ZOONO® ANIMAL HEALTH

FIELD STUDIES

ıe farms serviced by a leading veterinary company in Australia, trials conducted by Zoono Animal Health
ǵet areas - farrowing crates - nurseries – drinker and feeder bowls.
ıervations – lower pathogen levels for sustained periods – better general animal health.
ective – understanding common ailments and identifying areas for biosecurity improvement, educating farmers of the benefits of Zoono products.

MEASUREMENT SCALES, TECHNIQUES, SCALE AND VALUES

ESTING

ısurements were realized with ATP testing
ɔgy. The measurement units are in RLU that is not a
lized unit of measurement. It depend of the

SCALE

RLU scales are different for each system. Each manufacturer sets their own value for 1 light unit and all

VALUES

Average value: For each shed and for each measurement moment, was obtained an average RLU value calculated a

ing systems, sensitivities, reagent formulations and
ection systems.
ıles are different for each system. The most relevant
ıf the measurement is not the absolute value but the
comparison, between sheds and on time.

measurements are made relative to that value. The scale defined by the manufacturer of the used equipment is:

0 - 30	Considered Food Safe
31 - 100	Considered clean
101 - 200	Caution!
201 - 500	Contaminated
501 - 1000	High Risk of Infection
1000 +	Extreme Risk of Infection

average value of the two mid points from the six measured
goal is to reduce the outliers.
Relative difference: The relative comparison between shec
obtained by calculation of the ratio in percentage betweer
average value obtained for each shed in the same date

NURSERY

TP ANALYSIS - Room 1

		Test nos.		Test nos.		Test nos.	
		20-30	31-	34-44	45-	116-126	127-
nsidered Food Safe (A)	0 - 30	1	0	7	2	2	1
nsidered clean (B)	31 - 100	2	1	1	1	3	2

- The room was prepared with normal sanitisation and awai stock arrival.
- ATP's were carried out and still sporadic high pathogen lo were registered.
- Misting was carried out and further ATP results show sigr reductions. A retest with ATP proved a sustained reducti pathogen loads after 9 days.

ursery

Cycle description:	Washed no Sanitiser								
	12/06/2019			12/06/2019			20/06/2019		
OSITION	**Test #**	**Result**	**Code**	**Test #**	**Result**	**Code**	**Test #**	**Result**	**Code**
ay 1 Back wall drinker		3321	F		6	A		86	B
ay 2 Feeder trough		2267	F		28	A		92	B
ay 4 5th bar in on rh rail		954	E		55	B		45	B
ay 9 Feeder trough		922	E		8	A		105	C
ay 11 back wall lhs of drinker		131	C		118	C		71	B
ay 12 drinker bowl		8942	F		21	A		87	B
ay 12 wall inside gate lhs		7595	F		1153	F		326	D

ESULTS	
verage Untreated	3447.43
Iedium (midpoint) treated	116.00
otal reduction after treatment	-96.64%

- The room was prepared with a power wash and sanitisation.
- ATP readings were taken pre misting applicatio extremely high levels were recorded.
- Z-71 POULTRY was applied and retested once – (approx. 45 min after) – 8 days
- Reduction in pathogen load recorded an averag 96%.

FARROWING SHED

- Comparison was between rooms 1 & 2 in No 2 farrowing shed
- Room 2 – power wash with standard sanitisation
- Room 1 – power wash with no sanitisation
- Room 1 – Retest after product applied THEN AFTER 15 DAYS
- Results proved an overall reduction in pathogen load of 94% between both sheds.

Conclusion : This product applied in the correct manner reduces pathogen loads more ef than standard sanitisation and for longer sustained periods of time as already proven.

TRIAL SUMMARY

Areas agreed requiring Zoono technology

- Staff Clothing
- Staff vehicles
- Staff common areas – black mould
- Wash down water supply
- Farrowing creates
- Feeding troughs
- Nurseries