**This video from K-State Research and Extension is available online at www.ksre.k-state.edu/news/stories/2022/11/video-cattle-heat-stress-research.html**

**Note to online editors:** A direct link to the video is at https://youtu.be/CqXThYQygNg

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**Video: K-State researchers outline findings of study on cattle heat stress**

*K-State Research and Extension news service*

In this video from K-State Research and Extension, beef extension specialist and veterinarian A.J. Tarpoff discusses the findings of a two-year study outlining the potential benefits of shade and limit-feeding in reducing heat stress in cattle.

“Heat stress is a big factor that cattle producers all over the state battle year in and year out during the summer months,” Tarpoff said.

K-State researchers found that coupling shade and offering a highly digestible ration -- called limit feeding -- can increase average daily gain in feeder cattle at stocker age (approximately 500 to 700 pounds) up to 7%. The study also found that feed efficiency increases in these animals by a score of 4.

“What that means is that the animals are utilizing more of the energy that we are delivering to them, making the entire system more sustainable,” Tarpoff said.

Researchers also looked at water consumption when cattle were provided additional shade and a limit-fed diet, and found that each animal’s water needs decreased by about one gallon per day – potentially thousands of dollars in water savings, according to Tarpoff.

“If you’re contemplating utilizing shade or changing your feeding practices in the summer months to improve your efficiencies and well-being of the animals, keep in mind that not only are we improving performance and reducing inputs – such as water and feed – we are also increasing cattle comfort,” he said.

*K-State Research and Extension video produced by Dan Donnert*
K-State Research and Extension is a short name for the Kansas State University Agricultural Experiment Station and Cooperative Extension Service, a program designed to generate and distribute useful knowledge for the well-being of Kansans. Supported by county, state, federal and private funds, the program has county extension offices, experiment fields, area extension offices and regional research centers statewide. Its headquarters is on the K-State campus in Manhattan. For more information, visit www.ksre.ksu.edu. K-State Research and Extension is an equal opportunity provider and employer.

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