



Anwendungsbericht/User Application Report

Produkt/Product:
penergetic g

Fachberater/Consultant:

Anwender/User:
Behn Meyer
Thailand

Datum/Date:
2015

Ammonia Measurement in Ducks, Thailand

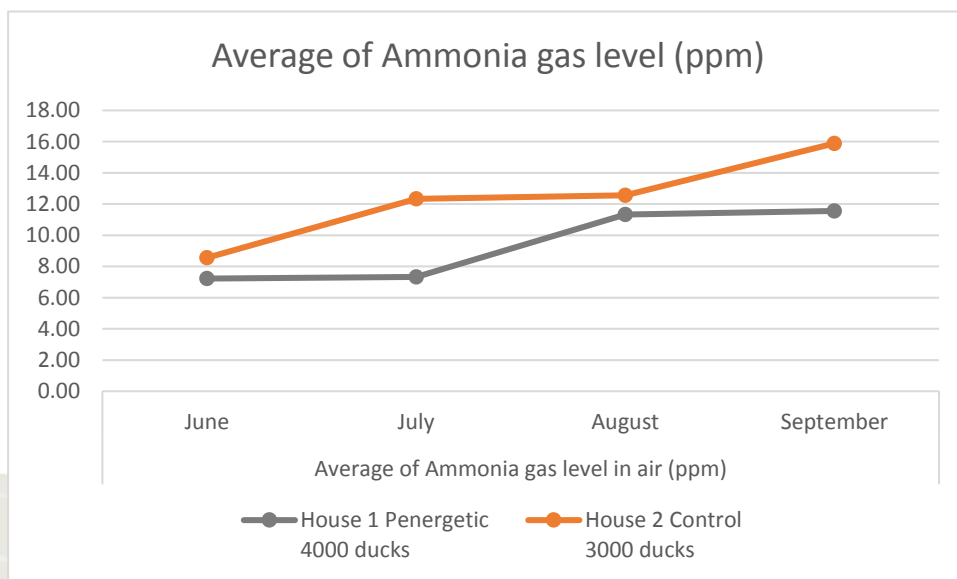
The test was designed to show the efficiency of penergetic g in ammonia reduction in barns.

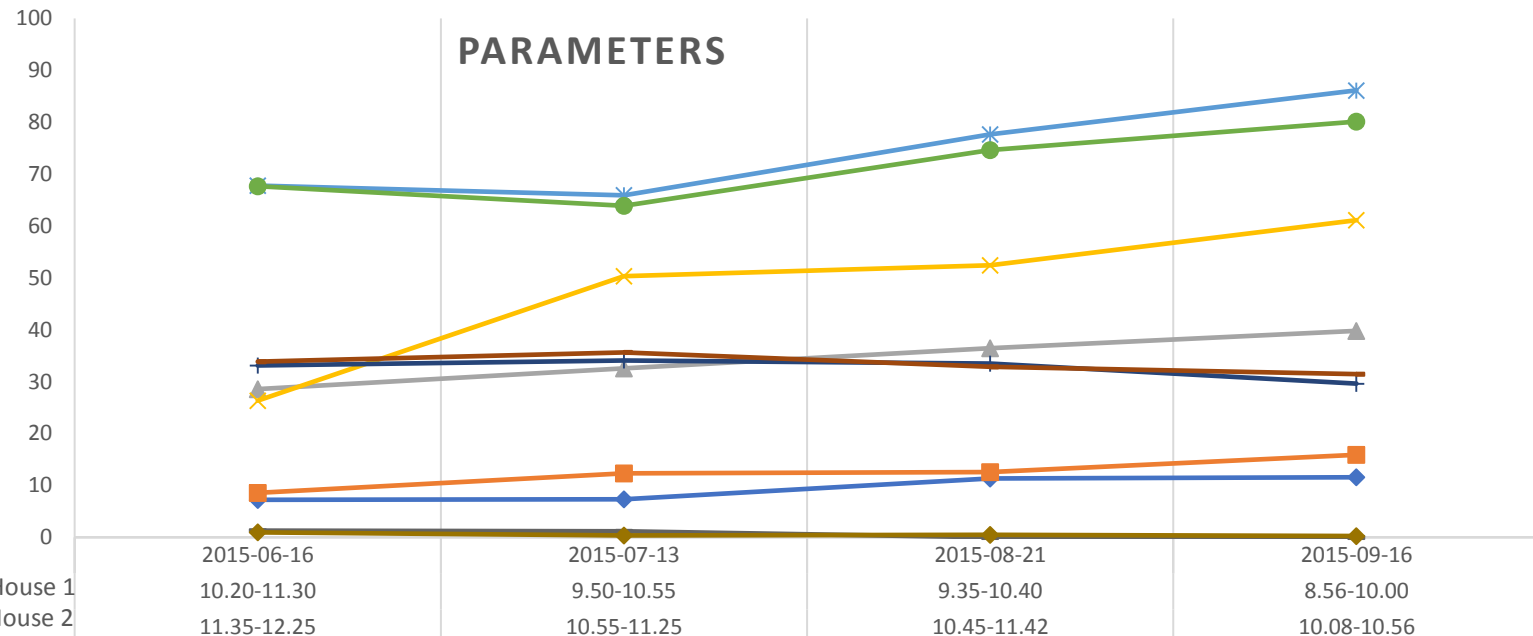
Design

2 Layer duck barns

House 1 – penergetic g with 4000 ducks
House 2 – Control with 3000 ducks

Dosage: 2kg / 100m³ slurry





Date	2015-06-16	2015-07-13	2015-08-21	2015-09-16
Time House 1	10.20-11.30	9.50-10.55	9.35-10.40	8.56-10.00
Time House 2	11.35-12.25	10.55-11.25	10.45-11.42	10.08-10.56
Ammonia in air (PPM) House 1	7.22	7.33	11.33	11.56
Ammonia in air (PPM) House 2	8.56	12.33	12.56	15.89
Ammonia in feces (PPM) House 1	28.56	32.56	36.44	39.78
Ammonia in feces (PPM) House 2	26.33	50.33	52.44	61.11
Humidity (%) House 1	67.78	65.9	77.62	86.13
Humidity (%) House 2	67.64	63.88	74.61	80.11
Temperature (°C) House 1	33.08	34.07	33.47	29.61
Temperature (°C) House 2	33.82	35.62	32.87	31.44
Wind Speed (mph) House 1	1.28	1.17	0	0
Wind Speed (mph) House 2	0.94	0.36	0.48	0.24