

SODIUM BICARBONATE



FEED GRADE SODIUM BICARBONATE



The Normalizer™ RUMEN BUFFER

GUARANTEED ANALYSIS
27.1% MINIMUM SODIUM (Na) CONTENT

50 LBS NET WT. 22.68 KG

CHURCH & DWIGHT CO., INC.
500 CHARLES EWING BOULEVARD
EWING, NJ 08628

FEED GRADE SODIUM BICARBONATE NO. 66011 / 20015482

The Normalizer™

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The Normalizer™ Buffer With The Best™

HOW THE NORMALIZER™ WORKS

High energy rations can result in the production of more organic acids than can be handled by natural buffering systems. This can reduce appetite and milk fat percent in dairy animals, and reduce feed efficiency and rate of gain in beef cattle. The Normalizer™, ARM & HAMMER™ brand of feed grade sodium bicarbonate, will help maintain the normal acid-base balance in the rumen of beef and dairy cattle. This results in better feed efficiency that allows for improved gains and faster finishing in beef cattle. In dairy cattle it permits greater feed intake, resulting in improved milk and milk fat production.

As a beef or dairy animal eats roughage, saliva production is stimulated. On natural pasture a full grown animal can produce up to 45 gallons of saliva in a 24-hour period. This saliva will contain between two to four pounds of naturally occurring bicarbonate.

When an animal is removed from pasture and placed on finely chopped or high energy rations, saliva production and bicarbonate production decrease. High energy, chopped rations are readily fermentable and will produce more acid in the rumen than roughage, so the animal's need for The Normalizer™ increases.

By supplementing rations with The Normalizer™ you provide the bicarbonate normally found in the animal's saliva.

RECOMMENDED LEVELS FOR INCLUDING THE NORMALIZER™

Dairy:

For best results, feed sodium bicarbonate as follows:

In the grain mix: Use 1.5% of the grain mix or 30 lbs. per ton of grain.
Per cow per day: Use 0.8 ounces per 10 pounds of milk. (Mixed into the ration).
In a total mixed ration (TMR): Use 0.75% of the total ration dry matter or 15 pounds per ton.

Lbs Grain In Ration	Ounces Sodium Bicarbonate	Lbs Milk Production	Ounces Sodium Bicarbonate
17 lbs	4.0 oz.	50 lbs	4.0 oz.
20 lbs	4.8 oz.	60 lbs	4.8 oz.
23 lbs	5.5 oz.	70 lbs	5.6 oz.
27 lbs	6.5 oz.	80 lbs	6.4 oz.
30 lbs	7.2 oz.	90 lbs	7.2 oz.
33 lbs	7.9 oz.	100 lbs	8.0 oz.

Beef:

In starting cattle use sodium bicarbonate at a rate of 1.0% to 1.5% of total ration dry matter for the first 30 days. After the cattle are well acclimated to the ration, reduce the feeding rate to 0.50% to 0.75% of ration dry matter.

If a high silage (high moisture) ration or highly fermentable wheat is fed in the finishing period, use 1.0% sodium bicarbonate in the total ration dry matter.

Goats/Sheep:

The Normalizer™ should be fed at a rate of .8 ounces for each ten pounds of milk production.

FOR MORE INFORMATION CALL: 800/526-3563 OR WRITE:
CHURCH & DWIGHT CO., INC.
500 Charles Ewing Boulevard
Ewing, NJ 08628

Made in USA
CAS #144-55-8

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BP-083-02FW
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