

Summer Success Depends on Hydration

What is Heat Stress?

Heat stress occurs when the Temperature Humidity Index (THI) reaches levels high enough to overwhelm animals' adaptive mechanisms. (See Back) Under heat stress, cattle may experience elevated body temperature, oxidative stress, increased respiration rate, disrupted feed intake, decreased milk yields, acidosis, and reproductive issues.

Keep Cows Cool with Cool-Aid+

Cool-Aid+ is a proprietary combination of key ingredients that helps cattle better regulate their body temperature during heat stress from the inside out. (Figure 1). Additionally, Cool-Aid+ NOW contains plant based compounds that help maintain antioxidant status, supporting animal health.

FIGURE 1
EFFECT OF COOL-AID
ON BODY TEMPERATURE OF COWS

The elements of Cool-Aid work at the cellular level to help cattle better regulate their body temperature during heat stress.

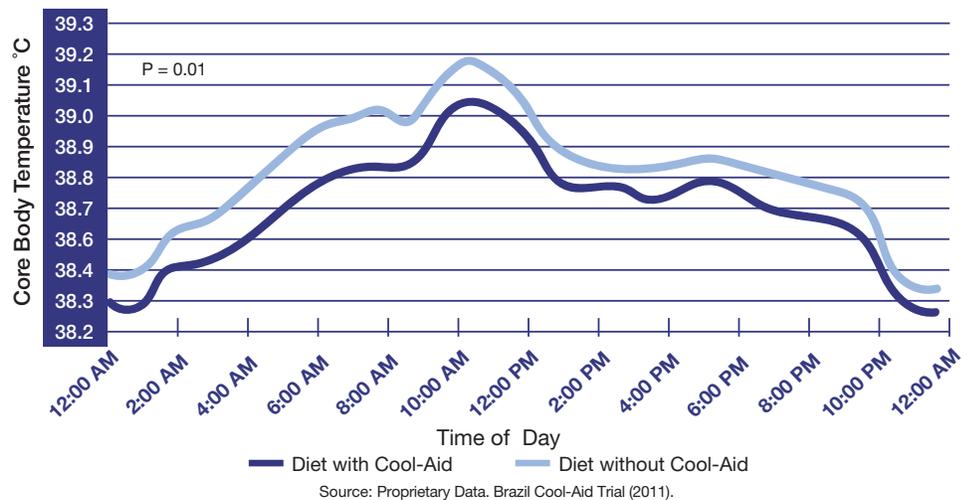
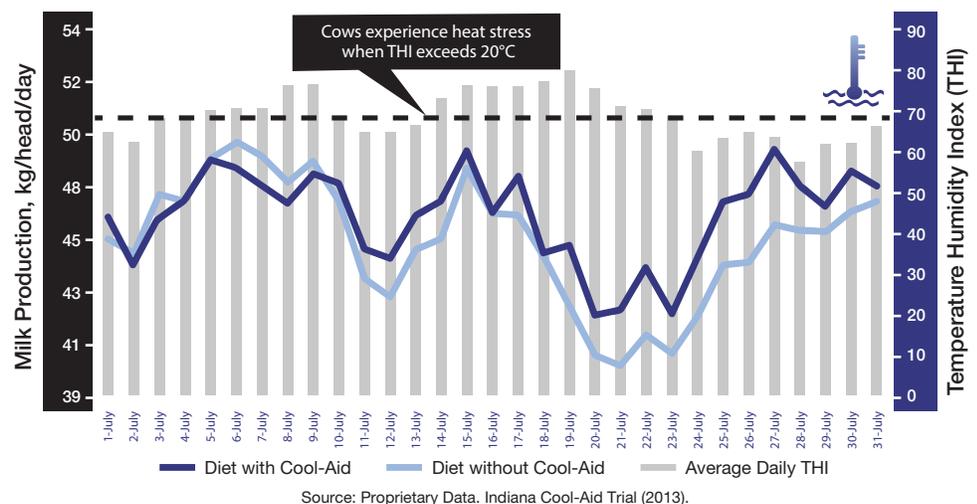
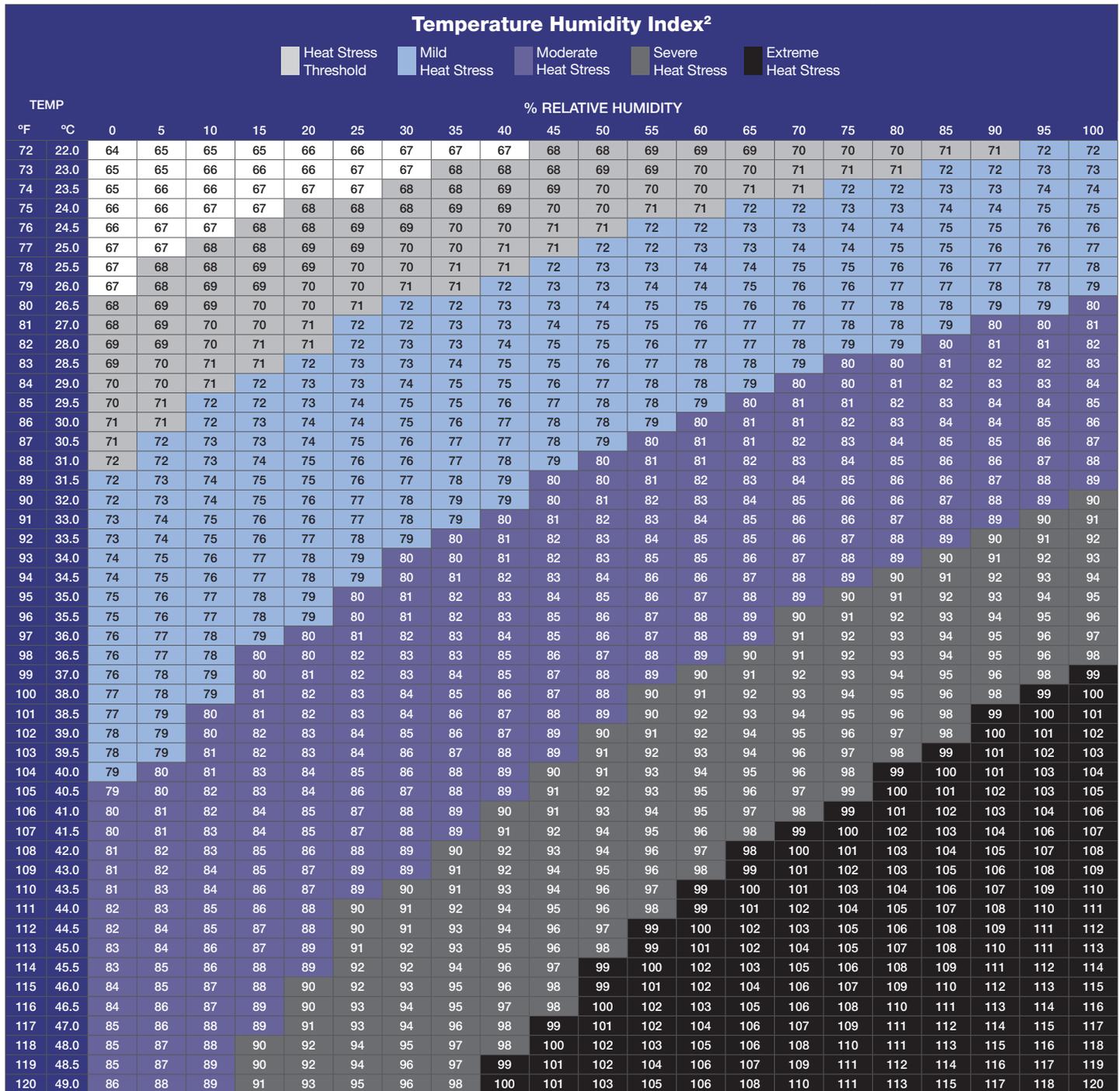


FIGURE 2
MILK PRODUCTION FOR DAIRY COWS
FED DIETS WITH & WITHOUT COOL-AID

It is estimated that, as the THI rises above 20°C, cows begin experiencing heat stress and milk production drops within 48 hours.



Cool-Aid+ should be added to the diet before conditions of heat stress exist and continued through the hot season until nighttime temperatures are consistently below the heat stress threshold.



²Chart adapted from Collier, et al., A re-evaluation of the impact of temperature humidity index (THI) and black globe temperature humidity index (BGHI) on milk production in high producing dairy cows. (2009).

Contact your local Cargill Dairy Farm Consultant to learn more about Cool-Aid+ for heat stress mitigation.

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