

**Product:**  
Penergetic-t

## User application Report

**User:**  
Rainbow Farms  
RSA-Worcester

**Adviser:**  
Organic farms & Supplier  
RSA-Durban Ville

**Date:**  
November 2003

### Penergetic-t and AquaKat XL in broiler farm

Test in broiler farm with 28'000 house 9 and 29'000 chicks house 10.  
They placed an AquaKat XL on the main water pipe to each house. The information's on the AquaKat was water vitalisation and Penergetic-t chicken.

house	chicks placed	chicks alive	Mort: %	AVG live mass	AVG age	total feed used	FCR
<b>pen-9</b>	<b>28.000</b>	<b>27.224</b>	<b>2.59</b>	<b>1.68</b>	<b>35</b>	<b>77.710</b>	<b>1.70</b>
<b>pen-10</b>	<b>29.000</b>	<b>28.239</b>	<b>2.47</b>	<b>1.73</b>	<b>35</b>	<b>80.030</b>	<b>1.64</b>
contr.1	31.500	38.826	2.48	1.77	37	83.580	1.54
contr.2	31.500	29.758	4.75	1.72	36	84.600	1.66
contr.3	31.500	29.760	1.38	1.79	36	85.230	1.60
contr.4	31.500	31.287	1.59	1.82	36	86.440	1.52
contr.5	31.500	29.150	6.87	1.62	37	80.430	1.71
contr.6	31.500	31.204	2.66	1.78	37	83.660	1.51
contr.7	28.720	28.196	3.84	1.87	35	62.250	1.74
contr.8	30.000	29.074	3.30	1.87	35	60.930	1.66
contr.11	30.000	28.950	3.74	1.70	36	61.680	1.65
contr.12	30.000	29.158	2.74	1.68	35	93.220	1.91

In the same test the bedding was treated with Penergetic-k with

- a.) 3 gr / m<sup>2</sup> in the empty houses
- b.) 6 gr / m<sup>2</sup> when the bedding is in the houses

house	ph	N%	P%	K%	Ca%	Mg%	Na mg/kg	Mn mg/kg	Cu mg/kg	Zn mg/kg	B mg/kg
9	6.6	5.33	1.11	2.10	0.69	0.44	4433.93	445.36	63.59	488.64	34.70
10	7	4.13	0.98	2.03	0.64	0.46	4254.30	468.72	79.37	498.91	26.79
12	7	4.60	1.09	2.10	0.63	0.46	4320.62	446.57	71.34	489.79	31.89