

GOgen improves gain and feed efficiency at pig farm



Crop	Unit type	Drinking water	Results
Livestock - pigs	GOgen A2000	7,200 gallons	<ul style="list-style-type: none"> 💧 Average daily gain improved by up to 20 % 💧 Feed efficiency improved by up to 10% 💧 15 lbs higher weight per pig

The customer

2,400-head, double-wide finishing pig farm in Iowa, USA

Pete Matthews runs a 2,400-head, double-wide finishing pig farm in Iowa, with a daily water consumption of up to 7,200 gallons. Typically, the pigs drink 3,000 gallons of water in total per day, although on some days this amount increases to 4,000 gallons.



Water is an important resource at pig farms, essential in promoting animal health. Keeping water clean ensures that the animals drink sufficient amounts to keep them healthy.

Water at a livestock farm can also be a host for diseases, which not only negatively impact animal health, but also decrease pigs' willingness to eat and drink. Buildup of biofilm in the drinking water system is a major contributor to growth of bacteria and other pathogens, and it can also lead to clogged drinking outlets, causing reduced water consumption and feed intake.

Conversely, drinking healthy water not only leads to overall improved well-being for the animals, it also contributes to higher yields. Drinking plenty of water also improves feed efficiency which can reduce the feed required to achieve slaughter weight.

The problem and solution

Improving animal health and yield with GOgen

An GOgen A2000 system was installed at Pete Matthew's farm and its efficacy for livestock drinking water treatment quickly became apparent.

The overall objective of installing the GOgen was to improve productivity and reduce losses, ensuring that all pigs remain healthy and go to market with a profitable weight.

To this end, the GOgen A2000 is treating up to 7,200 gallons of drinking water daily with Peroxide UltraPure. Following a cycle of pigs at the farm, data was accumulated to demonstrate a beneficial connection between the use of GOgen and overall pig health and profitability.

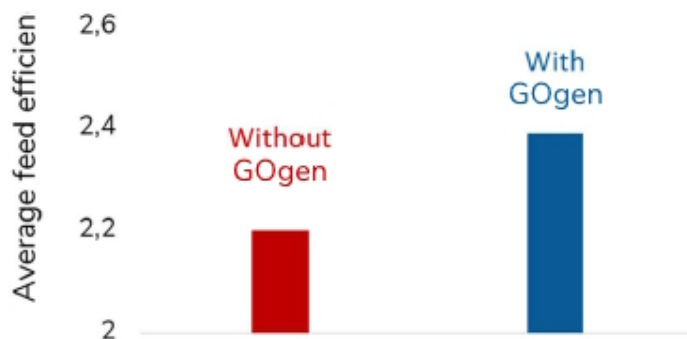
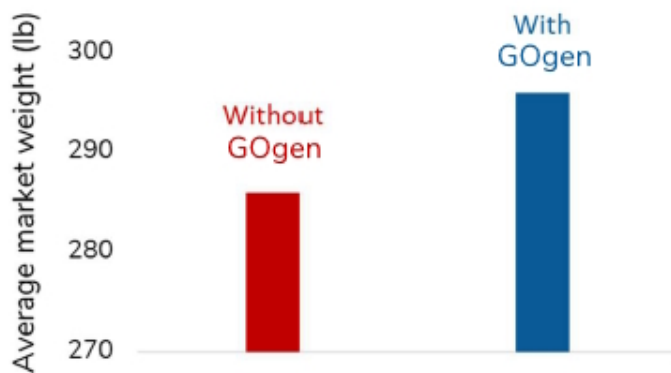


Pete Matthews, owner of the pig farm, posing next to HPNow's GOgen A2000 system

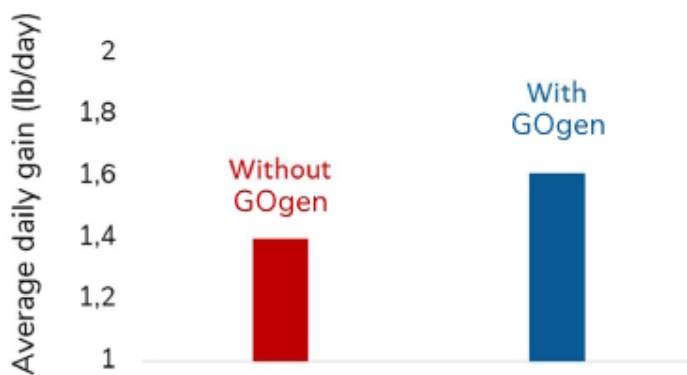
GOgen systems generate a safe concentration of Peroxide UltraPure™, a very high purity solution of hydrogen peroxide, free of additives and stabilizers. Peroxide UltraPure™ is then dosed into the livestock drinking water system, where it ensures the water is clean and safe for the animals to drink. Since, unlike chlorine, hydrogen peroxide doesn't have an adverse taste, this entices the animals to drink more, and in turn, eat more.

Drinking enough water is especially important in the early stages, as Pete explains: "You get them in there, making sure the barn is at the right temperature, making sure they get the right feed and drinking water. If you get them going those first few days, and it's a good, healthy pig to begin with, then it's pretty easy sailing after those first two weeks."

GOgen increases average weight by 10 lb



GOgen increases average daily gain by 15 %



After a six months cycle of introducing Peroxide UltraPure™ in the pig drinking water, data from the farm showed the following results:

- Pigs are heavier by 10 lbs higher per pig on average
- Feed efficiency also improved by 5-10%
- Average daily gain is improved by 15 %

These represent a strong positive economical impact for the operation, as pigs grow faster and with less food consumption – which means they can be brought to market up to 2 weeks faster with Peroxide UltraPure™.

Pete Matthews comments:

Things are going much better after implementing Peroxide UltraPure™ in terms of health. I really do think that it has increased the overall health. I've got healthier pigs without the typical flu problems that I have had in the past. The pigs are eating better, drinking better, and are in much better body condition. Pete Matthews, pig farm owner

GOgen setup

The GOgen was installed to automatically fill a buffer tank with Peroxide UltraPure™. Dosing was done through a proportional dosing pump, which is both simple and effective. The system operates completely autonomously, without need for user intervention. Peroxide UltraPure™ is generated at a concentration of 0.25%, which is very safe and poses no danger to humans, plants or equipment, but is strong enough to effect the desired operational results.

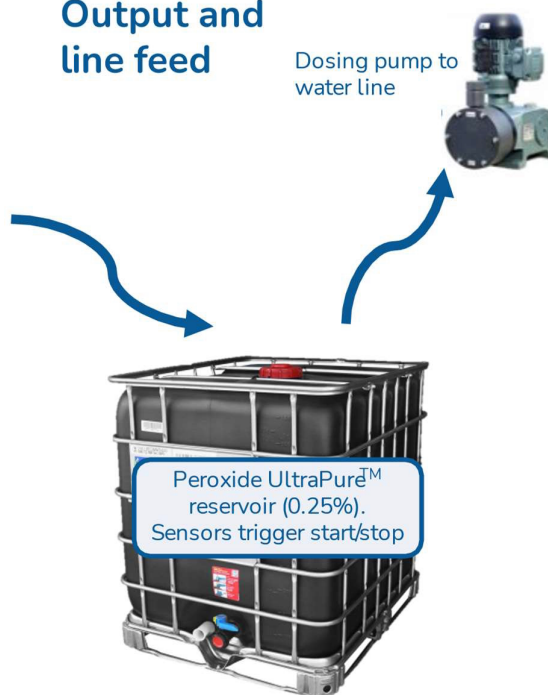
Inputs



GOgen



Output and
line feed



"I've been super impressed with how hands-off the system is," Pete commented. "I've had about four power outages, one outage for about two hours, but the GOgen system continued to work great. It certainly seems to be a hands-off product. I really like it, I think it's a good machine."

Learn more about the GOgen system and its benefits for livestock farms at:
<https://hpn^{ow}.com/applications/agriculture/>

Please contact HPNow's North America Livestock Sales Manager, Jim Bruer (jimb@hpn^{ow}.com), for additional information.

