



BEEFUP™

PERFORMANCE FROM THE GROUND UP

BeefUp IS A SAFE MINERAL ACID USED TO CONTROL AMMONIA AND REDUCE pH TO BIOLOGICALLY EFFECTIVE LOW LEVELS IN CATTLE BEDDING, MANURE AND FOOTBATHS TO SUPPORT BETTER RESPIRATORY HEALTH AND HOOF HEALTH TO IMPROVE PERFORMANCE.

The Power of pH

Low pH has been shown to create an unfavorable environment for the bacteria that can negatively impact hoof health and promote secondary infections.

Relationship Between pH and Bacteria Growth				
pH	E. coli	Clostridium	Salmonella	Pasteurella
7.4	Heavy	Heavy	Heavy	Heavy
7.0	Heavy	Heavy	Heavy	Heavy
6.8	Heavy	Heavy	Heavy	Moderate
6.5	Heavy	Heavy	Heavy	Light
6.4	Heavy	Heavy	Heavy	Light +
6.3	Heavy	Heavy	Heavy	Very Light
6.2	Moderate	Heavy	Heavy	Very Light
6.0	Moderate	Heavy	Moderate	Very Light
5.8	Light	Heavy	Light	Very Light
5.7	Light	Heavy	Very Light	None
5.4	Very Light	Moderate	Very Light	None
5.2	Very Light	Moderate	Very Light	None
5.0	None	Light	Very Light	None
4.8	None	Light	None	None
4.5	None	Very Light	None	None
4.3	None	None	None	None

Table 1. The impact of pH on bacteria growth (Rodin and Hardy)

A Healthier Environment for the Herd

Affordable and effective, **BeefUp** is an EPA Safer Choice product that can be applied to the bedding pack, feeding and drinking areas, and in footbath to help:

- Eliminate ammonia to lower environmental stress for improved performance
- Support hoof health and reduce overall lameness
- Create a safer working environment for employees
- Reduce bedding costs by prolonging bedding use

A Safe, Sustainable Solution for Animals and Workers

BeefUp is the safest, most effective mineral acid on the market. Not only is the main ingredient, sodium bisulfate, on the EPA's Safer Choice List of Chemicals, it eliminates ammonia to support respiratory health for animals and workers. No ammonia means less stress and production losses due to compromised animal respiratory systems.

BeefUp is an environmentally-friendly, mineral acid that is free of heavy metals (copper or zinc) and toxins. Upon activation, it breaks down into elements naturally found in the environment while also:

- Affordably reducing environmental emissions (NH₃ and VOCs)
- Eliminating ammonia-related soil contamination concerns

With its low addition rate, **BeefUp** is an economical way to lower pH in footbath water on its own or as a supplement to copper sulfate.

Where to Use BeefUp



BEDDING PACK



FEED BUNK APRON



WATER BUNK APRON



FOOTBATHS

Application Instructions

In high traffic areas/receiving pens, apply **BeefUp** once a week as needed at a rate of 75-200 lbs/1,000 sq ft. In bedding, including hospital pens, and water and feed bunk aprons, apply once every two weeks or as needed at a rate of 100-200lbs/1,000 sq ft. Product can be applied at rate of 75-200lbs/1,000 sq ft as needed to address high ammonia levels.



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