



ProtectOx™ DW

Liquid acidifier with antioxidative properties

ProtectOx DW is a liquid acidifier for preservation and support of the gastrointestinal function in poultry. Besides a high content of organic acids. ProtectOx DW contains polyphenols with antioxidative effect, having a positive impact on animals exposed to stressful situations, as for example heat stress.



ProtectOx DW contains:

- Organic acids with a strong antibacterial effect which reduces growth of harmful bacteria
- Polyphenols with antioxidative properties, which reduce the damage of oxidative stress within the animal and strengthens the natural defence

Benefits and effects:

- Lowers the pH in the first part of the gastrointestinal tract
- Reduces the damage of oxidative stress in response to heat stress conditions
- Supports feed digestion
- Optimises animal growth performance and supports normal heart function under heat stress conditions
- Easy to administer through the drinking water

Application:

Depending on initial water pH add ProtectOx DW to the drinking water up to 0.2%. Optimum pH of drinking water is 4.0. Can be secured by pH-measurement of drinking water.

Chicks:

During the first 7 days of life.

For growth performance:

Use ProtectOx from day 21 – until slaughter.

For supporting normal heart function under heat stress conditions:

Use ProtectOx from day 1 to slaughter.

University trial, Nov. 2017

Broiler growth performance and mortality with 0.2 % ProtectOx DW in drinking water.

Variables	Control		ProtectOx DW day 1-42		ProtectOx DW day 21-42	
	Control	Index	S1	Index S1/C	S2	Index S2/C
ADG (g)	55.5 ^b	100	61.5 ^a	110.8	60.0 ^a	108.1
ADFI (g)	108.7	100	106.9	98.3	107.2	98.6
FCR	1.96 ^a	100	1.74 ^b	88.8	1.79 ^b	91.3
Final weight (g)	2383 ^b	100	2633^a	110.5	2569^a	107.8
Mortality (%)	15 ^a	100	5^b	33.3	3.75^b	25.0

Different letters in a row, means significantly difference p<0.05

R2 Agro A/S

Office: Odinsvej 23 · Production: Odinsvej 21 + 25 · DK-8722 Hedensted · Denmark
Phone: +45 7674 1200 · info@r2agro.com · www.r2agro.com

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