

Table 1. Temperature–humidity indices (THI) and the number of heat stress days during the warm season (May–September) from 2020 to 2024.

THI	Heat Stress Levels	Effects on Cows	Months	Days Recorded in Madison, WI				
				2020	2021	2022	2023	2024
<68	No heat stress	Normal behavior, no impact on feed intake	May	28	25	23	29	30
			June	14	8	16	15	13
			July	1	12	7	8	8
			August	13	9	11	13	12
			September	29	26	21	23	23
			Total	85	80	78	88	86
68–72	Mild heat stress	Slight decrease in milk production	May	1	6	3	2	1
			June	13	15	8	13	13
			July	14	10	14	14	18
			August	9	11	16	12	11
			September	1	4	8	4	7
			Total	38	46	49	45	50
72–78	Moderate heat stress	Noticeable drop in milk production	May	2	0	5	0	0
			June	3	7	6	2	4
			July	16	9	10	9	5
			August	9	11	4	4	6
			September	0	0	1	3	0
			Total	30	27	26	18	15
>78	Severe heat stress	Significant drop in milk yield	May	0	0	0	0	0
			June	0	0	0	0	0
			July	0	0	0	0	0
			August	0	0	0	2	2
			September	0	0	0	0	0
			Total	0	0	0	2	2