

BEEF ABATE

FEED ADDITIVE

PACKAGING AND CODES

Bags, net weight 50 pounds
Code: Nutra Blend C21696A0

Available from:
Nutra Blend, LLC,
Neosho, MO 64850
800-657-5657

Nutra Blend West,
Madera, CA 93637 / 503-982-9545
Hubbard, OR 97032 / 559-661-6161

Nutra Blend East,
North Troy, VT 05859
800-945-4474

PMI develops innovative combinations of animal feed additives that optimize performance in poultry, swine, dairy and beef cattle by supporting nutrient utilization and gut health. Working with feed nutritionists, manufacturers, veterinarians and producers, PMI products harness the interactions between feed additives to deliver value, efficacy and strong results. Through a comprehensive innovation approach, across component verticals, species, and geographies, PMI leverages the most advanced ingredients and technologies to develop products that perform.

PMI
Performance Minded.™

PMI
4001 Lexington Ave N
Arden Hills, MN, 55126
www.pmiadditives.com

- ▲ Supports metabolic and digestive function in cattle during times of heat stress so the summer heat doesn't burn up your profits
- ▲ Starting a feed program with Beef Abate before the occurrence of hot days may help counteract inflammation when cattle experience heat stress

Heat stress occurs when cattle cannot effectively cool themselves. The negative health impacts of heat stress are primarily driven by a reduction in feed intake which leads to less energy available for production and heat stress abatement. Common symptoms of heat stress include reduced gut integrity, diet digestibility, and rumen pH which can ultimately lead to increased morbidity and mortality.

By utilizing heat abatement strategies, you can help reduce the impact of heat stress on your herd. We recommend a few key components to a successful heat stress abatement program.

1. Provide cattle with a copious amount of clean water
2. Provide cattle with shade and utilize sprinklers
3. Handle cattle in the coolest part of the day
4. Feed cattle in the coolest part of the day
5. Utilize a heat stress feed additive such as Beef Abate

Beef Abate is a proprietary blend of vitamins, minerals, probiotics, essential oils, and high intensity sweetener. Collectively, these functional ingredients work together to manage the negative impacts of heat stress on cattle.

FEATURES	BENEFITS
Beef Abate Blend	Supports normal intestinal barrier function
Protected B Vitamins	Optimizes glucose synthesis
Yeast	Optimizes rumen pH and digestion
Essential Oils	Support vasodilation and water consumption
High Intensity Sweetener	Support glucose uptake

RECOMMENDED INCLUSION LEVEL

BEEF CATTLE

Feed at the rate of 10 grams (0.35 ounces) per animal per day

TRIALS WITH PMI™ BEEF ABATE

Nebraska Feedlot Field Trial

Cattle intake and mortality were measured on a Nebraska feedlot on 8 pens of similar cattle in similar locations before and during a heat event. Before the heat event, temperatures were in the 80s. During the heat stress event, temperatures increased to 97-100 °F. Results are shown below.

	Beef Abate		Control	
	Before Heat Event	During Heat Event	Before Heat Event	During Heat Event
Average DMI	22.9	19.1	22.8	16.6
Death lost, # of head	-	0	-	5

University of Arizona Heat Chamber Data

A study conducted at the University of Arizona compared cattle housed in a heated chamber to cattle in a thermoneutral chamber with or without Beef Abate in the diet for 15 days. Heat stressed cattle exhibited increased respiration rates and skin temperature. Changes in metabolic markers, including triglycerides, NEFAs, and insulin, were observed for cattle fed Beef Abate under heat stress conditions relative to cattle not fed Beef Abate. Due to a lack of research looking at the impact of metabolic markers in heat stressed beef cattle, the results of this study are difficult to interpret, and future research is required to explain what these metabolic changes mean for the health of the animal.

