Greetings CARMers!

Let's Recap!

Pasture Stats:
- Sandy Soils
- Cool Season Grass Dominated
- Vegetation Threshold 550 pounds/acre
Soil Moisture Distribution

Current Soil Moisture
2019-06-17

What's in our cup?
We're sitting between 15-20% in Saltflat.
Available Forage in Saltflat

854 lbs/acre
3.6 cm

IMPORTANT POINT!
Between the sun and rain, the grass is outgrowing the grazing rate of our cattle. We should see some interesting gains over the next week.

On the ground

- Blue grama
- Western Wheat
- Needle and Thread
- Forb
- Prickly Pear
- Carex
- Alkali Sacaton
- Sand Dropseed
- Six-weeks Fescue
- Squirrel Tail
- Sub-shrub

NOTE: This graph reflects the species recorded during the VOR measurement, represented as a percent of total species recorded.

Cowboy Report

Pasture Day 8

Simply put, they’re fat & happy.
Remote Walk-Over-Weighing

Weekly Herd Average

CARM is hanging in there with the moderately stocked pastures.
What is LTGI? A research effort monitoring the effects of historical, season-long grazing across different stocking rates.

Current Herd Average

- Light: 718 pounds
- Moderate: 708 pounds
- Heavy: 710 pounds

Acres/AUM

- Light: 14.80
- Moderate: 11.44
- Heavy: 7.21

LTGI Average Daily Gains

- June 13th
  - Light: 4.3 lbs/hd/day
  - Moderate: 3.8 lbs/hd/day
  - Heavy: 3.7 lbs/hd/day
Outsourcing!
Photo Credit: Matt Mortenson

Digestible Organic Matter (%DOM)

<table>
<thead>
<tr>
<th></th>
<th>May 24</th>
<th>May 30</th>
<th>Jun 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>HQ</td>
<td>64.94%</td>
<td>68.85%</td>
<td>68.36%</td>
</tr>
<tr>
<td>Elm</td>
<td>68.39%</td>
<td>68.36%</td>
<td>67.62%</td>
</tr>
</tbody>
</table>

Crude Protein (%CP)

<table>
<thead>
<tr>
<th></th>
<th>May 24</th>
<th>May 30</th>
<th>Jun 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>HQ</td>
<td>8.43%</td>
<td>11.78%</td>
<td>11.63%</td>
</tr>
<tr>
<td>Elm</td>
<td>13.14%</td>
<td>11.47%</td>
<td></td>
</tr>
</tbody>
</table>
Tech Note:
- CARM vegetation sampling is almost done, the field crew is doing an awesome job!
<table>
<thead>
<tr>
<th>Pasture</th>
<th>What we wanted to happen</th>
<th>Date In</th>
<th>Date Out</th>
<th>Trigger Used</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headquarters</td>
<td>Shoot for 14 days</td>
<td>17-May</td>
<td>29-May</td>
<td>VOR</td>
<td>Cold wet spring, less growth</td>
</tr>
<tr>
<td>Elm</td>
<td>Shoot for 14 days, more cool seasons-wt gains</td>
<td>29-May</td>
<td>12-Jun</td>
<td>Max Days</td>
<td></td>
</tr>
<tr>
<td>Saltflat</td>
<td>More mixed sp. Composition-wt gains</td>
<td></td>
<td>12-Jun</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Highway</td>
<td>Gain potential</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hilltank</td>
<td>MCLO</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crossroads</td>
<td>MCLO</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>South</td>
<td>MCLO, but will be grazed later to miss Four-wing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Snowfence</td>
<td>Gains, last 14 days</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ridgeline</td>
<td>Rest for GHSP, grassbank</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nighthawk</td>
<td>Rest increase gain here by resting C3, and because it is not a MCLO pasture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Up Coming!

- July 1-3 - CARM weighed, CAREX Steers, Rumen Sampling, & Collar Swap.
- July 17th - CARM Summer Tour
On behalf of the USDA-ARS Rangeland Resources & Systems Research Unit, I thank you all for your continued participation in this project.

Happy Trails!

For detailed precipitation data, maps, last year's updates, Scientist bios, and CARM documents, see our website:

ALL access data!