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Registration fee covers workshop, materials and lunch. To register, scan the QR code, visit www.pdpw.org or call 800-947-7379.

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2023 Herdsperson Workshop

MAXIMIZE YOUR EFFICIENCIES IN REPRODUCTION

WEDS, OCT. 11, ARLINGTON, WI
THUR, OCT. 12, MARSHFIELD, WI

Program to be translated simultaneously into Spanish

Wednesday, October 11 | **Arlington Research Station; N695 Hopkins Road, Arlington, WI 53911**
Thursday, October 12 | **Mid-State Technical College; 2600 West Fifth Street, Marshfield, WI 54449**

2023 Herdsperson Workshop

9:30 am **Registration** | 10:00 **Hands-on labs begin** | 1:00 pm **Lunch** | 1:30 **Farm tour** | 4:00 **Workshop concludes**

Program to be translated simultaneously into Spanish.

Unlock high fertility ... *Megan Lauber, Dr. Paul Fricke*

Get an inside look at what's happening in the reproductive tract in this hands-on exploration of reproductive anatomy, physiology and endocrinology. Hear the inside scoop on the "High Fertility Cycle," the relationship between the periparturient change in dairy cow body condition scores and correlating reproductive outcomes. This session will bring to life the critical aspects of transition cow management and reproduction for high producing herds to achieve high pregnancy rates.

Make the most of cow-side care ... *Dr. Jerry Gaska*

Sharpen your testing techniques and aptitude while discovering how and why you may want to incorporate laboratory-qualified pregnancy testing into your herd's reproductive program. You'll also learn how to properly read and record results. Verified farm data and case studies will showcase:

- Pros and cons of lab testing versus palpation or ultrasound
- Provider types and available laboratory-pregnancy tests
- Proper techniques for sample collection and handling
- Tips to record and manage test results in herd management software

Optimize liver metabolism and production

... Dr. Usman Arshad, Dr. Heather White

Arguably, the transition to lactation period gives rise to the potential for more metabolic challenges than any other time frame. Understanding the physiology of this phase and its effects on liver metabolism, productive performance and wellbeing later in her life is critical to optimal management. In this session, we'll compare examples of cows with greater transition-period risk factors, and we'll look at the prospective impacts on production and health.

Scan the QR code for more information in Spanish and access to the translated flier.

AFTERNOON FARM TOUR

In the afternoon, we'll take the classroom to the farm. While we chat one on one with an area dairy farmer, we'll apply concepts and discoveries gleaned from the morning segments.

Learn how these producers leverage technology and other tools on their dairy to optimize cow health, reproductive progress and cow comfort while simultaneously maintaining a strong, functional team. Come with questions to learn how their successes can become yours.

OCTOBER 11

Maier Farms is a multi-generational dairy farm with a commitment to producing high quality milk. The Maier family has invested in their animals and facilities as well as their people, focusing on developing team members to their full potential. The farm recently expanded to capture efficiencies for their dairy business and hopes to continue to strengthen the positive impacts of agriculture in the surrounding communities.

OCTOBER 12

Norm-E-Lane Farm consists of 2,400 milk cows and more than 2,100 head of dairy replacement heifers. Cows are milked 3 times a day and housed in open free-stall barns built for maximum cow comfort and health. With their totally computerized milking system, the weight and quality of each cow's milk is recorded to ensure maximum cow health and milk quality.

Presenters

Dr. Usman Arshad, PhD, received his DVM degree from the University of Veterinary and Animal Sciences (UVAS), Lahore, Pakistan. Usman completed his masters from UVAS and Ph.D. from the University of Florida with a major concentration in dairy cattle nutrition. A post-doctoral research associate, Dr. Arshad is interested in transition-cow management and exploring molecular and cellular pathways related to hepatic-tissue metabolism, fatty liver and feed efficiency in dairy cows.

Dr. Paul M. Fricke, PhD, was raised on his family's row crop and dairy farm in Nebraska where his family continues to farm today. After receiving a B.S. degree in animal science from the University of Nebraska-Lincoln, he completed his masters in and Ph.D. in Reproductive Physiology from the Department of Animal Sciences at North Dakota State University. His current position in the UW-Madison Department of Animal & Dairy Sciences includes 70% extension and 30% research appointments in dairy cattle reproduction.

Dr. Jerry Gaska, DVM, received his DVM degree from the UW-Madison - School of Veterinary Medicine in 1989. He started his own practice on his family's farm near Columbus, Wis., in 1993, providing health and management services to progressive dairies. Cooperating with other veterinary clinics, he served dairy clients in the Dodge County area. After managing a large Dodge County dairy farm from 2011 to 2018 he transitioned to providing consulting services to dairy cattle and heifer-raising clients along with on-farm food-animal veterinary care.

Megan Lauber grew up on her family's cash crop and dairy farm in Union Grove, Wis. After earning a B.S. degree in dairy science from the UW-Madison, she completed a M.S. degree in Dr. Paul Fricke's lab in the Department of Animal and Dairy Sciences. A PhD candidate, her research focuses on integrating basic physiology, economics and management practices to optimize sexed-semen fertility and use in dairy herds.

Dr. Heather White, PhD, is a professor at UW-Madison in dairy cattle nutritional physiology. Her research focuses on the health and nutrition of dairy cows during the transition period and is centered on hepatic and whole-animal nutrient partitioning and metabolism. Notably, her research strives to determine the mechanisms of nutrient partitioning, feed efficiency, and metabolic health to provide science-based solutions and interventions to improve dairy cow health and productivity. Additionally, Dr. White is faculty director of the Dairy Innovation Hub that spans Universities of Wisconsin-Madison, -Platteville and -River Falls and focuses on dairy related research that can improve animal health and welfare, enhance human nutrition, steward land and water resources, and grow farm businesses and communities.