



## Acidifiers

**Very tasty.  
Our jumpstart!**

The acidifiers Ca<sup>Plus</sup> and Anta<sup>Cid</sup>  
lead to welcome growth rates  
in rearing young animals.



**DR. ECKEL**  
creative solutions

# Whoever controls feeding, determines growth



There is a way of clearly improving the growth of your animals. For example by using acidifiers which are particularly suited to feeding young animals. The feed is stabilised, the nutrients are used more efficiently and the growth of the animals is optimised.

## The rearing period does not need to be critical. Take the necessary steps in good time!



Even the most dedicated pig breeders know that the main causes for losses in piglet feeding are diseases of the digestive tract, poor growth performance and, as a result, high morbidity.

Digestive disorders in piglets are usually related to difficulties incurred when changing over from milk feeding to solid feeding. At weaning the piglet is exposed to environmental changes and is challenged by microbiological factors. Stress and low tolerance for pathogens from the feed also lead to bacterial infections of the digestive system.

The animals can no longer use the nutrients in the feed adequately. This does not need to be the case. The use of **Ca<sup>Plus</sup>** and **Anta<sup>Cid</sup>** helps you to avoid these problems.

## How acids function as guarantees for growth.



Acidifiers work as preservatives because they minimise microbiological deterioration. They also lower the buffering capacity of the feed. We offer you highly efficient acid mixtures, such as **Ca<sup>Plus</sup>** and **Anta<sup>Cid</sup>**, which increase growth performance quite considerably. On one hand this effect is due to the acid or salt additive, and, on the other hand, to the reduction of inorganic calcium compounds in the ration. This is possible because of the easily available calcium compound in the acid mixture.



## Growth for you, and also for the animals



		ADG	FCR
Crop cleaning (cleaned during and after harvest)	Piglet	+ 10 %	- 3 %
	Fattening pig	-	-
Grain drying (15 - 19 % moisture)	Piglet	+/- 0	+/- 0
	Fattening pig	+ 2 %	- 2 %
Anta <sup>Cid</sup> PM added to normal grain (12 - 13 % moisture)	Piglet	+ 6 %	- 4 %
	Fattening pig	+ 5 %	- 3 %
Anta <sup>Cid</sup> PM added to wet grain (15 - 18 % moisture)	Piglet	+ 6 %	- 4 %
	Fattening pig	+ 3 %	- 1 %

AGD=daily weight gain, FCR=feed conversion ratio, Source: adapted from Lindermayer, 2004

The acidifiers lower the pH value in the stomach. This leads to improved protein digestibility with a correspondingly reduced concentration of undigested proteins in the hind gut. The reduction of the bacterial activity in the gastro-intestinal tract produced by using organic acids in the feed has been described many times. If the metabolic activity of microorganisms decreases, the animal will suffer less distress from bacterial toxins (biogenic amines, ammonia) which reduce the growth rate.

## Why risk more than necessary? Our tip for practical application.



Use acidifiers, lower the risk of gastro-enteritis and avoid piglet losses.

	Negative control	Anta <sup>Cid</sup> PM
Frequency of gastro-enteritis	68	15
Losses	32	11
Coli gastro-enteritis	3	0
Other	29	11



## Our acidifiers at a glance.

### **Acidifiers from Dr. Eckel are particularly suitable for:**

Piglets, fattening pigs, sows, poultry, rabbits and calves

### **Application:**

Whenever you want to improve feeding hygiene and animal performance. You make a valuable contribution to improved performance and optimum health, especially when feeding young animals.

### **Mode of action:**

Acidifiers function as preservatives and they lower the buffering capacity in the feed. They reduce the passage rate of the feed and lead to better nutrient digestibility.

### **Dosage recommendations:**

The dosage depends on the raw materials, the storage time and the intended use. We will be pleased to work out an individual dosage recommendation for you.

### **Further advantages:**

The acidifiers with the highly available calcium source Ca<sup>Plus</sup> are practically odourless and only slightly corrosive. This means they are easy to handle and are pleasant to use.

Made for Dr. Eckel GmbH.

Do you require further information? Get in touch with us.  
We will be pleased to advise you about all our products.



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