

County Agent for Agriculture and Natural **Hesources** 

ERIC BAKER

and the extent of physical levels of the compounds, plants containing high damage caused by frost. conditions are present, plant, whether drought or more factors including in a plant depends on one amount of the compound damage to the plant. The and sorghum/sudangrass When an animal eats the size and variety of the that are released with frost producing compounds hybrids contain cyanidejohnsongrass, sudangrass, Certain plants, such as poisoning after a frost potential of prussic acid need to beware of the livestock cool weather appearing producers

## Livestock owners: Prussic acid caution

interferes with oxygen Prussic acid

which

upper stems, especially young high in prussic acid. Wait at least 7 days after prussic acid. Never graze high concentrations of shoots often contain more prussic acid than 2) Leaves produce much the cyanide to dissipate; a killing frost to allow or frost is dangerously growth following drought brown (dry). New forage until well after the entire dangerous because the developed several tips plant and new shoots are be released. Do not graze allowing prussic acid to plant cells actually rupture poisoning in livestock: 1) to reduce prussic acid Specialists and Ruminant killed and have turned Frost/freezing is especially Veterinarian University of Kentucky leaves. Forage New have

> following acid for several weeks can also increase prussic to have more prussic and potassium) tend consumed. Do not graze at prussic acid Herbicides such as 2,4 D reduce the risk of toxicity nitrogen applications will acid potential. Splitting (and low in phosphorus in high nitrogen soil weeks after a non-killing 5) Do not graze until 2 compounds in the leaves; plant to mature favors the and the inability of the because slowed growth night when frost is likely; reducing the amount frost; 6) Plants grown chance for prussic acid 4) Drought increases the formation of cyanogenic may application; therefore contain neutralizes any prussic similar to prussic acid very short, or overgrazing especially during drought fallen limbs. always check pastures for wilted or not. After storms leaves whether they are access to wild cherry compounds. Do not allow acid; and 10) Wild cherry the hay curing process acid poisoning because hay, it is safe from prussic sorghum-sudangrass for persist even in hay; 9) If poisoning. Nitrates can intake of nitrate and signs conditions. Nitrate tends leaves contain the cyanide the lower stem bases (the so that cattle have to eat lower stem, so cutting hay to accumulate in the you cut Johnson grass or "stubble") can cause more

sudan grass hybrids also if extremely high before have the potential for before feeding; 8) Johnson analyze suspect forages cutting. If in doubt, prussic acid may remain properly cured. However plants high in prussic acid will reduce toxin levels if 7) Chopping or ensiling levels of sorghumethnic origin, national origin, creed, religion, not or social status and will regardless of economic Service serve all people the basis of race, color, Cooperative Extension contact the Estill County programs 723-4557. For more information, discriminate on Educational office at of Extension

cross plants less than 15

sorghums or sorghum-

dangerous

prussic acid poisoning

or grain before allowing

3) Feed hungry cattle hay potential for poisoning; to significantly reduce the inches tall ("knee high")

grass and

them to graze forages

nitrate

accumulation,

political belief, sex,

Heart of

America

marital status, genetic status, or physical or information, age, veteran expressions, pregnancy, gender identity, gender mental disability. sexual orientation,

9 a.m. and the program Registration begins at Extension office, Central Red Mile Road (behind at the Fayette County for Monday, October 21st Conference is scheduled Conference is Oct. 21 The 2019 Kentucky Beef Kentucky Beef Equipment).

feeding. disease during drought, animal drought, water will cover cattle marketing feeding options for winter update, and confinement trends, nutrition during strategies and market This year's conference traceability issues

is 723-4557. Our office phone number and refreshments. You cost of a buffet lunch food will be prepared. October 18th so enough per person to please register with us by will pay at the door but Registration is cover

eventbrite.com online at the following details. the Extension office for Registration can be paid https://2019hoa. or call

and pasture ecologist.

and systems research and speaker, author, scientist soil-animal interactions many aspects of plantoutreach while on the public lands across five on both private and Grazing. Jim is a gifted the basic principles of foundation for many of His research encompassed Missouri-Forage Systems 22 years of beef-forage continents. He conducted providing services to grazing lands consultant "Kicking the Hay habit County). The theme is Burlington, KY (Boone Grazing Conference Management-Intensive Research Center (FSRC) faculty of the University of farmers and ranchers Jim Gerrish, independent Optimizing Profitability." is October 30th Grazing Conference The Heart of America The keynote speaker is provided

runs 10 a.m. to 3 p.m.