

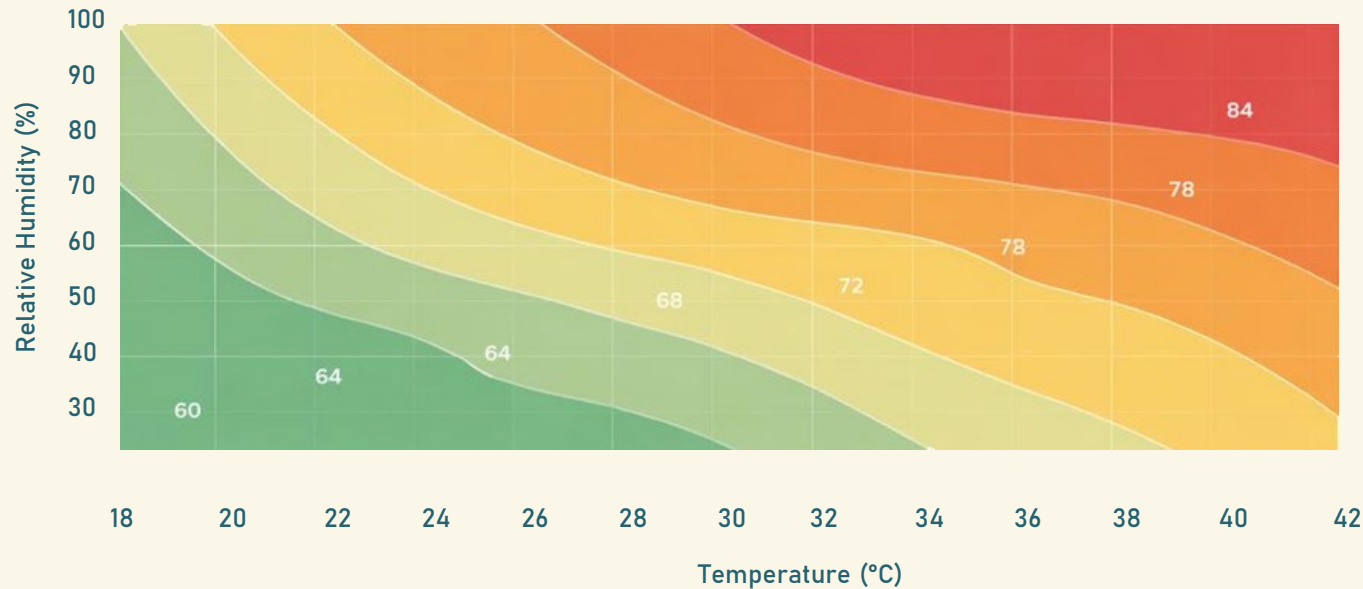
HEAT STRESS IN DAIRY COWS


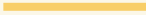


Temperature, Humidity & Impact on Milk Yield



MONTESTRUCTURA

Heat stress occurs when a combination of temperature and humidity exceeds the cow's ability to dissipate heat. As THI increase, milk production and fertility decline while health risk rise.



	<68	No Heat Stress Comfortable Optimal Performance High Milk Yield
	68 – 72	Mild Heat Stress Slight impact Milk Yield Decrease ~ 2-5%
	72 – 78	Moderate Heat Stress Reduced performance Milk Yield Decrease ~ 5-15%
	>78	Severe Heat Stress High Risk Milk Yield Decrease ~ 15%



Temperature
Increase THI significantly



Humidity
Greatly reduced the cow's
ability to cool down



THI
Leads to lower feed intake,
lower milk yield and higher
health risks