammation at calving on milk yield and reproductive performance. He also teamed up with Paula Ospina, Jessica McArt and Daryl Nydam at Cornell's Veterinary College to evaluate the impact of subclinical ketosis and cost effectiveness of propylene glycol treatments. Jackson Wright, with PRO-DAIRY's NWN Dairy, Livestock and Field

Crops Team, evaluates the cost benefits and effective light of LED and T8 fluorescent lighting in an on-farm study. Heather Dann, Kurt Cotanch and Rick Grant of Miner Institute evaluate feeding lower-starch diets to fresh cows and offer strategies for feeding when corn price is high and forage supplies are short. Quality Milk Production Services provides an update on coagulase negative staphylococci, which is emerging as a principal cause of subclinical mastitis on farms where contagious mastitis is well-controlled. PRO-DAIRY's Betsey Howland highlights an opportunity for farmers to engage with the Cornell Dairy Profit Monitor program.

INSIDE

Research Drives The Industry
page 23

Lighting For Increased Milk Production
page 24

Stress and Inflammation Around Calving Can Compromise Milk Yield and Reproductive Performance
page 26

Role of Coagulase-negative staphylococci in Bovine Udder Health
page 28

Feed Lower-Starch Diets to Fresh Cows?
page 30

The Impact of Subclinical Ketosis in Large
page 31

Expensive Corn and Short Forage Supply?
page 34

Management Tool for Change
page 36

Group-Housed Dairy Calf Systems Symposium Registration Open

Understanding Respiratory Challenges and Learning to Win

Initially held in December 2011, this second innovative conference will kick off with an evening session on December 12, 2012 designed specifically for producers who are new to using a group feeding system. The day-long symposium program on December 13 is devoted to understanding the cause of diseases, particularly the effect of environment, and what the impact of changes to that environment through barn ventilation approaches may be.

Three hurdles must be cleared in the first 60 days of a calf's life to arrive at the other end of the replacement enterprise as a fully productive first lactation cow. Producers strive to ensure the calf receives enough immune proteins from birth to achieve a steady rate of gain, thereby helping them to fight environmental changes associated with group-housing and feeding systems.

Conference attendees will hear first-hand stories of

measured results of on-farm innovations and have the opportunity to build and maintain a communication network among the growing number of users of these varied group-calf systems.

Further information, including a detailed agenda and registration information are at www.ansci.cornell.edu/prodairy/calfsystems. Contact Heather Darrow, Conference Coordinator, at (607) 255-4478 or hh96@cornell.edu. Early registration deadline is November 15, 2012.

FYI

■ **Julie Berry** is the communications manager and editor of The Manager for PRO-DAIRY. Reach her at 315.232.2771. Email: jrb7@cornell.edu. Sign up for PRO-DAIRY's monthly e-leader newsletter at <http://www.ansci.cornell.edu/prodairy/>.

The Manager, a special section prepared by PRO-DAIRY specialists, is sponsored by Pfizer Animal Health and appears in *Eastern DairyBusiness* four times a year. In keeping with the PRO-DAIRY mission, The Manager helps strengthen the management skills of dairy producers and increase the profitability of the dairy industry. PRO-DAIRY, an educational program begun in 1988, is a joint venture of the New York State Department of Agriculture and Markets, Cornell University's College of Agriculture and Life Sciences, and Northeast agriservice organizations. For reprints of PRO-DAIRY's The Manager, contact Heather Howland, 272 Morrison Hall, Cornell University, Ithaca, NY 14853. Phone: 607.255.4478 Email: hh96@cornell.edu