

**KULACTIC™**

**Tune up  
for the win.**



**ANIMALS FIRST.**  
**PRODUCTIVITY ALWAYS.**

# Stay focused on the race, we'll help you avoid pit stops.



During each animal's life cycle there can be many unexpected stops and starts along the way. Think of Arm & Hammer Animal Nutrition as your pit crew, here to deliver the right advice and the right fuel at the right time. Together we'll get the job done—and the race won—by focusing on your **Animals First. Productivity Always.**

## Tune up for the win.

Rich in energy-supplying lactose and lactic acid, KULACTIC™ gives pigs the ultimate tune-up by delivering products of whey fermentation and organic acids to help lower pH for improved performance and feed conversion.

Produced through a fermentation of highly palatable whey with a research-proven strain of *Lactobacillus*

*acidophilus*, KULACTIC helps to establish a more favorable microflora to naturally combat pathogens like *E. coli* and *Salmonella*.

## The KULACTIC advantage.

Research proven in over 40 years of university trials and field results, KULACTIC improves performance while keeping feed costs down.

## Get race ready.

- Can reduce gut pH to create a hostile environment for pathogens
- Allows more nutrients to be available for animals to absorb and use for growth and production
- Can save money by reducing the amount of dried whey needed in ration

# It pays to do your pre-race research.

## Driving down costs in swine.

Lactose-containing KULACTIC allows you to replace some of the dried whey in nursery pig rations.

In a study conducted at the University of Arkansas<sup>1</sup>, weaned pigs were fed a control diet containing 20% whey, a control diet containing 17.5% whey supplemented with 2.5% KULACTIC or a control diet containing 20% whey supplemented with an acidifier (0.2% Tetracid 500®). The treatments were fed in phase 1 (0-9 days) and phase 2 (9-23 days) diets. 2.5% KULACTIC successfully replaced 2.5% whey in the diet while improving feed efficiency—compared to pigs fed an acidifier—and maintaining ADG.<sup>1</sup>

Effect of substituting partial whey with KULACTIC in nursery diets<sup>1</sup>

	Control	KULACTIC	Acidifier
Initial Weight, kg	7	6.98	6.99
Final Weight, kg	15.07 <sup>a</sup>	15.09 <sup>a</sup>	14.69 <sup>b</sup>
ADG Phase 1-2	351	352	334
Feed: Gain, Phase 1-2	1.36 <sup>a</sup>	1.34 <sup>a</sup>	1.45 <sup>b</sup>

a,b means in a row with no letter in common differ ( $P < 0.05$ ). Mean separation LSD.

A commercial trial done in the US supported similar replacement of whey up to 2.5% with 2.5% of KULACTIC in diet.<sup>2</sup>

Parameter	Control	KULACTIC (2.5% whey in control diet replaced with KULACTIC)
Beginning Weight/Pig, lbs. (kg)	21.7 (9.84)	21.6 (9.79)
Ending Weight/Pig, lbs. (kg)	36.1 (16.37)	37.9 (17.19)
Total Gain/Pig, lbs. (kg)	14.4 (6.53)	16.3 (7.4)
Feed/Gain	1.96	1.83
Feed Cost/Pound of Gain US\$	0.2417	0.2279

## How KULACTIC drives productivity.

It is generally accepted that acidifying feed helps to establish a more favorable microflora, improving both feed conversion and performance.

The process used to make KULACTIC—combining the products of whey fermentation with a research-proven strain of *Lactobacillus acidophilus*—results in stable, beneficial byproducts.

In addition to palatability, the final product of this process contains all the benefits of *Lactobacillus* in a stabilized form.

### ROAD TIP

#### Use a stable fuel.

After combining the products of whey fermentation with a *Lactobacillus* strain, KULACTIC is condensed and blended with a corn germ meal and dried in a special low-temperature drying system. The lactic acid produced helps add to the stability of the product.



## Fuel up: recommended feeding rates.

25 kg/MT of complete feed or 50 lbs./ton

To learn more about KULACTIC, your pit crew is standing by: contact your nutritionist, veterinarian or Arm & Hammer Animal Nutrition representative or fuel up at [AAnimalNutrition.com](http://AAnimalNutrition.com).

<sup>1</sup> Effect of KULACTIC in nursery diets. Study completed by Charles Maxwell, University of Arkansas, 2005. Report on file.

<sup>2</sup> KULACTIC Research Trial in Swine Starter Feeds. Research Bulletin S-17.

# Navigate the life cycle journey with KULACTIC.



**KULACTIC™**  
| Nursery

**A-MAX™**  
| Entire life cycle

**ACID-A-PRO™**  
| Nursery

**BG-MAX™**  
| Entire life cycle

**CELMANAX™**  
| Entire life cycle

More products to help you get the job done.

It's about ANIMALS FIRST. PRODUCTIVITY ALWAYS.  
See more at [AHAnimalnutrition.com](http://AHAnimalnutrition.com)