

Wednesday, July 13, 2022		PA Act 49 Hauler/Broker and Act 38 NMP CECs	PA Odor Management Planner CECs	Illinois & Wisconsin Hauler Credits	Michigan Hauler Credits	CCA	Session description	Speakers	University or Company
Buses loads at Expo site (WUST ride bus)	Staggered departure times for 3.5 hour tour atrring at 8:00. <b>Robotic Dairy and Herbruck's Layer Tour.</b> REGISTRATION RESERVES SEAT (\$22.85 AT <a href="https://www.manureexpo.ca/tours/">https://www.manureexpo.ca/tours/</a> ) 8:30-12:00.	3.5	3.5	3.0	3.0	1.0 Nutrient Mgmt 1.0 Crop 0.5 Prof Develop	Visit a new dairy farm system that robotically milks cows, delivers feed, and collects manure. The tour then moves to Herbruck's new layer facility. The site is under construction and will not be populated until September 2022, o biosecurity risk is minimized. See production, manure, and egg processing facilities.	Producers	Oakleigh Dairy <a href="#">Herbruck's Poultry Ranch</a>
	<b>Stream Tour.</b> REGISTRATION RESERVES SEAT (\$22.85 AT <a href="https://www.manureexpo.ca/tours/">https://www.manureexpo.ca/tours/</a> )	3.5	none	3.5	3.5	2.0 CEU Soil & Water 0.5 Prof Develop	Visit two stream locations and learn how to assess stream health. See stream restoration BMPs at one site in an agricultural area and then view differences in stream characteristics at a mountainside headwater location.	Penn State Water Extension Team	Penn State Extension
	2:00-4:00. <b>Agitation Demonstration</b>	2.0	2.0	2.0	2.0	1.0 Nutrient Mgmt	Participating vendors will demonstrate their latest technologies of agitation equipment at a local dairy. Over-the-wall and boat demonstrations expected. Some gas safety reminders will be reviewed on site.	Vendors	Participating Vendors
Tent 1 or 2	Tent 1, 5:00-7:00. <b>Puck Pump School</b>	2.0	none	none	none	1.0 Nutrient Mgmt 0.5 Soil & Water 0.5 Crop	The Puck Team will demonstrate the many capabilities and possibilities of Lightspeed to gain performance efficiencies. We will also discuss the roles and responsibilities of team members to increase crew efficiencies.	Puck Representatives	Puck
	Tent 2, 5:00-7:00. <b>Dairy Power Smart Manure Aeration Systems</b>	2.0	2.0	none	none	1.0 Nutrient Mgmt	Dairy Power Team will use data to demonstrate that aeration of manure reduces emissions, decreases carbon footprint, and has health benefits for workers and animals.	Dairy Power Representatives	Dairy Power
Thursday, July 14, 2022		PA Act 49 Hauler/Broker and Act 38 NMP CECs	PA Odor Management Planner CECs	Illinois & Wisconsin Hauler Credits	Michigan Hauler Credits	CCA	Session description	Speakers	University or Company
Tent 1	Tent 1, 8:00-8:30. <b>Manure Injection of Digestate</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Evaluating liquid digestate injection vs. surface application for NH3-N conservation and corn yield response.	Sailesh Sigdel	Pennsylvania State University
	Tent 1, 8:30-9:00. <b>Injecting Manure into Cover Crops</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	If cover crops are already planted and growing on your field, can you still get liquid manure or slurry applied? This presentation will cover research in Minnesota where manure was injected below the cover crop and how the combined practices affected the following corn crop.	Melissa Wilson	University of Minnesota
	Tent 1, 9:00-9:30. <b>Injection &amp; Drag Hose Corn Side-dressing</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Applying liquid manure to corn, to replace purchased side-dress nitrogen, captures the true value of the manure nutrients and keeps more of the nutrients in the field. The nitrogen savings can pay for the manure application.	Glen Arnold	Ohio State University Extension
Tent 2	Tent 2, 8:00-8:30. <b>Can we generate better as-applied maps to document manure applications?</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	We developed software to create detailed as-applied maps from GPS coordinates and scale weights or flow meter readings. The software can sum applications for multiple passes of material made to a specific area of a field and accurately reflect the different rates per acre for material applied on the inside versus the outsides of turns.	Richard Meinert	University of Connecticut
	Tent 2, 8:30-9:00. <b>Economic considerations for the development of a decision support tool for manure management systems</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	We developed a tool that tracks the environmental and economic impacts of technologies and systems available to dairy farmers. Results can be used by farmers to assist in their decision-making in addressing options for improved manure management.	Varma Vempalli	University of Arkansas
	Tent 2, 9:00-9:30. <b>Manure Management at Herbruck's New Blue Springs Layer Farm in Mercersburg, PA</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Our presentation will be focused on the technology and innovation we employ to convert our hen's litter into a nutrition-rich fertilizer product. In addition to a significant reduction in resources used to produce the product, it also helps to complete the organic cycle that is part of our overall sustainability plan.	Vince Herbruck Ric Herrera Jered Birkbeck Russell Phenicie	Herbruck's Herbruck's Herbruck's Herbruck's
Tent 3	Tent 3, 8:00-8:30. <b>Precision Agriculture and Variable Rate Manure Application at Leshar Poultry Farm</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	The use of current technology and innovative practices to improve soil health and increase crop yields at Leshar Poultry Farms.	Leslie J. Bowman	Leshar's Poultry Farm, Inc.
	Tent 3, 8:30-9:00. <b>Weed Seeds in Manure</b>	0.5	none	0.5	0.5	0.5 Crop	Weed seeds in manure can wreak havoc in your field once that manure is spread. Fortunately, there are several methods that reduce weed seed viability both before and after animal digestion. In this presentation we'll take a look at a few studies that show what works and what doesn't for weed seed destruction.	Chryseis Modderman Stephanie Kulesza	University of Minnesota North Carolina State University
	Tent 3, 9:00-9:30. <b>How we run our manure service in Indiana</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	From sand-laiden dairy to watered down hog lagoons we pump it all! We will talk about how we deal with sand in tankers, high application rates for lagoon water, and everything in-between.	Rob Buitter	Fastrack Fertilizer
Tent 4	Tent 4, 8:00-8:30. <b>Investing in Soil Health and Manure</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Soil health is one of the most important topics in modern agriculture, and manure management is a critical spoke in the soil health wheel. This session will cover the key properties of your soil and how investing in manure management and soil health will impact your bottom line and the future of your farm.	Nick Hepfl	Clearfield County Conservation District
	Tent 4, 8:30-9:00. <b>Calculating the Economic &amp; Environmental Benefits of Low Disturbance Manure Injection (LDI)</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Fertilizer economics are a big part of injection decisions. So are environmental & regulatory outcomes. The PA4R Nutrient Stewardship Alliance will share farm data calculating the economic and environmental benefits of LDI.	Eric Rosenbaum	Pennsylvania 4R Alliance
	Tent 4, 9:00-9:30. <b>Variable Rate Manure Applications -- Are You Ready</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Whether your using VR technology to manage application setbacks or managing yield zones with variable application rates, the PA4R Alliance, along with Granular, will show you the steps for creating a VR manure script.	Eric Rosenbaum	Pennsylvania 4R Alliance
Field	10:30-12:00 <b>Solid Manure Application Demonstrations</b>	1.5	none	1.5	1.5	0.5 Nutrient Mgmt 0.5 Prof Develop	Participating vendors will demonstrate their latest technologies of solid manure application on the Expo grounds. NO POULTRY MANURE WILL BE UTILIZED TO MINIMIZE BIOSECURITY RISK. ONLY CATTLE PRODUCTS WILL BE USED.	Vendors	Participating Vendors
Tent 1	Tent 1, 12:30-1:00. <b>Pennsylvania's Commercial Hauler Regulations and Record Keeping Requirements</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Pennsylvania Act 49 Commercial Manure Hauler and Broker record keeping requirements will be reviewed.	Mike Aucoin	Pennsylvania State Conservation Commission
	Tent 1, 1:00-1:30. <b>Food Processing Residual Application in Pennsylvania</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Will present information applicable to entities generating residuals from food processing operations and the available permit exemption [under 25 Pa. Code § 287.101(b)(2)] for processing and disposal of the residuals in the course of normal farming operations through implementation of best management practices.	Kevin Beer	Pennsylvania Department of Environmental Protection
	Tent 1, 1:30-2:00. <b>The Importance of Manure Application Setbacks for Protecting Private Drinking Water Resources</b>	0.5	none	0.5	0.5	0.5 Nutrient Mgmt	Following setbacks are especially important for preventing manure contamination in wells and springs. This session will focus on what groundwater is, how it moves, how contamination can happen, and how we can keep our drinking water resources clean.	Danielle Rhea Susan Boser Andy Yench	Penn State
Field	2:00-3:30. <b>Liquid Manure Application Demonstrations</b>	1.5	none	1.5	1.5	0.5 Nutrient Mgmt 0.5 Prof Develop	Participating vendors will demonstrate their latest technologies of liquid manure application on the Expo grounds. NO POULTRY MANURE WILL BE UTILIZED TO MINIMIZE BIOSECURITY RISK. ONLY CATTLE PRODUCTS WILL BE USED.	Vendors	Participating Vendors
	Start time will be immediately after Liquid Application Demos, estimated session time is 3:30-4:00. <b>Live Action Manure Spill Response Demonstration</b>	0.5	none	0.5	0.5	0.5 Soil & Water	Accidental manure spills happen. This live action field demonstration of simple, effective techniques will prepare you and your employees to take the right steps to contain and clean up a manure spill, and reduce your chances of being the lead story on the local TV news.	Kevin Erb Robb Meinen	University of Wisconsin Extension Penn State