



# MAG26

MAGNESIUM PHOSPHATE

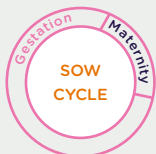
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**Specific molecule  
gathering two macro-minerals**

**phosphea**  
LEADING AND FEEDING

# Why is it important to manage the stress in pig production ?

**STRESS IS A MAJOR CONCERN IN PIG PRODUCTION, WITH A DIRECT IMPACT ON ZOOTECHNICAL PERFORMANCE.**



Throughout the swine production process, pigs are subjected to a lot of stress.

Post-Weaning and Fattening

Any change in energy metabolism or in the immune system increases the amount of free radicals in the body, known as **oxydative stress**.



Healthy cell



Free Radicals  
Attacking Cells



Cell with  
Oxidative Stress

Source : Amarakoon, 2017 ; Sordillo & Aitken, 2009

Stress in swine production decreases growth and production performance.



Farrowing stress: **-1.6** piglets born alive



Post-weaning stress: **-70g** of ADG

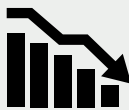


Cannibalism: **- 4kg** slaughterweight

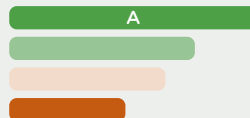
Source : Zhao et al., 2013; Robert et al 2009 ; Camerlink et al. 2012

**THIS ISSUES ULTIMATELY DECREASE SOCIO-ECONOMIC LEVEL**

Improving resistance to stress meets societal expectations: better animal welfare and higher income for breeders.



ANIMAL WELFARE



# MAG26, THE ADAPTED PHOSPHATE TO IMPROVE STRESS RESISTANCE

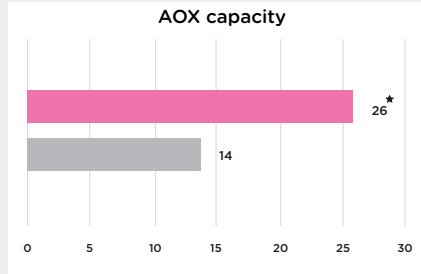


CMI Trial : 2023

ANTIOXYDANT CAPACITY

MAG26 + CaCO<sub>3</sub>

MCP + MgO



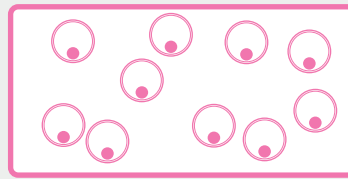
The combination of P and Mg in the same molecule increases antioxidant capacity, compared to an association of MCP and MgO.

We measured antioxidant capacity using the eBQC method.

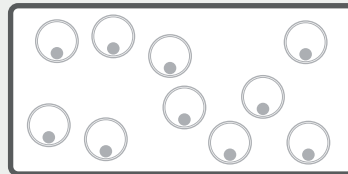
CELLS VIABILITY

MAG26 + CaCO<sub>3</sub>

MCP + MgO



Iso P, Mg and Ca



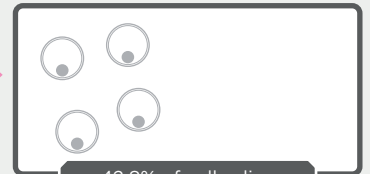
Heat stress



Heat stress



58.4% of cells alive



42.8% of cells alive

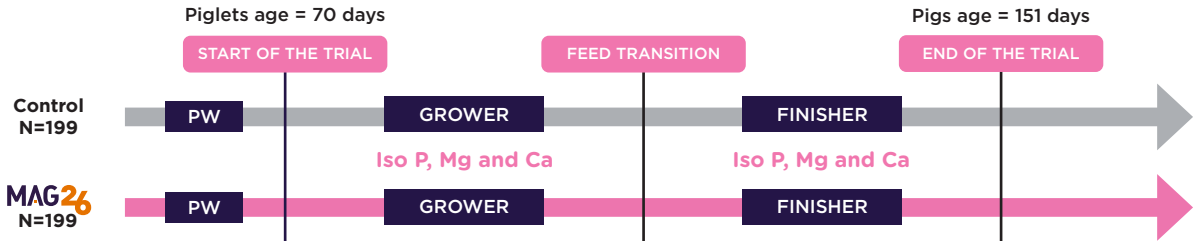
MAG26 has a cell-protecting effect

# MAG26 INCREASES TECHNICAL AND ECONOMICAL PERFORMANCES



Trial : 2023

ROI = 1:4



## TAIL BITING



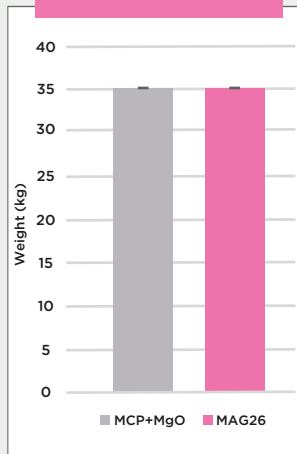
-20% of lesions



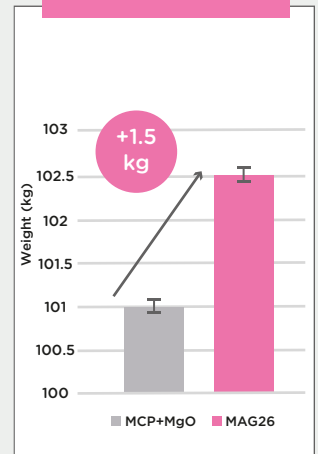
-66% of strong lesion

MAG26, with his properties on cells viability and antioxydant capacity, manage the stress and improves the performances.

## WEIGHT AT 70 DAYS

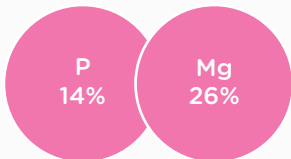


## WEIGHT AT 151 DAYS



# A UNIQUE COMBINATION FOR UNIQUE PROPERTIES

# MAG26



Citric acid solubility >94%

## PHYSICAL SPECIFICATIONS

Appearance	Cream or light brown coloured micro-granules
Bulk density	0.7 - 0.9
Particle size	0.2 -1.25 mm



Product	MCP	MAG26
ATTD of P%	78.7	77.1

Trial : 2023

A digestibility trial showed that phosphorus in MCP and MAG26 have the same phosphorus digestibility.

## AVAILABLE FOR:



# MAG26



# Discover the other products for swine

## A RANGE IN LINE WITH SWINE INDUSTRY ISSUES

### ESSENTIAL

MCP - DCP  
MDCP

### PERFORMANCE

CalseaPowder Advance  
MAG26 - NEOPHOS

### EVOLUTION

Hum IPHORA  
CalseaGrow

## PHOSPHEA KEY FIGURES



**7**  
Factories



**2<sup>nd</sup>**  
Worldwide feed  
phosphate player



**550**  
Employees



Phosphea complies with European feed  
regulations which ensure traceability and safety.

[technical@phosphea.com](mailto:technical@phosphea.com)

For more information, our technical team is available to assist you.

