

EPISODE INFO: The Dairy Nutrition Blackbelt Podcast			
TITLE 1: Dr. Danielle Sherlock: Methionine's Role in Heat Stress Ep. 24		THUMBNAIL 1: Heat Stress & Cows	
		THUMBNAIL 2: Methionine's Impact	
ACCOUNTABLE: Adriane		THUMBNAIL 3: Milk Production Boost	
EPISODE COPY	TECHNICAL REVIEW	ART CREATION	FINAL REVIEW
Done ▾	Yes ▾	In Progress ▾	Need changes ▾
NEED AUDIO/VIDEO ADJUSTMENT (CUTS)		NEED AUDIO/VIDEO REVIEW	
No ▾		No ▾	
DESCRIPTION / TEXT		SUGGESTED ARTWORK / IMAGE	
Guest name - Dr. Danielle Sherlock Host name - Dr. Bill Weiss Sponsored - Adisseo Highlight time - 1:05 (We knew...) - 1:13 (...and production) Copy with CTA: In this episode of The Dairy Nutrition Blackbelt Podcast, we welcome Dr. Danielle Sherlock, a Ruminant Science Manager at Adisseo and a distinguished researcher with extensive experience in dairy cow metabolism under stress conditions. Dr. Sherlock discusses the benefits of rumen-protected methionine during heat stress in dairy cows, based on recent research findings. This conversation is vital for anyone in the dairy industry seeking to understand and mitigate the impacts of heat stress on cow metabolism and milk production. Tune in on major platforms to explore innovative strategies for enhancing dairy cow health and productivity. Highlight quote: “We knew in transition cows that methionine has a lot of effects beyond just being used for protein synthesis and production.” - Dr. Danielle Sherlock			

What will you learn:

- Methionine under heat stress
- Study design insights
- Behavioral changes observed
- Milk composition effects
- Supplementation strategies

Meet the guest:

Dr. Danielle Sherlock is the Ruminant Science Manager at Adisseo, with a rich academic background from Ohio State University and the University of Illinois. Her Ph.D. research concentrated on the metabolism of methyl donors, particularly under conditions of heat stress and negative energy balance in dairy cows. Dr. Sherlock's work offers valuable insights into nutritional strategies that enhance dairy cow health and productivity during stress periods.

Connect with our guest on Social Media: [LinkedIn](#)

Quiz Question: True or False: Methionine supplementation showed no significant effect on milk composition during heat stress. (False)

Timestamps:

(00:00) Introduction with Dr. Bill Weiss

(00:34) Overview of Dairy Cow Metabolism Research

(03:39) Heat Stress Effects on Cows

(04:41) Behavioral Changes in Heat-Stressed Cows

(06:09) Milk Composition and Methionine

(07:16) Supplementation Strategies for Heat Stress	
(08:09) Closing Thoughts	