

# CUMINEX

*Robust and protected*



INTESTINAL WALL



WEAK AND VULNERABLE  
WITHOUT CUMINEX



MAXIMUM PROTECTION  
WITH CUMINEX



[www.nuvan.net](http://www.nuvan.net)

# CUMINEX

## A new approach:

- Prevent and quickly recover from diarrhea
- Robuster and heavier piglets at weaning
- Less antibiotics and zinc

Anti-inflammatory, anti-oxidative, gut microflora promoting. A functioning robust gut enables the piglet to cope with pathogens. Umami to stimulate sufficient voluntary intake. Animal and labour friendly.

## Quadruple action:

- 1 Curcusol (watersoluble curcumin):**  
Stimulation gut functioning
- 2 Probiotic:**  
Improve gutflora
- 3 Vitamin E:**  
Gut protection
- 4 Umami:**  
Stimulate appetite

# FEEDBACK FARMERS

*I give CUMINEX together with OREXTROL twice a day with watering can, directly after birth for first 7 days. I'm impressed about the uniformity and weight at weaning.*

- Farmer Hemker | Germany

*The past 2 months 8 out of 10 trucks with pigs I transported came from your farm. What happened? CUMINEX...*

- Trader | Belgium

*With CUMINEX scouring piglets from gilts is resolved.*

- Farmer Leipzig  
Netherlands

*Amazing. Using CUMINEX the diarrhea dropped from 50% to 0%.*

- Farmer Schultewolter | Germany

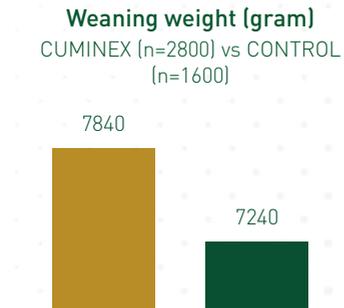
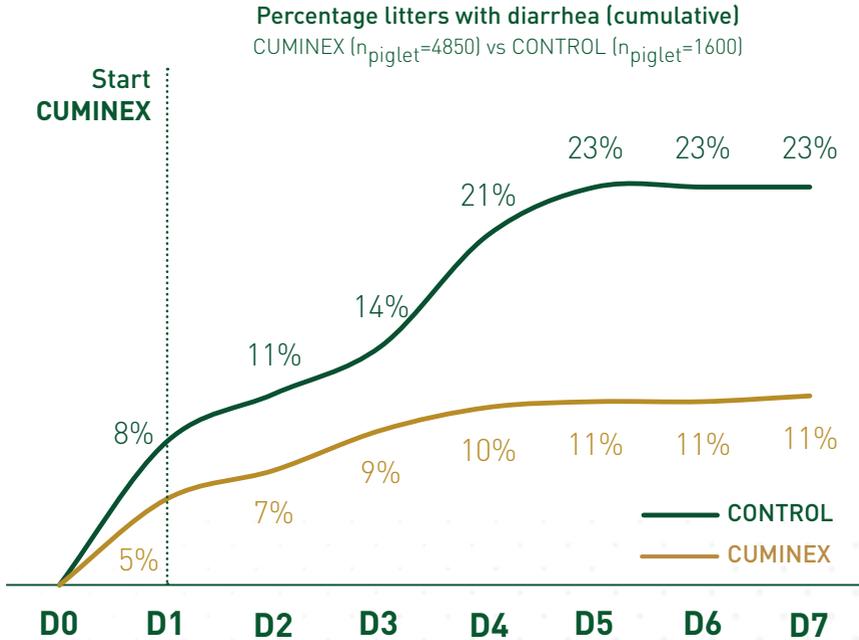
*We have 180 farrowings every week with an automated feeding system. Keep scouring under control is a challenge. Testing CUMINEX the already scouring piglets recovered rapidly and spreading was prevented in contrast with the CONTROL group, which also needed colistin. The uniformity and weaning weights improved. After weaning the startup was much better.*

*At 10 weeks the pigs were 2kg heavier with lower below 2% mortality. Besides this the time needed for uniforming litters was reduced with 50%.*

- Farmer Michiels | Belgium

# RESULTS VISUALIZED

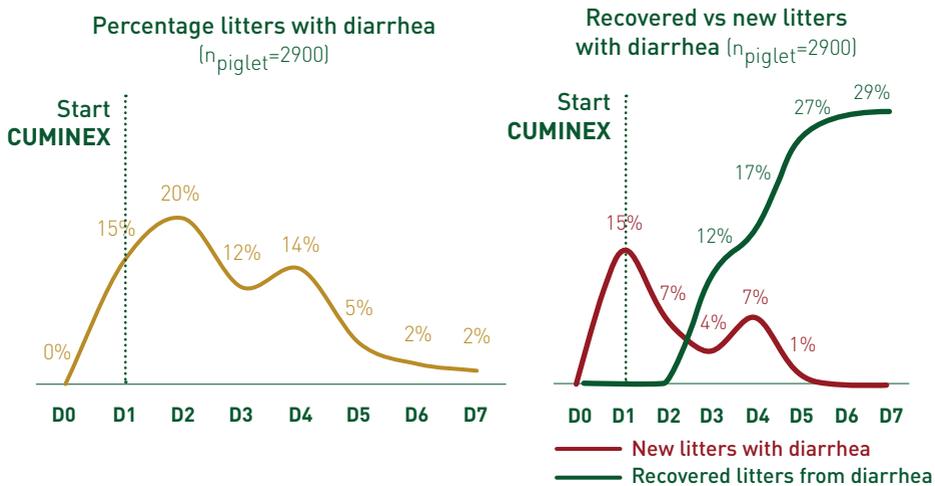
## Trial 1 (4000 sow herd Belgium, December 2021)



**Diarrhea reduced by half  
600 gram extra at weaning**

# RESULTS VISUALIZED

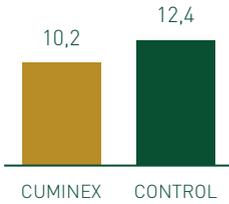
## Trial 2 (4000 sow herd, May 2022)



### Observations farm manager during trials:

	CUMINEX	CUMINEX	CONTROL	CONTROL
Treated with colistin during first week of life	NO	NO	YES	YES
Quality at weaning	Very good	Very good	Good	Moderate
Uniformity at weaning	Very good	Very good	Moderate	Poor
Development uniformity in flatdeck	Very good	Very good	Poor	Poor
Startup after weaning	Very good	Very good	Moderate	Poor
Mortality flatdeck	Low	Low	Low	High

### Preweaning mortality (%)

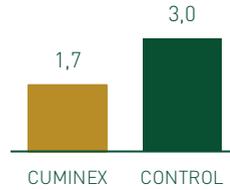


CUMINEX  
(n=1492)

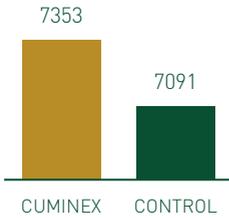
vs

CONTROL  
(n=1596)

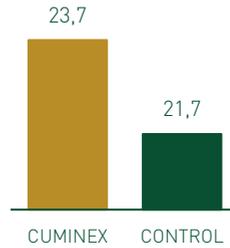
### Postweaning mortality (%)



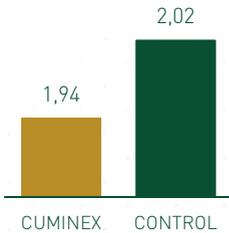
### Weight at weaning (g, 28 days)



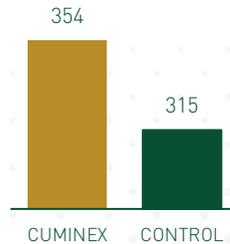
### Weight at 10w (kg)



### FCR



### ADG (g)



#### Preweaning:

- Antibiotic reduction
- Better uniformity
- 2,2% less mortality
- 250 gram extra weaning weight

#### Postweaning:

- 1,3% lower mortality
- 2 kg extra weight
- 1,5 kg feed saved



# About Enterococcus faecium

## Improving microbial gut stability

A soluble probiotic which is resistant to low pH, temperature, bile acid and digestive enzymes. Anti-inflammatory properties and improving intestinal barrier function.

# About vitamin E

Feed, milk replacers and also the farrowing process generates oxidative stress with the release of Reactive Oxygen Species (ROS) in the gut of newborn and young piglets.

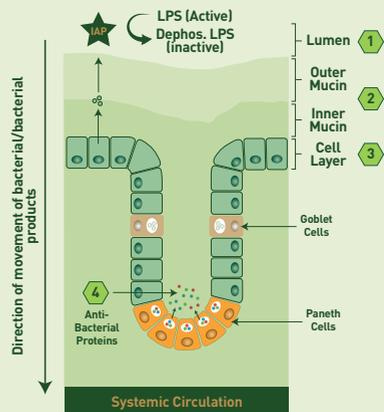
The presence of the lipid soluble vit E in the enteric cell membranes stops the damage of the cells by the ROS.

# About CURCUSOL

NUVAN's proprietary ingredient. A unique encapsulation technique increases the bioavailability and solubility of curcuminoids in water. Possesses anti-oxidant and anti-inflammatory properties.

## Curcumin has a protective effect on the gut;

- 1 Increases IAP: less circulating LPS
- 2 Reduces disruption of the mucus layer
- 3 Improves the organisation of tight junctions
- 4 Releases anti-microbial peptides



# How to use for the best results?

- 1 Start as soon as possible after birth.
- 2 Manual with watering can or in automated feeder. CUMINEX can be mixed into milk.
- 3 First mix the CUMINEX with a small amount of lukewarm water to a smooth paste before adding the rest of the water.

## Dosage

20g / 100 newborn piglets per day.  
For a duration of 7 days.

## Packaging

CUMINEX is packed in 800g plastic tube.



For more information,  
please visit us online:

[www.nuvan.net](http://www.nuvan.net)