

## Advanced Biosecurity Research and Practical Application in the Hog Industry August 15, 2016

OENano East, a multi-surface protection, disinfectant, and water remediation product distributor, was recently showcased at the 43<sup>rd</sup> Annual Ontario Pork Congress on June 22 and 23 in Stratford, Ontario.

The company's interactive exhibit booth received positive attention from attending hog producers, veterinarians, swine organizations and other hog industry stakeholders.

On hand at the OENano exhibit were company and partner representatives, as well as representatives from Ontario Pork, Penner Farm Services and Clancy Marketing.

The most common concern expressed by participants during the event regarded biosecurity, with the PEDv epidemic top-of-mind for many hog producers. Discussions highlighted the need for a more consistent and dynamic approach to address biosecurity in the hog industry and other agricultural sectors. To this end, OENano's new and improved approach takes into account both animal and human safety by substituting certain products and procedures that can be harmful with regular usage.

OENano will soon be able to provide new and improved biosecurity protocols for cleaning and disinfecting, as well as validate the industry-leading nanotechnology surface coatings. Coatings that create a very strong 3-dimensional molecular bond with a surface that translate into much longer and effective lifespans for the coating and reduced costs to the farm operation. This type of improvement in biosecurity protocols, along with others, will reduce the risk of transmission of PEDv and other pathogens through the creation of easy-to-clean surfaces that will drastically reduce labour costs, time in cleaning, and water consumption.

OENano is introducing specific SOPs (Standard Operating Procedures) for its products for all of these areas to ensure complete biosecurity and environmental responsibility.

The basic biosecurity program would be to:

- Apply our industry-specific detergent for universal use with hot or warm water and spray apply to all surfaces, wait 10 minutes, and then rinse off.
- Next, use our disinfectant to properly disinfect all surfaces including equipment – spray on, wait 3 minutes and rinse.
- Lastly, use our pipe cleaner detergent to clean pumps and hoses where low foam detergency is required. Our detergents have enzymes to break down soil and protein and are biodegradable in 28 days.

Visit OENano's website for further updates and news releases at [www.oenano.com](http://www.oenano.com)



### Upcoming Testing:

In July/August:

Nano-coat treated and untreated test panels of carbon steel, stainless steel and aluminum have been mounted in a hog transport truck supplied by Warner Truck Wash. The differences in cleanliness and washability will be tested in real life situations.



In August:

Collaborating with the Prairie Swine Centre in Saskatoon to investigate the use of new disinfectants.



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