A wide variety of minerals play an important role in helping cows combat heat stress. The cow’s requirements for sodium, potassium and phosphorus increase during heat stress, as these minerals are lost through sweating and panting.

FIGURE 2  What determines the severity of heat stress?

FIGURE 3  Management Tips

FIGURE 4  How do cows respond to heat stress?

Milk Production?

Decreased:

• Decreased Feed Intake
• Decreased Milk Production
• Decreased Fertility
• Reduced DHI Test

Increased:

• Increased Body Temperature
• Increased Respiratory Rate
• Increased Glucose Levels
• Increased Insulin Levels

What About Reproduction?

Increased:

• Increased Oestrus Intensity
• Increased Pregnancy Rates

Decreased:

• Decreased Oestrus Intensity
• Decreased Pregnancy Rates

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