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# HOG-UPDATE

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## The Benefits of Enzymes in DDGS Premixes

By Peter Vingerhoeds

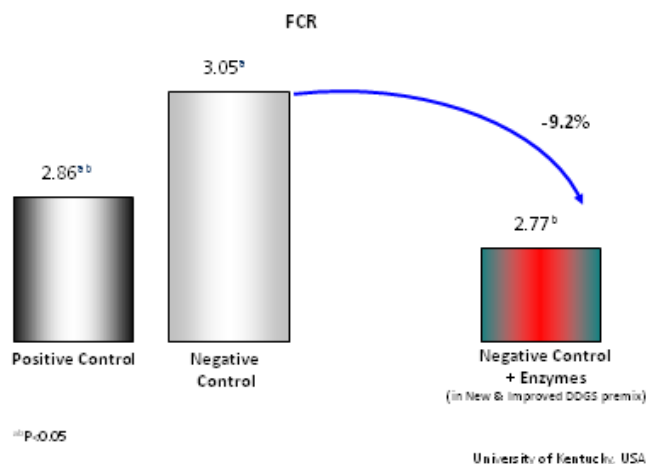
Strong corn prices are now a fact of life. Wherever possible, producers need to search out alternative feed ingredients and new production technologies to trim down feed costs. Enzymes are shown by researchers to improve performance and reduce feed costs.

With the introduction of the newest enzymes into our DDGS line of premixes, more feed ingredients can be included along with DDGS in feed rations. Primarily, these enzymes allow us to attain more digestible energy from alternative products.

Wheat shorts have become an attractive ingredient because there is no need for added fat. Actually, all wheat and grain feed and byproducts are better utilized in ration formulations with the presence of enzymes. Enzymes help to improve the utilization of starch and carbohydrates that were previously tied up in their fibre portions, leading to improved weight gains, improved feed efficiencies, and reduced ration costs.

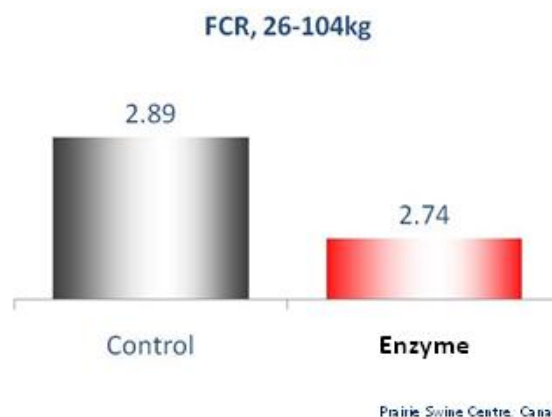
A University of Kentucky study examined rations with 20% inclusion of DDGS: they compared a positive control diet (having 20kg extra choice white grease); a negative control diet; and a negative control diet with added enzymes. Feed conversion ratio (FCR) improved significantly from the positive control diet to the negative control diet with added enzymes – and showed greater than 9% improvement compared to the negative control diet.

Enzymes in combination improve performance and digestibility in pigs fed corn DDGS

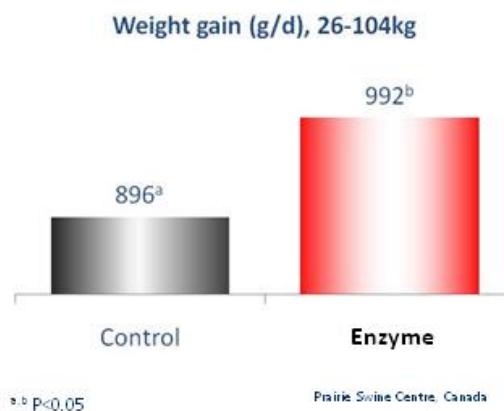


For those of you who are able to include wheat shorts into your diets, the following data from Prairie Swine Centre will be of interest. With enzymes added into the diets with wheat shorts at 200 kg and 400kg from 26-60kg and 60-104kg grow-finisher diets respectively, an improved feed conversion and daily gain was shown.

## Enzymes improve FCR in grower-finisher pigs

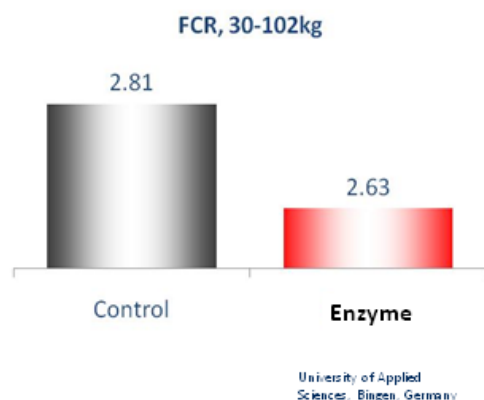


## Enzymes improve weight gain in grower-finisher pigs

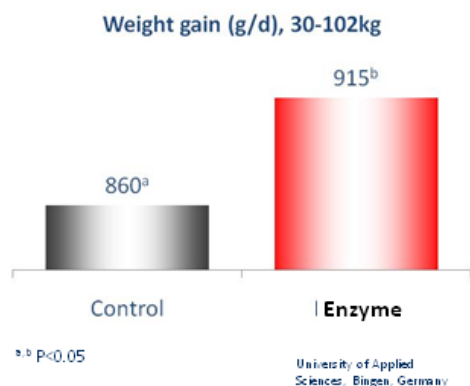


A third study at the University of Applied Sciences in Bingen, Germany, completed trials with and without enzymes, using wheat shorts and DDGS from wheat/barley. Yet again, the inclusion of enzymes showed an improvement in FCR - from 2.81 to 2.63 and a significant increase in average daily gain - from 860 grams to 915 grams.

### Enzymes improves FCR in grower-finisher pigs



### Enzymes improve weight gain in grower-finisher pigs



Two more trials done at University of Nottingham also reported significant improvements in feed conversions and average daily gains with enzymes incorporated into the diets as well as a high level of wheat shorts.

We are very excited to be able to provide our customers with this new technology. It is important to us to help our customers mitigate rising feed costs and to increase the use of alternative ingredients without reducing hog performance or barn through put.

#### Handling Costs

At the 2011 Outdoor Farm Show, 50 metric tonne bins capable of handling DDGS and wheat shorts were priced at \$12,000 and agitators for these bins were \$1600. For more information about these costs, please contact your sales representative.

#### REMINDER:

To be eligible for the 2011 pay out, producers need to be enrolled in the Risk Management Program (RMP) for hogs by October 14, 2011.

There is no premium for 2011 and you can then decide whether to get in for 2012.

Online applications can be made at <http://www.agricorp.com/en-ca/Programs/RMP/Hogs/Pages/Forms.aspx>

If you are enrolled in 2012 and decide to get out, you need to be out for 3 years.

Each year, you can choose your participation level: 80%, 90%, or 100% coverage.

Everyone enrolled in AgriStability will get a package in the mail, or you can pick one up at your local OMAFRA office.

#### 2011 OUTDOOR FARM SHOW DRAW WINNER:

Peter De Boer, Tillsonburg  
**Congratulations!**

**HOG UPDATE** is published in the interest of helping hog producers become more profitable. We welcome your comments.

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