



March 2020

University of Georgia

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Mineral Supplements for Beef Cattle (condensed)

Special points of interest:

- Mineral Supplements...
- Soil Temps for Planting
- Upcoming Events

Vidalia Onions for pre-sale in the Upson and Lamar Extension Offices!

10lbs for \$10

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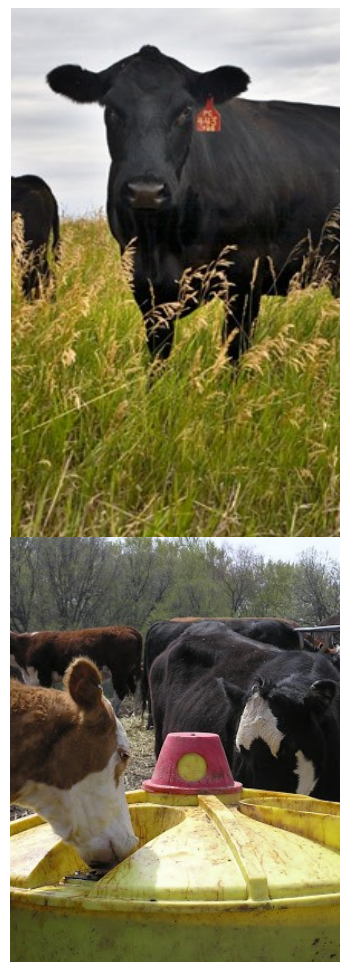
Controlling intake at the desired level is very challenging because mineral intake fluctuates. Monitor mineral intake for several weeks prior to implementing management practices to alter mineral intake. If mineral intake is too high or low, move the mineral feeder either closer to or farther away from the water source and loafing areas. When cattle are over-consuming mineral, salt is often added to reduce the amount of minerals cattle eat. Salt level has a significant impact on mineral intake and is easily changed to control intake; however, you must account for the additional salt when determining the correct intake. For example, if a mineral with a recommended feeding rate of 4 ounces per day is mixed in a 50:50 ratio with plain white salt, the cattle should consume 8 ounces per day. This would supply the cattle with the targeted amount of 4 ounces of mineral plus 4 ounces of added salt. When under-consumption is a problem, try adding dried molasses or change brands to a more palatable mineral. In addition, keep in mind that calves can consume significant amounts of mineral and this should be considered before decreasing the feeding level.

If mineral intake is inadequate, try adding a palatable feedstuff to the mix. Feeds such as cottonseed meal, soybean meal, dry

molasses and distillers grains can improve mineral intake. Moving the mineral feeder closer to the water source can improve intake. In addition, changing mineral brands will sometimes provide a mineral that is more palatable.

Regularly monitor mineral consumption by keeping a record of animal numbers and feeding amounts to combat potential mineral intake problems.

Mineral and vitamin nutrition is vital to overall herd health and reproductive efficiency. Calcium, phosphorus and salt are most likely to be the most limiting macrominerals in cattle diets. Magnesium may be a problem during late winter or early spring, especially in mature lactating cows. Secondary mineral deficiencies are an increasing concern because of increasing sulfur concentrations in home-grown feeds. A clear diagnosis of a mineral deficiency should be established before making drastic changes in a management or mineral program. Vitamins A, D and E are the only vitamins that may be deficient in beef cattle diets. Controlling daily intake is a constant challenge, but several management strategies can be used to ensure proper daily intake of minerals and vitamins.



For more information see publications titled "Mineral Supplements for Beef Cattle" located at the following link.

<https://extension.uga.edu/publications/detail.html?number=B895>

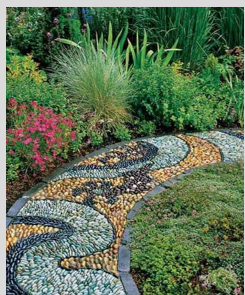
Written By: Lawton Stewart
UGA Beef Specialist
Athens, Georgia



Greenhouse Planting
at the Griffin Campus
3/2/2020

“Man -
Despite his
artistic
pretensions,
his
sophistication
, and his many
accomplishme
nts – owes his
existence to a
six inch layer
of topsoil and
the fact that it
rains.

—Unknown



Checkout our upcoming LNL over stone walkways in the landscape

Soil Temps for Planting

It is that time of year again, time to start thinking about what vegetables you are wanting to plant for the spring season. The first two factors to take into account are 1. What type of plants do you want? and 2. When do you need to plant?

The extension service will always suggest taking a soil sample to see what nutrients levels and pH your soil is already setting at prior to planting. Next, depending on what type of plant, the optimal soil temperature is very important to determine when you should start to get transplants or seeds in the ground.

We have already started planting tomatoes, eggplant, and peppers in the greenhouse, getting ready for transplanting when the soils warm up.

Here is a list of the optimal temperature ranges for some of the most popular plants:

<i>Corn</i>	60-95°F
<i>Cucumber</i>	60-95°F
<i>Eggplant</i>	75-95°F
<i>Pepper</i>	65-95°F
<i>Squash</i>	70-95°F
<i>Tomato</i>	60-85°F

The University of Georgia has multiple weather stations around the state that

are taking daily tests of not only outside temperature, but also soil temperature, soil moisture, etc. As of Monday March 9, 2020 at 2:29pm the Dempsey Research Farm (closest station to our area, Spalding County) is reading 65.8 °F outside temperature; and soil temperatures at 2 inches of 60.5 °F, 4 inches 55.7 °F, and 8 inches 51.3 °F. You can find this information at the following URL address:

[http://
www.georgiaweather.net/
index.php?
con-
tent=calculator&variable=C
&site=DEMPSEY](http://www.georgiaweather.net/index.php?content=calculator&variable=C&site=DEMPSEY)

Upcoming Events

MGCA Membership Meeting
March 12, 2020. The Mid-Georgia Cattlemen's Membership Meeting will be held in Pike County at 7pm. Please don't forget to RSVP on the MGCA website.

<http://MGCAonline.com>

Beef Cattle 101 March 19, 2020 3p-5:30p. At this program we will discuss Herd Health presented by, UGA Extension Veterinarian, Dr. Lee Jones. Cost \$15. Please RSVP by March 13, 2020 to the NRCS Office.

(770)358-0787 ext3

Lunch 'N Learn (LNL)
March 30, 2020. The topic of this LNL will be Stone Walkways in the Landscape, presented by Carmen Westerfield, NRCS District Conservationist. Location is Barnesville-Lamar County Library. Cost is \$10. Please RSVP to the Lamar Extension Office by March 27, 2020.

(770)358-5163

Advanced Grazing School

April 14, 2020 8a-5p. This program will start out in Forsyth at the clubhouse. We will have UGA Extension Specialists and NRCS Professionals here to discuss many important forage topics. (PESTICIDE/BQA CREDIT) You can all the Upson/Lamar/Monroe extension offices to register or visit the Georgia Forages website.

www.georgiaforages.com

(706)647-8989

(770)358-5163

or

(478)994-7014

Fencing Field Day

April 15, 2020 8a-5p. This program will be out at County Line Farms' Lake House. We will have UGA Extension Specialists and NRCS Professionals here to discuss many important fencing topics, as well as some demonstrations. (BQA CREDIT) You can all the Upson/Lamar/

Monroe extension offices to register or visit the Georgia Forages website.

www.georgiaforages.com

(706)647-8989

(770)358-5163

or

(478)994-7014

Beef Cattle 101 April 16, 2020 3p-5:30p. At this program we will discuss Cattle Evaluation presented by, UGA Beef Specialist, Jason Duggin. Cost \$15. Please RSVP by April 10, 2020 to the NRCS Office.

(770)358-0787 ext3

Lunch 'N Learn (LNL)
April 27, 2020. The topic of this LNL will be a cooking demonstration by Cindee Sweda, Spalding CEC/FACS Agent. Location is Upson County Extension Office. Cost is \$10. Please RSVP to the Upson Extension Office by April 24, 2020.

(706)647-8989

March 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 Feral Swine Workshop (Spalding)	4 Soil & Forage Lab Tour (Athens)	5	6	7
8	9	10	11	12 MGCA Membership (Pike)	13	14
15	16	17	18	19 Beef Cattle 101 (Lamar)	20	21
22	23	24	25	26	27	28
29	30 LNL 10:30a-12:30p (Lamar)	31				

April 2020

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14 Adv Grazing School (Monroe)	15 Fencing Field Day (Lamar)	16 Beef Cattle 101 (Upson)	17	18
19	20	21	22	23	24	25
26	27 LNL 10:30a-12:30p (Upson)	28	29	30		

Upson/Lamar Extension
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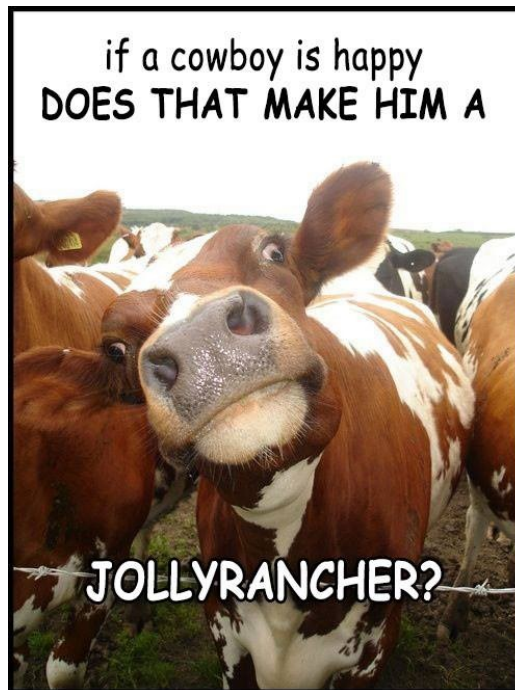
What is UGA Extension?

Through county offices throughout the state, University of Georgia Cooperative Extension offers reliable information and programs in the areas of agriculture, food, families, the environment and 4-H youth development. Let us help you learn, grow and do more!

<http://extension.uga.edu/county-offices/upson.html>
or
<http://extension.uga.edu/county-offices/lamar.html>

Follow us on Facebook!!! <https://www.facebook.com/upsonlamarextension/>

AG Comic of the Month



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