KULACTIC™

Lower gut pH to consistently meet target weight goals.

ANIMALS FIRST.
PRODUCTIVITY ALWAYS.

At Arm & Hammer Animal Nutrition we use science

to unlock the power of nature to create solutions that are designed to optimize animal productivity. Our expert team can help troubleshoot challenges and translate science into an action plan, always remaining focused on **Animals First. Productivity Always.**

Produced through a fermentation of highly palatable whey with a research-proven strain of *Lactobacillus acidophilus*, KULACTIC™ helps to establish establish optimal gut microflora to grow healthy, profitable pigs.

Driving down costs in swine.

In a study conducted at the University of Arkansas,[1] 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.[1]

The KULACTIC advantage:

1. Can reduce gut pH to create a hostile environment for pathogens
2. Can save money by reducing the amount of dried whey needed in a ration

EFFECT OF SUBSTITUTING PARTIAL WHEY WITH KULACTIC IN NURSERY DIETS[1]

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

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

A COMMERCIAL TRIAL DONE IN THE U.S. SUPPORTED SIMILAR REPLACEMENT OF WHEY UP TO 2.5% WITH 2.5% OF KULACTIC IN DIET.[2]		
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 U.S.$	0.2417	0.2279

How KULACTIC drives productivity.

It is generally accepted that acidifying feed helps to establish a more favorable microflora, which maintains 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.

Minimum recommended feeding rates.*

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

*Consult your nutritionist for your optimum feeding rates.

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.

More products to help you get the job done.

ACID-A-PRO™ BG-MAX™ CELMANAX™

We're a global, multi-species, animal nutrition team.
We use scientific research to unlock the power of nature to create products that focus on your **Animals First. Productivity Always.** To learn more about KULACTIC contact your nutritionist, veterinarian or Arm & Hammer Animal Nutrition representative or visit AHanimalnutrition.com.

1 Effect of KULACTIC in nursery diets. Study completed by Charles Maxwell, University of Arkansas, 2005. Report on file.
2 KULACTIC Research Trial in Swine Starter Feeds. Research Bulletin S-17.