



Entegard® IMPROVES THE HEALTH AND GROWTH PERFORMANCE OF LIVESTOCK

➤ GUT BENEFITS

- Entegard® IMPROVES GUT VILLI HEIGHT
- Entegard® IMPROVES GUT CRYPT DEPTH
- Entegard® IMPROVES GUT BARRIER FUNCTION
- Entegard® IMPROVES NUTRIENT ABSORPTION
- Entegard® IMPROVES GUT SURFACE AREA
- Entegard® SUSTAINS A HEALTHY SMALL INTESTINE MICROBIOTA

➤ ADVANTAGES

- NOT AN ANTIBIOTIC
- HIGHER ACCEPTANCE FROM CONSUMERS, HIGHER PRICE PAID
- CLEAN LABEL: KEY ACTIVE INGREDIENT IS NATURAL SOURCE LYSOZYME
- LYSOZYME FOR ENTEGARD® IS PRODUCED UNDER EUROPEAN STRICT QC & QA
- ACCESS PREMIUM MARKETS
- EXPORT TO EUROPE WHERE IMPORTS MUST BE RWA²
- MARKET OF RWA² MEAT IS GROWING IN ASIA RAPIDLY
- ENTEWARD® WS DELIVERS WATER ACIDIFICATION TO OPTIMUM LEVELS

➤ BENEFITS IN BROILERS PRODUCTION

- IMPROVED GUT HEALTH WHEN USED AS COMPLEMENTARY FEED
- FCR¹ - LIVE WEIGHT PERFORMANCE AS IN CONVENTIONAL PRODUCTION
- SUITABLE FOR THE WITHDRAWAL PERIOD IN RWA/ABF2 PRODUCTION
- MAINTAIN THE FLOCK HEALTHY AVOIDING LOSSES
- OVERCOME NE³ BY ALLOWING BETTER ABSORPTION OF NUTRIENTS

1. Feed Conversion Ratio
 2. Raised without antibiotics / antibiotic-free
 3. Necrotic Enteritis

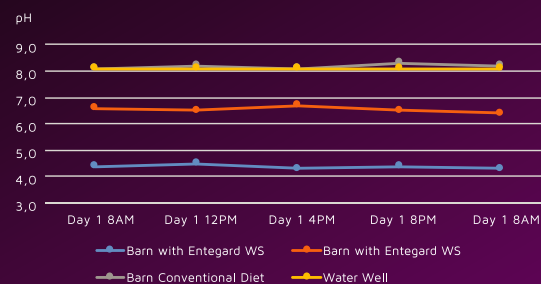
➤ GUT CRYPT DEPTH IMPROVEMENT



➤ ACTIVITY IN VITRO

BACTERIA	MIC - PPM3
Campylobacter jejuni	350
Clostridium perfringens type A	31-62.5
Clostridium perfringens type C	31
Clostridium septicum	62.5
Escherichia coli	31-625
Salmonella typhimurium	1250

➤ WATER ACIDIFICATION | Entegard® WS |





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➤ ANTIBACTERIAL ACTIVITY

Entegard® provides activity against bacterial challenges in standard or ABF operations:

Entegard® BREAKS DOWN THE CELL WALL OF BACTERIA

Entegard® INFLUENCES AND REDUCES BACTERIAL POPULATION

Entegard® IS THE IDEAL ALTERNATIVE TO ANTIBIOTICS



➤ IMMUNOMODULATOR ACTIVITY

Entegard® improves overall poultry health preventing antibiotic resistance risk:

Entegard® Lyses the cell wall of bacteria

Entegard® Promotes clearance of microbial debris

Entegard® Reduces gut inflammation in poultry

➤ EASY TO USE THROUGH WATER OR FEED, PRODUCT FORMS:

Entegard® WS | 
 WATER SOLUBLE

Entegard® PLUS | 
 FEED

 bioseutica™

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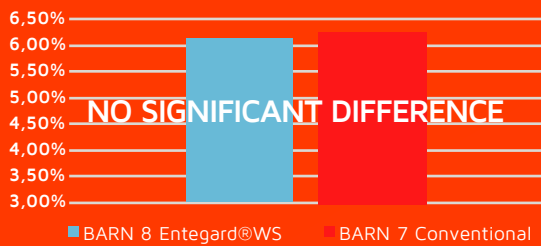


Entegard® IMPROVES THE HEALTH AND GROWTH PERFORMANCE OF LIVESTOCK

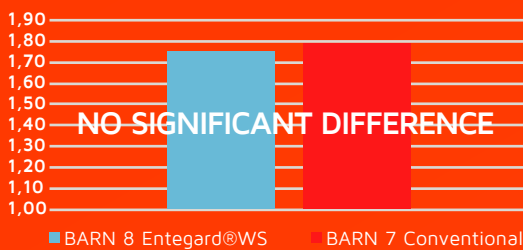
➤ **COMMERCIAL TRIALS EVIDENCE I**

➤ **COMMERCIAL TRIALS EVIDENCE II**

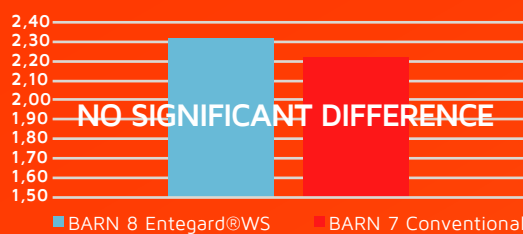
MORTALITY %



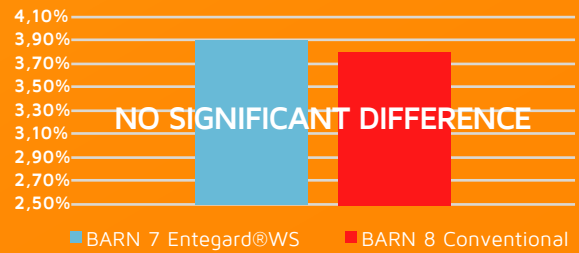
FCR FEED CONVERSION RATIO



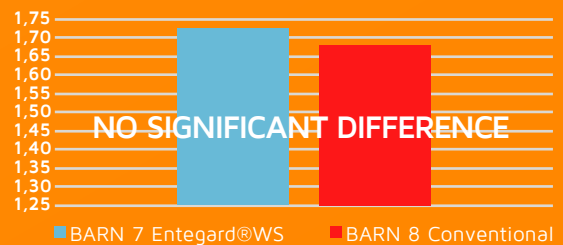
LIVE MEAT Kg/BIRD



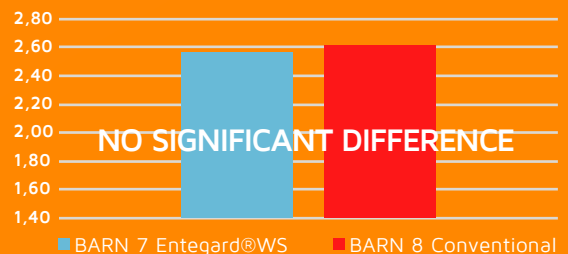
MORTALITY %



FCR FEED CONVERSION RATIO



LIVE MEAT Kg/BIRD





Entegard® IMPROVES THE HEALTH AND GROWTH PERFORMANCE OF LIVESTOCK STOCK SOLUTION PREPARATION

➤ FOR APPLICATION WITH A 1:128 WATER PUMP

Entegard® WS | 




 WATER SOLUBLE

 COLOUR **WHITE**  FORM **POWDER**  MAX TEMPERATURE **65°C**

Mix thoroughly with water from the same normal source for the barn
Mix until there is no sediment, some suds/foam will be produced
Start with a 20L bucket and a 40L bucket for and beyond the 3rd week
Connect the stock solution to the medicator pump through a normal host

RECOMMENDATIONS:

Throw out remainder solution from past day - Avoid temperature above 35°C
SHELF LIFE: Up to 24 months at ambient temperature when stored in original packaging and protected from moisture.

Water Liters	Entegard® WS  grams	RECOMMENDED DAILY DOSAGE	
30	6	BROILERS	ppm
80	16	Healthy	200
330	66	NE ¹ Affected	1000
580	116	 	
830	216		

1. Necrotic Enteritis

Entegard® is produced in The Netherlands according to FAMI-QS standards

 bioseutica™

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