

Vita Plus Calf Heat Risk Scorecard



Herd Demographics		
Date: 2/24/2023	Herd Info	Calf Info
Contact: Bethany Dado-Senn bdado-senn@vitaplus.com 715-554-1634	Herd Name: Dairy Farm A Contact: Jane A Farmer Location: Amery, WI Weather Station: Menomonie, WI	Herd size: 500 Avg # of calves: 85 Housing: Outdoor indiv. (poly) Ventilation: Minimal (windows)

SEASON	Item	Value	SCORE ²
	Summer heat stress days ¹	38 days	38
	Summer temperature	69.2 °F	48
Overall season score:			43

ENVIRONMENT	Item	Value	SCORE
	Inside temperature	68.1 °F	45
	Outside temperature	67.3 °F	43
	Δinside-outside	0.79 °F	32
	Inside air speed	0.19 m/s	46
Overall environment score:			41

CALVES	Item	Value	SCORE
	Respiration rate	57 bpm	48
	Skin temperature	91.4 °F	53
	Rectal temperature	102.1 °F	23
Overall calf score:			36

TOTAL SCORE: 38.6



Interpretation Notes:

¹ Summer heat stress days = days with avg daily temperature ≥70°F. Data avg from June to August over 5 years (2017-2022) from the nearest weather station.
² Scores are assigned to each value based on expected ranges*. Scores are based out of 100 (see above scale). Category scores are weighted for the total score.
 *Dado-Senn et al. 2018, 2023 (Season, environment, calf). ² Bakony et al. 2021 (Environment)