# NEWSLETTER

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# **TOP NEWS**

- 7 WAYS TO BATTLE HEAT STRESS.
- EMPLOYEE ANNIVERSARIES.
- HOW MUCH MINERAL DO YOU NEED TO FEED?
- WE ARE YOUR LOCAL PRIMO DEALER.
- MEET THE SALES TEAM.

## 7 Ways to Battle Heat Stress Tara Bina - Countryside Feed Formulation Specialist



We may not be experiencing severe summer heat here in Kansas just yet, but severe heat spells have come earlier than expected the past several years. Regardless of what species of livestock you produce, it is important to remember that our animals experience heat stress at much lower temperatures than we do. As a rule of thumb, heat stress mitigation strategies should be implemented when nighttime temperatures consistently stay above 70 degrees F. Now is a great time to start planning how you will help your livestock through short term or extended heat stress.

#### Below are heat stress mitigation strategies to consider:

#### 1. Water

Access to fresh, clean drinking water is crucial for cattle under heat stress. Well hydrated animals have an increased ability to fight heat stress. Ensure pens have enough waterer space for the number of animals in the pen. Cleaning waterers often to ensure water available is fresh and palatable is also a good practice.

#### 2. Feeding Schedule

Hot temperatures and heat stress commonly cause reduced feed intake. One way to combat this effect is to adjust feeding schedules. Feeding a higher percentage of the daily ration at night allows livestock to eat when temperatures cool off.

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How Much Mineral?		total number of bags needed for the period	
NUMBER OF COWS	NUMBER OF DAYS		
	30 DAYS	60 DAYS	90 DAYS
25	4	8	11
50	8	15	23
75	11	23	34
100	15	30	45
125	19	38	56
150	23	45	68
175	26	53	79
200	30	60	90
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#### 3. Air Movement

There are few things that are more miserable than dealing with hot, stagnant air. When possible, move animals to pens with higher natural air movement. Air flow can be improved by building higher mounds, moving animals to pens that are naturally on higher ground, removing wind breaks when possible, etc.

#### 4. Shade

The summer sun can be relentless. Putting up shade tarps is one way to offer some relief to livestock, and has been reported to reduce temperatures 15 - 20 degrees F.

#### 5. Bedding

Dark dirt surfaces can absorb a lot of heat. Applying bedding to pens can reduce surface heat and keep animals more comfortable.

#### 6. Reduce Activity

Avoid moving or working livestock in the heat of the day. Treating and hauling animals is recommended to be done before 10 am in the summer months.

#### 7. Consider Feed Additives

- Ration preservers: Propionic acid-based products, such as calcium propionate, can be added to rations to reduce growth of yeasts and molds, keeping feed fresh and extending bunk life.
- Electrolytes: Electrolytes are a good first step in helping cattle combat heat stress. These substances promote hydration by aiding in water absorption across tissues.
- Vasodilators: These feed additives help cattle increase "open up" blood vessels and increase blood flow to their extremities allowing heat to escape.
- Osmolytes: This group of compounds encourage water intake and absorption, allowing cattle to maintain hydration at the cellular level.

Heat stress is a serious concern in the summer months. Contact your Countryside Feed sales representative to discuss options for combating heat stress in your livestock!

### **Contact Your Sales Representative About Our Mineral Program**

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