

## Manitoba Broiler Operation AquaKat Trial: 2 barns side by side 11,000 birds per barn

	<u>Barn 1</u>	<u>Barn2</u>	<u>Barn 1</u>	<u>Barn 2</u>	<u>Barn 1</u>	<u>Barn2</u>	<u>Barn1</u>	<u>Barn 2</u>	<u>Barn 1</u>	<u>Barn 2</u>
Date	AGE	AGE	Weight (kgs)	Weight (kgs)	Mortality	Mortality	Condemned Birds	Condemned Birds	Feed * Conversion	Feed * Conversion
13/05/2010	31 days	31 days	1.9	1.9	8.80%	3.70%	2.80%	2.50%	1.60	1.57
02/07/2010	31 days	31 days	1.76	1.83	6.60%	4.30%	1.30%	1.60%	1.62	1.58
19/08/2010	31 days	31 days	1.77	1.78	9%	4.40%	4.30%	4.20%	1.68	1.69
07/10/2010	31 days	31 days	1.82	1.86	3%	4.00%	1.70%	1.70%	1.60	1.60
26/11/2010	31 days	31 days	1.81	1.83	5.90%	3.00%	3.00%	2.30%	1.58	1.57
06/01/2011	31 days	31 days	1.9	1.88	4.20%	5.70%	1.70%	1.60%	1.64	1.56
04/03/2011	31 days	31 days	1.83	1.7	5.90%	3.40%	1.80%	2.50%	1.68	1.65
23/04/2011	31 days	31 days	1.87	1.71	7.30%	5.30%	1.40%	2.30%	1.60	1.62
13/06/2011	31 days	31 days	1.71	1.78	9.20%	5.30%	2.10%	1.80%	1.63	1.59
27/07/2011	32 days	32 days	1.85	1.92	8.80%	8.80%	1.30%	1.30%	1.67	1.59
15/09/2011	31 days	31 days	1.92	1.92	7.50%	8.80%	3.30%	3.10%	1.66	1.59
		AVERAGE	1.83	1.828	6.93%	5.15%	2.25%	2.26%	1.63	1.60
<b>04-Nov-11</b>	<b>31 days</b>	<b>31 days</b>	<b>1.96</b>	<b>1.84</b>	<b>5.60%</b>	<b>4.90%</b>	<b>N/A</b>	<b>N/A</b>	<b>1.596</b>	<b>1.59</b>
<b>22-Dec-11</b>	<b>31 days</b>	<b>31 days</b>	<b>1.956</b>	<b>1.854</b>	<b>5.70%</b>	<b>6.40%</b>	<b>235 kgs</b>	<b>463 kgs</b>	<b>1.55</b>	<b>1.56</b>
							<b>(65 birds)</b>	<b>(172 birds)</b>		
		AVERAGE	1.958	1.847	5.65%	5.65%			1.573	1.58

Barn 1 fitted with AquaKat 15 days into growing period

2nd Month of trial and first full period tested (31 days)

\*\*\* Birds consuming water for the 46 days that the AquaKat was attached to Barn 1 (15 days from 1st period and 31 days for 2nd period) gained an average of 111 grams (3.91 oz) more weight per bird than birds in control barn. Birds in the AquaKat barn were 6.01% heavier than Control after 31 days.

\*\*\* Due to time frame of attaching device to barn 1 (15 days into Nov. 4th growing period) condemns was not notabled during 1st growth period, however during the second growth period birds in Barn 1 had a condemned loss of 107 fewer birds than the control, which equated to 228 kgs (502.5 lbs) more live bird weight to market.

\*\*\* Due to these initial positive results the operation has since installed an AquaKat on Barn 2. This resulted in the performance of the new barn to increase to new performance level -- slightly superior to Barn 1 (old barn).

\*\*\* Since birds in both barns with AquaKats installed produced heavier birds in a shorter time, was able to switch to growing birds to desired weight in 30 days, saving 8.5 tonnes of feed over the two barns.

\* Feed Conversion = lb. of feed consumed per lb. of bird weight produced.

For more information: <b>PENERGETIC CANADA</b> 1-888-737-0907 <a href="mailto:info@penergetic.ca">info@penergetic.ca</a>
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