



Professional Dairy Producers®
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Nutrient Innovation & Dairy Technology Tours

November 9 & 10, 2016

All Aboard!

Hear directly from dairy owners and managers.
See first-hand water purification, manure and
sand separation, nutrient capture systems,
methane digesters, rotary parlors, soil
mapping, recycled bedding methods,
and state-of-the-art technologies.



Nutrient Innovation & Dairy Technology Tours • November 9 & 10

Name _____
Business/Farm Name _____
Address _____
City _____ State _____ ZIP _____
Phone (with area code) _____
Email _____

Registration fee covers tours, refreshments and lunch.
Member Registration Rate: \$60/person for one day; \$120/person for both days
Non-Member Registration Rate: \$100/person for one day; \$200/person for both days

Participant Names	Day Attending	Member		Non-Member	
		1 day \$60	2 days \$120	1 day \$100	2 days \$200
_____	<input type="checkbox"/> Nov. 9 <input type="checkbox"/> Nov. 10	\$ _____	\$ _____	\$ _____	\$ _____
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TOTAL		\$ _____	\$ _____	\$ _____	\$ _____

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If paying by check, make payable to PDPW.
Mail completed form to:
PDPW
820 N. Main St., Suite D
Juneau, WI 53039
Register online at www.pdpw.org
or call 800-947-7379



Nutrient Innovation & Dairy Technology TOURS

NOVEMBER 9 & 10, 2016

Two Days
Six Dairy Tours
Infinite Learning Opportunities

This tour is for fellow dairy farmers and other industry professionals
seeking the latest nutrient innovations and dairy technologies.
PDPW will take care of tour details while you sit back, relax and take it all in.

Follow the path to innovation

*CEUs available. See inside for details



Professional
Dairy Producers®

Details at www.pdpw.org
Register today – to save a seat on the bus

Nutrient Innovation & Dairy Technology Tours

Sign up now for one or two days of tours featuring stops at six state-of-the-art dairies!

BOARD BUS EACH DAY AT:

Fox Valley Technical College
1200 East Chestnut Street (Hwy. 57) • Chilton, WI
Board and depart – 9:00 a.m. • Return on bus – 4:30 p.m.

November 9

Robinway Dairy LLC, Kiel
Majestic Crossing Dairy, Sheboygan Falls
Holsum Elm Dairy, Hilbert

November 10

Brickstead Dairy, Greenleaf
Pagel's Ponderosa Dairy, Kewaunee
Kinnard Dairy, Casco

Wednesday, November 9, 2016

Robinway Dairy LLC is owned by Jay and Pam Binversie. Located outside of School Hill, Wis., this dairy is currently expanding their business while simultaneously taking great strides in reducing their environmental footprint. Under the care of 25 employees, 1,550 dairy cows are milked daily and another 700 steers are raised right on site. Annually, Robinway Dairy works 1,400 acres of cropland and irrigates 600 acres.

In 2015, Robinway Dairy installed a Livestock Water Recycling System that separates liquids from solids and then further separates it using reverse

osmosis to make clean water for irrigation. This system helps to recapture more nutrients from the liquid, optimize the dairy's manure storage capacity and more thoroughly separate solids from liquid.

Majestic Crossing Dairy, near Sheboygan Falls, Wis. is a story of four families coming together. All from Sheboygan County, the Strauss, Herzog, Wedepohl and Radloff families formed Majestic Crossing Dairy in 2011. Presently they milk 2,000 cows on two separate facilities about four miles apart and operate 3,400 acres. Since 2004 they've utilized crossbreeding and have an advanced line of ProCross genetics.

Majestic Crossing Dairy relies on a new manure separation technology that concentrates the nutrients and separates most of the liquids from the solids. The goal of their system – 'Digested Organics' – is to harvest energy, capture nutrients and reclaim water. Gather meaningful insight on the technology as the Strauss team shares details about how the system works, bottlenecks they've worked through and what they've learned about water reclamation and regulatory processes.



Holsum Elm Dairy LLC, Hilbert Wis., consists of two modern dairies, Irish Dairy and Elm Dairy, and a large calf facility. Holsum Dairies received the US Dairy Sustainability Award and IDFA's Innovative Dairy Farmer of the Year honors in 2016. The partners in this business are Kenn Buelow and Dr. Bob Nagel.



While here, get a glimpse of innovation and environmental management that's unparalleled. Holsum Elm

Dairy focuses on minimizing groundwater usage, energy efficiency and protecting groundwater and air quality while reducing waste.

The tour will focus on the newer dairy, Holsum Elm Dairy. This facility opened in 2006. It uses an 80-stall rotary parlor to milk 3,600 cows three times daily. Including dry cows, 4,400 cows live at Holsum Elm Dairy and supply nutrients to the two mixed plug flow digesters. The digesters have a generating capacity of 1.2 kilowatts, and solids recovered from the digested manure go through a new fluid bed dryer to produce quality recycled cattle bedding.

Thursday, November 10, 2016

Brickstead Dairy, owned and managed by Dan Brick, has been in operation continuously since the mid-1800s. Dan who is the fifth generation, is working with both federal and state government as a demonstration farm for the Great Lakes Initiative. During this tour we'll learn about the new information gathered through the water quality study, gain insight on surface water management, cover crops, manure application data in regard to timing, technique and application options as well as what they've learned about alternative tillage. The Great Lakes Initiative is patterned after Discovery Farms' research and yielding great learnings on innovative manure application practices like low-disturbance manure incorporation and surface applications.

As a CAFO operation, Bricks are pioneering and testing new ways to approach nutrient application. Their study includes cover crops – species, rates and seeding methods – and allows the dairy to transition to incorporating some no-till into their operation.



Pagel's Ponderosa Dairy is owned by the John Pagel and family of Kewaunee Wis. At every turn you will learn from the John Pagel family about leading-edge technology. Since its inception in 1946, Pagel's Ponderosa Dairy has grown in steps to its current size of 8,500 crop acres and milking 5,300 cows. Today, they house their crossbred herd in tunnel-ventilated free-stall barns, and milk in a rotary parlor.



The farm's methane digester produces enough electricity for the city of

Kewaunee. From the digester, the dairy also presses and dries enough bio-solids to bed their entire milking herd and young livestock. The farm is permitted to apply nutrients through manure irrigation.

Presently, the Pagels actively measure soil depth on their farm and allow for on-farm studies to help the industry better manage nutrients on shallow and diverse soil depths. Learn about what's new with nutrient recovery and see the very systems that may serve as prototypes for managing in the future.

Carrying on the tradition of dairy farming in an area that was originally settled by their ancestors 5 generations ago, **Kinnard Farms** currently milks 6,000 cows on two sites near Casco, Wis.



In 2015, Kinnard family added a new state of the art rotary parlor and cross vent barn, their second sand recycling facility, as well as new feed and manure storage on a green site located within one half mile of their home farm. View and tour their new facilities and see their amazing calving and critical care unit.

Gather insight into how the team at Kinnard Farms has invested heavily in manure-application technology to precisely recycle nutrients on over 10,000 acres of farmland. Learn more about low disturbance application of manure into cover crop. Take this opportunity to tour the state of the art sand-recycling facility, which successfully reclaims and washes bedding sand; all without the addition of any fresh water. In addition, tour participants will have the opportunity to see the first of its kind sand dryer in operation. Learn from the Kinnard family's many new and innovative manure handling technologies, and gather insight into their soil health initiative.

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