



PORK BRIEFS

The Latest Information
on Swine Nutrition



Is There Anything Cheaper to Feed than Corn?

By: Ken Palen



This is the question pork producers all over Ontario are asking. The answer is not always clear or easy for producers to understand. Does this question mean; is the feedstuff:

- 1) Cheaper per tonne than corn.
- 2) Cheaper per tonne of complete feed after mixing and balancing than corn.
- 3) Cheaper per pig than corn.
- 4) Cheaper per kilogram of meat produced than corn.

Well let's look at some examples, the three example finisher pig diets below are balanced on amino acids (proteins), net energy, and minerals using March 6, 2011 commodity pricing of corn at \$261; DDGS at \$212; wheat shorts at \$200 and SBM at \$400 per tonne.

The first diet is a high energy diet made from corn. The next diet has 200 kg (20%) wheat shorts added and the last diet has 200 kg (20%) DDGS added. Lacta-Fat® was adjusted in all the diets to maintain a similar net energy with the goal of achieving the same feed efficiency after feeding.

	Corn	Wheat Shorts	DDGS
Premix	29	27	24
48% SBM	155	120	120
Wheat Shorts	----	200	----
DDGS	----	----	200
Corn	793	614	648
Lacta-Fat®	23	39	8
Total	1000	1000	1000
Cost/Tonne	\$322	\$315	\$294
Difference/Tonne from Corn Diet	----	Less \$7.00	Less \$28.00

The wheat shorts diet was \$7.00 per tonne cheaper than the corn diet and the DDGS diet \$28.00 per tonne less. Now let's answer some of the original questions using wheat shorts only.

Cont.>>

Inside this Issue

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BENEFITS OF FEEDING LACTA-FAT®

Lacta-Fat® liquid fat has been shown to help provide many nutritional benefits to animals, along with many handling and economic benefits to the producer, here are just a few:

- Increased energy density of sow colostrum and milk
- Greater sow milk yield
- Less weaning shock
- Improved feed conversion
- Improved rate of gain
- Consistent high quality formulation
- Helps produce excellent meat quality
- Improved feed texture and freshness
- Reduces dust levels in the barn

For more information talk to your Kenpal Sales Rep!

Ph: 1-800-265-2904 or 519-228-6444
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1) Are wheat shorts cheaper per tonne than corn?

- Corn \$261/tonne; wheat shorts \$200/tonne
- YES = \$61/tonne less

2) Are wheat shorts cheaper per tonne of complete feed after mixing and balancing the corn?

- YES = \$7.00/tonne less

3) Are wheat shorts cheaper per pig than corn?

This answer is probably Yes, as long as the Lacta-Fat® is added to balance energy. If wheat shorts were just added in place of corn, the energy would be lower therefore the feed conversion higher, therefore the cost/pig higher. Also, a special bin may be required to get the shorts to flow out and if dumping into auger there may be a lot of shrink to consider.

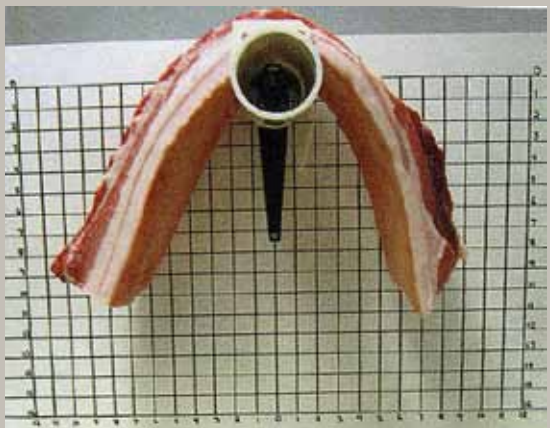
YES = \$7.00/tonne feed ÷ 4 pigs/tonne = potential savings of \$1.75/pig



4) Will feeding Wheat Shorts produce cheaper meat per kilogram?

Again, probably Yes, as long as the mycotoxin levels are low and you limit the amount of wheat shorts added to keep fibre levels down, especially when summer feeding. A lot of grains (wheat & barley) from western Canada were grown in extreme wet conditions and should be checked for mycotoxins. If we have more sickness problems feeding a feedstuffs then feed cost per kilogram of meat could go up. This would be a result of a higher death loss, more barbecue pigs and slower growth.

Cont.>>



Feeding DDGS

There is a lot of confusion about what level of DDGS to feed to finishing pigs. Feeding levels above 200 kg/tonne (20%) push nutrient levels high causing higher ammonia in barns, increased phosphorus and potassium in manure and potential for soft pork as a result of the high corn oil fat levels. Most research says if feeding over 20% DDGS it should be taken out of the last diet so the pork does not get soft. The picture to the left shows droopy bacon that is too soft.

(Source: National Hog Farmer; Dec 15 2010)

Feeding higher DDGS levels than 20% if done correctly also does not result in more DDGS fed or a lower cost. The chart below shows the DDGS used per pig and feed cost per pig using different percentage levels of DDGS in the diet with current commodity prices.

DDGS Level in Finishing Barn	DDGS/Pig (kg)	Feed Cost/Pig	Savings/Pig
No DDGS	---	\$80.69	---
20%, 40%, 20%, 0%	42.37	\$75.10	\$5.59
40%, 30%, 20%, 0%	47.67	\$74.63	\$6.06
20%	49.05	\$73.66	\$7.03

SBM \$400, DDGS \$212, Corn \$261

It's a fact - Another Kenpal Customer has Success with Lacta-Fat™

Lacta-Fat in the Lactation Sow Diet has increased the sows milk production and increased litter weaning weight by over 10%.

**Kevin Van Bakel
Dublin, Ontario**



After reviewing the chart it is clear that when feeding 20% DDGS right to market you will use more DDGS per pig, therefore have a lower feed cost per pig and the rations can be balanced in a more environmentally correct manner for the pig and the people.

In summary, we just touched on two different dry feedstuffs that are commonly compared in the industry. There could also be wet co-products that could be an opportunity when compared in a similar way. The big thing is to take time to balance the diets properly, evaluate the shrink factors, special handling requirements and shelf life of the feedstuffs that are out there for use today.

Thank You.

PIGLET MILK REPLACER 24/18



With larger litter sizes, comes the need for a solution to feed smaller piglets.

Here is what swine producer Brian McNichol has to say about firstSTART P Piglet milk replacer:

We have worked with Kenpal for all our feed since the mid 1980's and when we were looking for a new supplier for piglet milk replacer, Ken suggested we give their new milk replacer product firstSTART P a try.

We find that firstSTART P works just as well as the other milk replacers available and at a better price. With other products we have tried the piglets look swollen, but with firstSTART P they fatten up nicely!

We use the milk replacer with the piglets that fall back on the sows. With the larger litters we see, it is important to have this option available and we find that these runt piglets can usually be weaned at the same time as the rest of the litter.

Brian McNichol
Blyth, Ontario



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