

June 1st, 2016

**OENano East**, a nano-coating, disinfectant, and water remediation product distributor, was recently awarded *Growing Forward 2* funding for the amount of \$145,652. With this funding, OENano will conduct research over the next year into the development of a practical application program, focusing on improving biosecurity protocols in the **Hog Transportation Industry**.

Ontario pork producers have been faced with no fewer than 88 distinct cases of the porcine epidemic diarrhea virus (PEDv) since 2014.

The containment and elimination of PEDv is of the upmost importance for Ontario pork producers. Currently the process of transport is an important risk factor for pathogen entry into swine farms through the contact of hogs with contaminated transport vehicles. The industry is greatly concerned for cross border contamination, as the epidemic in the US equals about half of their swineherd.

There is still much more the industry could be doing to aid itself in the eradication of this terrible virus both on the farm and in the transportation of livestock, and not hurt the farmer financially.

OENano will be able to provide new and improved biosecurity protocols for cleaning and disinfecting as well as validate the industry-leading nanotechnology surface coatings. The improvements in biosecurity protocols will reduce the risk of transmission of PEDv and other pathogens via transport vehicles through the creation of easy-to-clean surfaces that will drastically reduce labour costs, time in cleaning, and water consumption.

With the assistance of Wooden Ladder Consulting's laboratory testing, we will create benchmarks for our SIGMAtek, Bacoban and Puretek product lines which will help industry measure their efficiency and duration against everyday conditions in the biosecurity vehicle wash bay and hog environments. These products will also be tested against current products being used in the current biosecurity protocols.

Clearly, being able to confirm the effectiveness and life span of these products is of great importance, not only from a prevention stand point, but also an economic one that will benefit the hog industry and be expandable into other agricultural sectors.

OENano would like to thank the Ontario Pork Industry Council who will be offering them insight into current biosecurity protocols and keeping them aware of ongoing challenges related to PEDv. We would also like to thank Clancy Marketing, PAMI, Penner Farm Service, Dr. Sue Burlatschenko and MFS Technologies Ltd. for their assistance in obtaining the *Growing Forward 2* funding.

Finally, without the assistance of *Growing Forward 2*, the ACC, the province of Ontario and the Federal government, this important advancement in biosecurity research and practical application knowledge would not be possible.

Check our website for further updates and news releases at [www.oenano.com](http://www.oenano.com)



## Upcoming Events:

43<sup>rd</sup> Ontario Pork Congress

June 22 & 23, 2016

Stratford, Ontario

See our new biosecurity mobile test lab, watch live application demonstrations and meet some of the project partners.



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