



# ZOONO<sup>®</sup> ANIMAL HEALTH

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## ANTIBIOTIC FREE BROILER SHED FOUR CYCLE STUDY

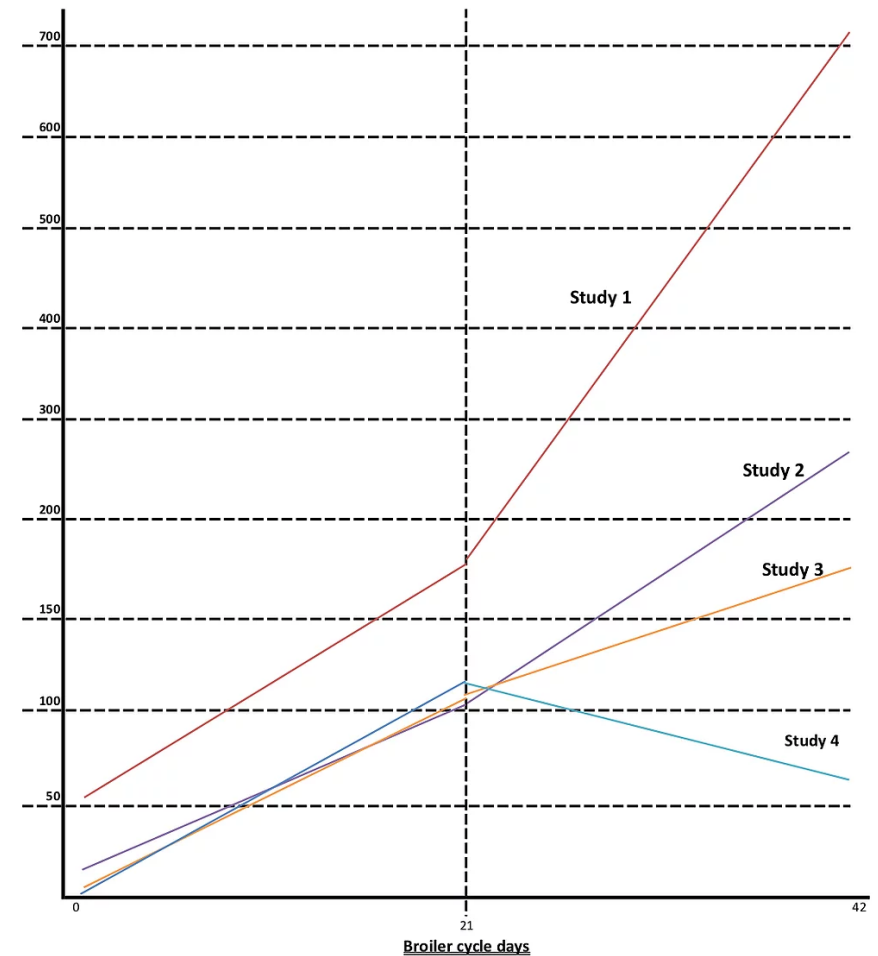
These results are from a farm consisting of 12 antibiotic free broiler sheds.

The studies were run over four 42 day growing cycles to observe microbial loads and in particular to see whether the loads drop and look for any obvious changes in the shed's performance.

All comments from livestock farmers can be found [here](#).

FEEDBACK

ANTIBIOTIC FREE BIRDS		Test nos.		Test nos.		Test nos.		Test nos.	
		1-6	1-6	7-12	1-6	1-6	1-6	1-6	1-6
Considered Food Safe (A)	0 - 30	0	0	1	4	0	0	0	0
Considered clean (B)	31 - 100	2	3	3	3	0	2	0	1
s	101 - 200	3	1	1	0	3	3	1	2
Contaminated (D)	201 - 500	0	1	1	0	2	2	1	2
High Contamination Risk (E)	501 - 1000	1	1	0	0	0	0	3	1
Extreme Contamination Risk (F)	1000+	0	1	0	0	1	0	1	1
		6	7	6	7	6	7	6	7
Study 1 Dec 19 - Jan 2020		Farm wash		After Z-71		Mid point 22 days		Final - 42 days	
SHED 6	Dec 6th 2019	Dec 6th 2019		Dec 28th 2019		Jan 17th 2020			
POSITION	Test #	Result	Code	Test #	Result	Code	Test #	Result	Code
Wall beside Annex	1	129	C	7	164	C	1	123	C
Wall opposite Annex	2	109	C	8	61	B	2	363	D
Back Wall - furthest from Annex	3	41	B	9	44	B	3	226	D
Drinker - Opposite Annex side	4	511	E	10	304	D	4	164	C
Feeder - Opposite Annex side	5	88	B	11	22	A	5	2358	F
Front Wall	6	168	C	12	39	B	6	120	C
Median Readings	119			52.5			174.5		
Study 2 Jan - March 2020		Farm Wash		After Z-71		Mid point		Final - 42 days	
SHED 6	Jan 31st 2020	Feb 2nd 2020		Feb 23rd 2020		March 13th 2020			
POSITION	Test #	Result	Code	Test #	Result	Code	Test #	Result	Code
Wall beside Annex	1	31	B	1	5	A	1	84	B
Wall opposite Annex	2	198	C	2	4	A	2	121	C
Back Wall - furthest from Annex	3	272	D	3	18	A	3	43	B
Drinker - Opposite Annex side	4	2635	F	4	46	B	4	32	B
Feeder - Opposite Annex side	5	623	E	5	72	B	5	433	D
Front Wall	6	94	B	6	12	A	6	212	D
Median Readings	235			15			102.5		
Study 3 March - May 2020		Farm Wash		After Z-71		mid point		Final	
SHED 6	March 19th 2020	March 24th 2020		14th April 2020		May 11th 2020			
POSITION	Test #	Result	Code	Test #	Result	Code	Test #	Result	Code
Wall beside Annex	1	59	B	1	31	B	1	120	C
Wall opposite Annex	2	46	B	2	2	A	2	197	C
Back Wall - furthest from Annex	3	5	A	3	0	A	3	12	A
Drinker - Opposite Annex side	4	169	C	4	3	A	4	12	A
Feeder - Opposite Annex side	5	369	D	5	35	B	5	113	C
Front Wall	6	19	A	6	3	A	6	110	C
Median Readings	52.5			3			111.5		
Study 4 May - July 2020		Farm Wash		After Z-71		Mid point		Final-42days	
SHED 6	May 21st 2020	May 22nd 2020		June 11th 2020		July 3rd 2020			
POSITION	Test #	Result	Code	Test #	Result	Code	Test #	Result	Code
Wall beside Annex	1	13	A	1	0	A	1	177	C
Wall opposite Annex	2	14	A	2	1	A	2	112	C
Back Wall - furthest from Annex	3	3	A	3	1	A	3	50	B
Drinker - Opposite Annex side	4	34	B	4	0	A	4	477	D
Feeder - Opposite Annex side	5	4	A	5	0	A	5	165	C



*Note: Microbial loads in the shed dropped each study over the 42 day cycles*

Results prove every application provides a further coating of microscopic pins on the surface improving residual performance