

EXTENSION NOTES



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Better Pastures Equals Healthier Herds

Rotational stocking, often referred to as rotational grazing, is a powerful technique that can bring a range of benefits to all types of livestock as well as the land. By dividing large pastures into smaller paddocks and moving animals through them on a planned schedule, farmers can give each grazed area a rest period, allowing for regrowth of leaf area lost to grazing and replenishment of stored carbohydrates that were utilized to fuel regrowth. When producers shift from continuous grazing to a rotational system, they often see dramatic improvements in pasture productivity, soil health and even animal behavior.

One of the primary advantages of rotational grazing is enhanced pasture productivity. When animals graze one paddock at a time and then move on, the plants in the grazed paddock have a chance to rebound. During this rest period, forage plants can restore their carbohydrate reserves and recover more completely from being grazed. This not only boosts the quantity of forage available over time but also maintains better and more consistent nutritional quality. In contrast, continuous grazing—where livestock stay in the same pasture all season—often leads to overgrazing, weaker plants that are more susceptible to stresses and progressively lower yields.

Improved nutrient distribution is another significant plus. Rotating animals means they spread manure evenly around the paddocks rather than depositing it heavily in just a few favorite areas (like watering or resting spots). Because manure is a natural fertilizer, more uniform distribution helps replenish the soil and encourages consistent plant growth. A continuous grazing system, on the other hand, may result in “hot spots” of manure accumulation. This concentrated nutrient load can negatively impact both plant growth and the environment around those areas.

A well-managed rotational grazing system also offers increased drought tolerance. With planned rest periods, plants develop deeper, stronger root systems. These robust roots allow the plants to access water further below the surface, which can be crucial during dry spells. In a continuously grazed pasture, plants rarely get the downtime they need to fully recover, leaving them more vulnerable to stress when rainfall is scarce. As a result, fields under rotational management often grow longer into drought periods and recover faster when conditions improve.

Another practical benefit of rotational stocking is easier animal handling. When paddocks are set up with well-designed lanes and strategically placed water sources, moving livestock becomes more straightforward. In addition, more frequent contact with animals allows livestock to associate human interaction with something positive...fresh grass. This greatly reduces the stress and chaos commonly associated with animal handling in open pastures. Properly placed lanes can also help control erosion, ensuring that foot traffic and machinery movement do not damage sensitive areas of the pasture.

Rotational stocking can be a game-changer for anyone looking to optimize pasture health and livestock performance. By giving plants time to recover, distributing nutrients more evenly, building drought resilience and streamlining animal handling, rotational grazing can deliver long-lasting improvements to farm operations. Whether you're raising cattle, sheep, goats or other grazing animals, this strategy can help you optimize productivity and at the same time protect land and water resources for future generations.

Contact your local Carter County Extension office for more information on how to maintain healthy pastures. Educational programs of the Cooperative Extension Service serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expressions, pregnancy, marital status, genetic information, age, veteran status, or physical or mental disability.

Upcoming Events:

- **Eden Shale Farm Tour** – April 25th
- Little Sandy Beekeepers Association - May 6 @ 6:30; Topic- Honey Bee Aggression: A Drink From The Magic Well