

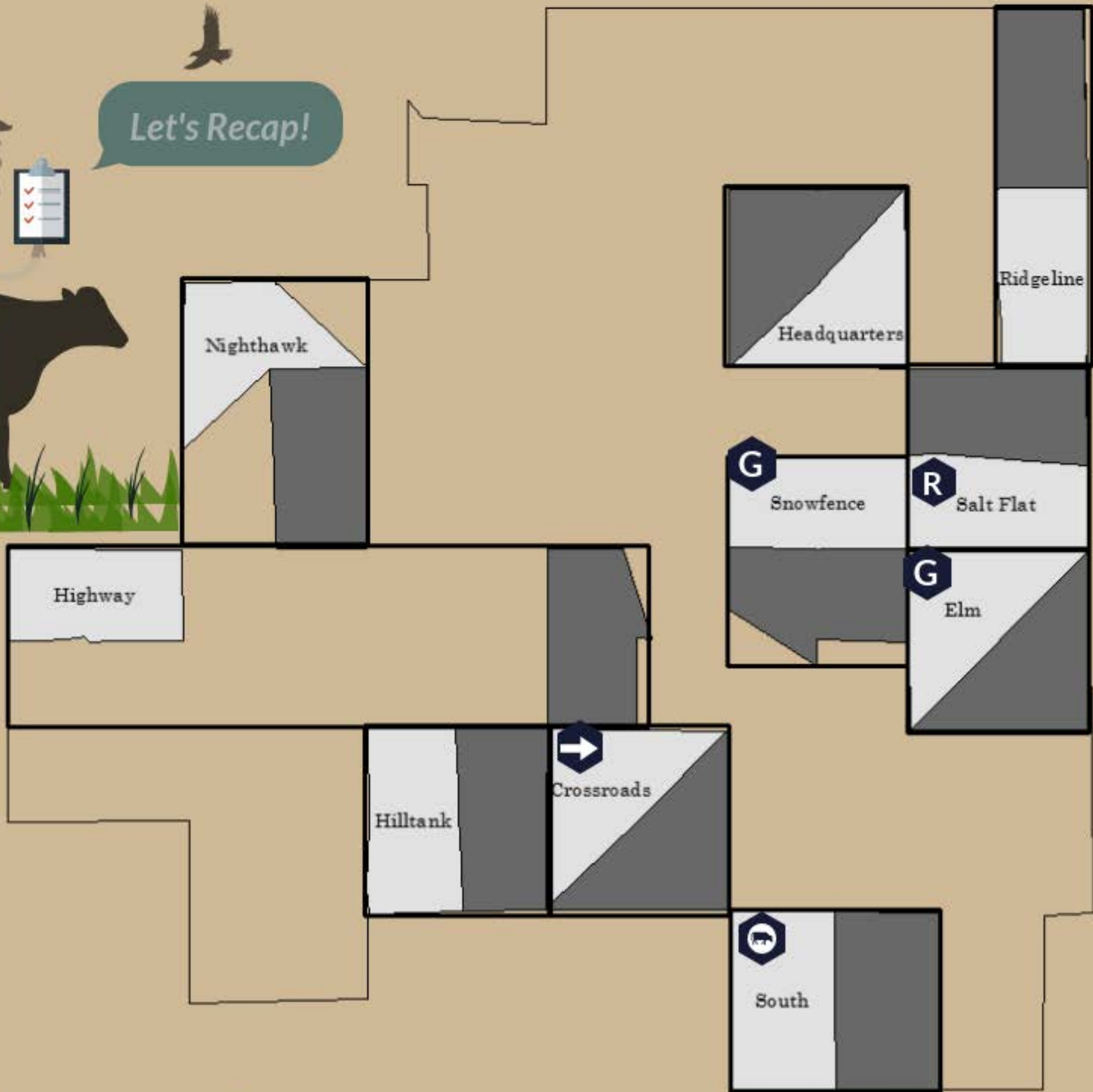


Don't forge Data Day is coming up.

June 27th - Bring a friend!



Let's Recap!



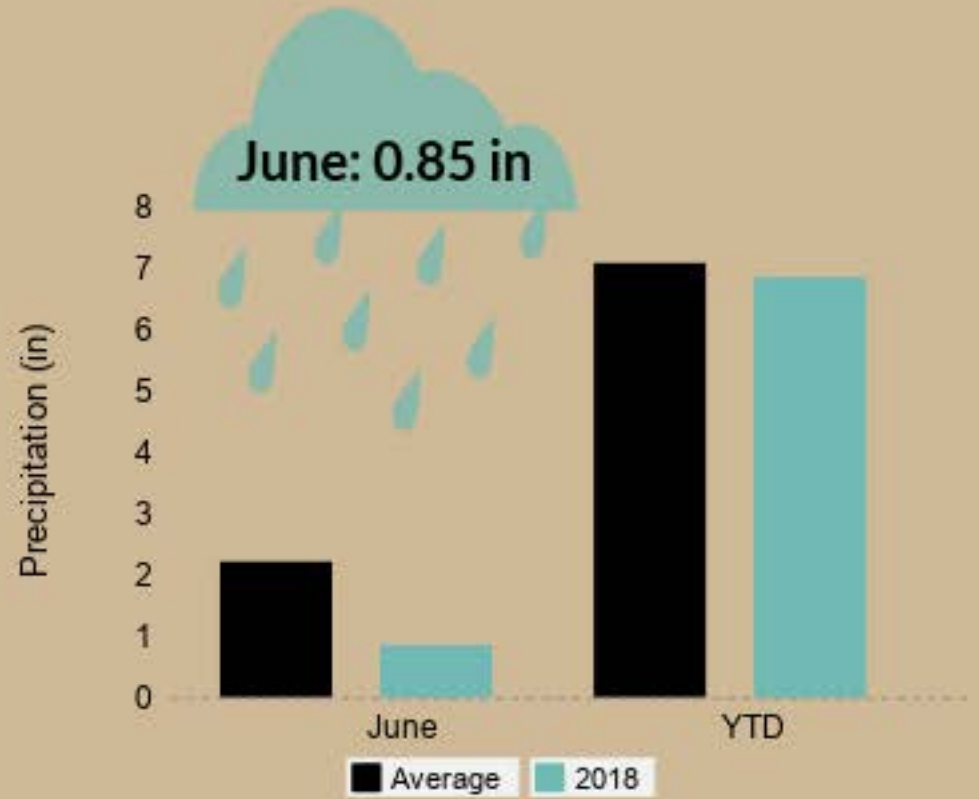
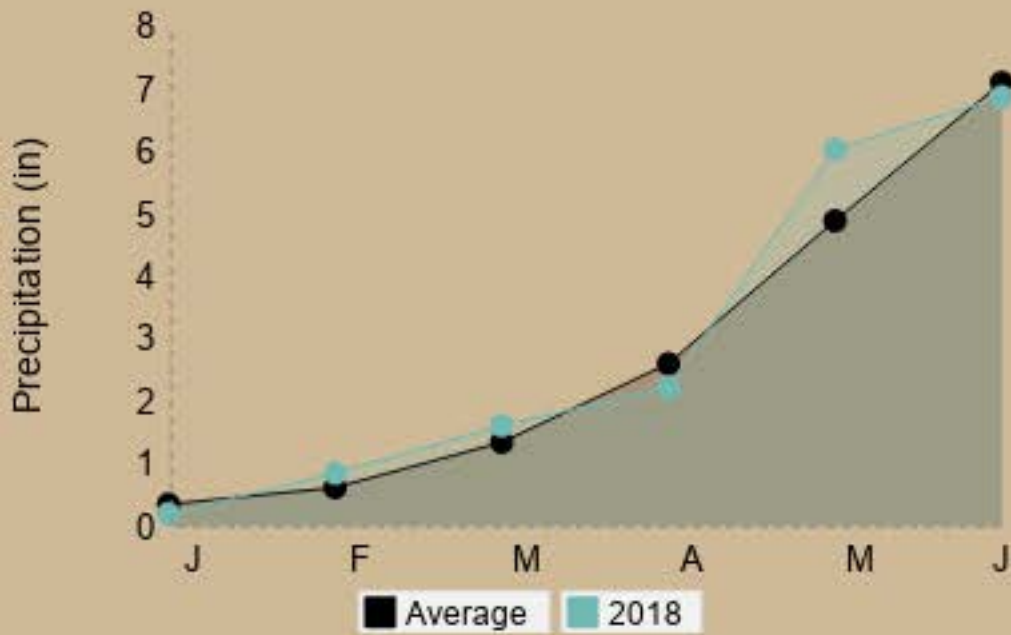
- Herd
- Next
- Grazed
- Rest

South Stats:

- Loamy/Sandy Mix Soils
- Mix Cool & Warm Season
- Veg. Threshold 500lbs/acre
- Grazed 1 week in 2017

Highlights of Happenings

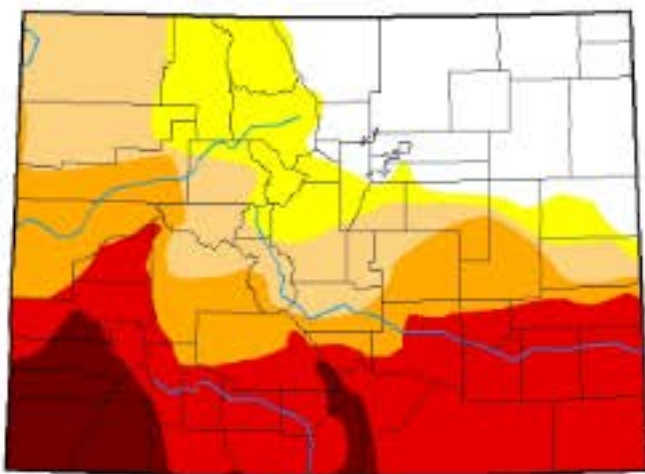
Rainfall Totals



Grass-Cast

U.S. Drought Monitor Colorado

June 12, 2018
(Released Thursday, Jun. 14, 2018)
Valid 8 a.m. EDT



Intensity:

- 00 Abnormally Dry
- 01 Moderate Drought
- 02 Severe Drought
- 03 Extreme Drought
- 04 Exceptional Drought

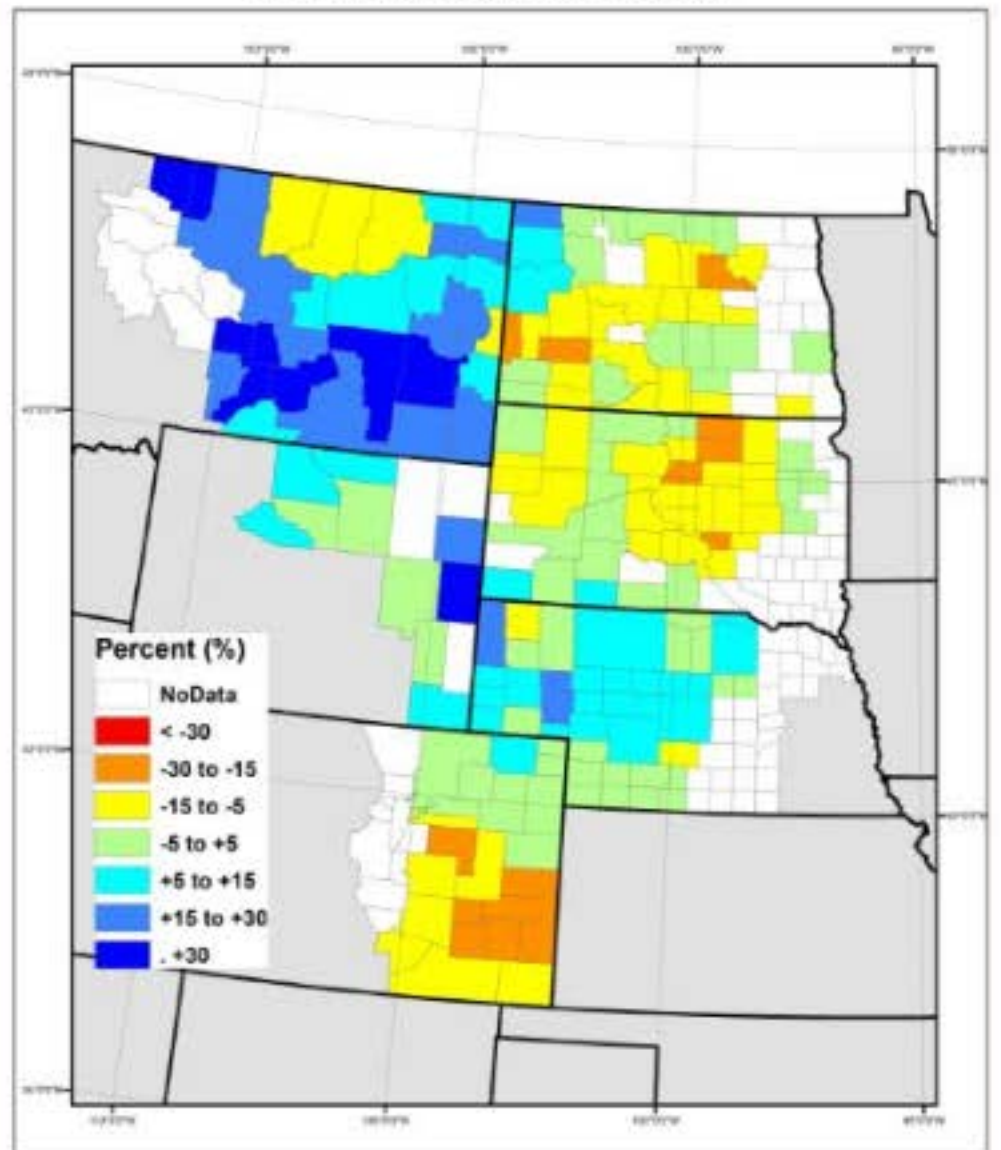
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text for more information on drought statements.

Author:
Brian Peters
National Drought Mitigation Center

Logos for USDA, NWS, and other agencies.

<http://droughtmonitor.unl.edu/>

Percent Change in 2018 Predicted ANPP Compared to 1982-2015 Mean ANPP Assuming Normal June-July Precipitation



Data are from 6/4/2018

Scale bar and north arrow.

Dataset Name: 2018_Pct_Change_ANPP_South_Southwest_20180604

Drought Monitor

Grass-Cast



Rainfall Distribution

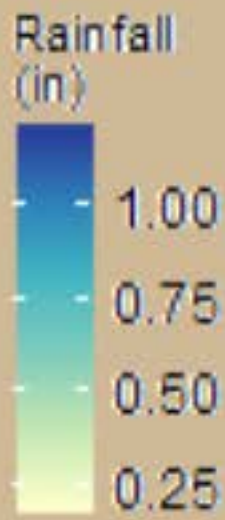
The rain (or lack there of) in June was really starting to worry me.

However, it appears Crossroads will be ready for the next move (June 28th - 21 day trigger).

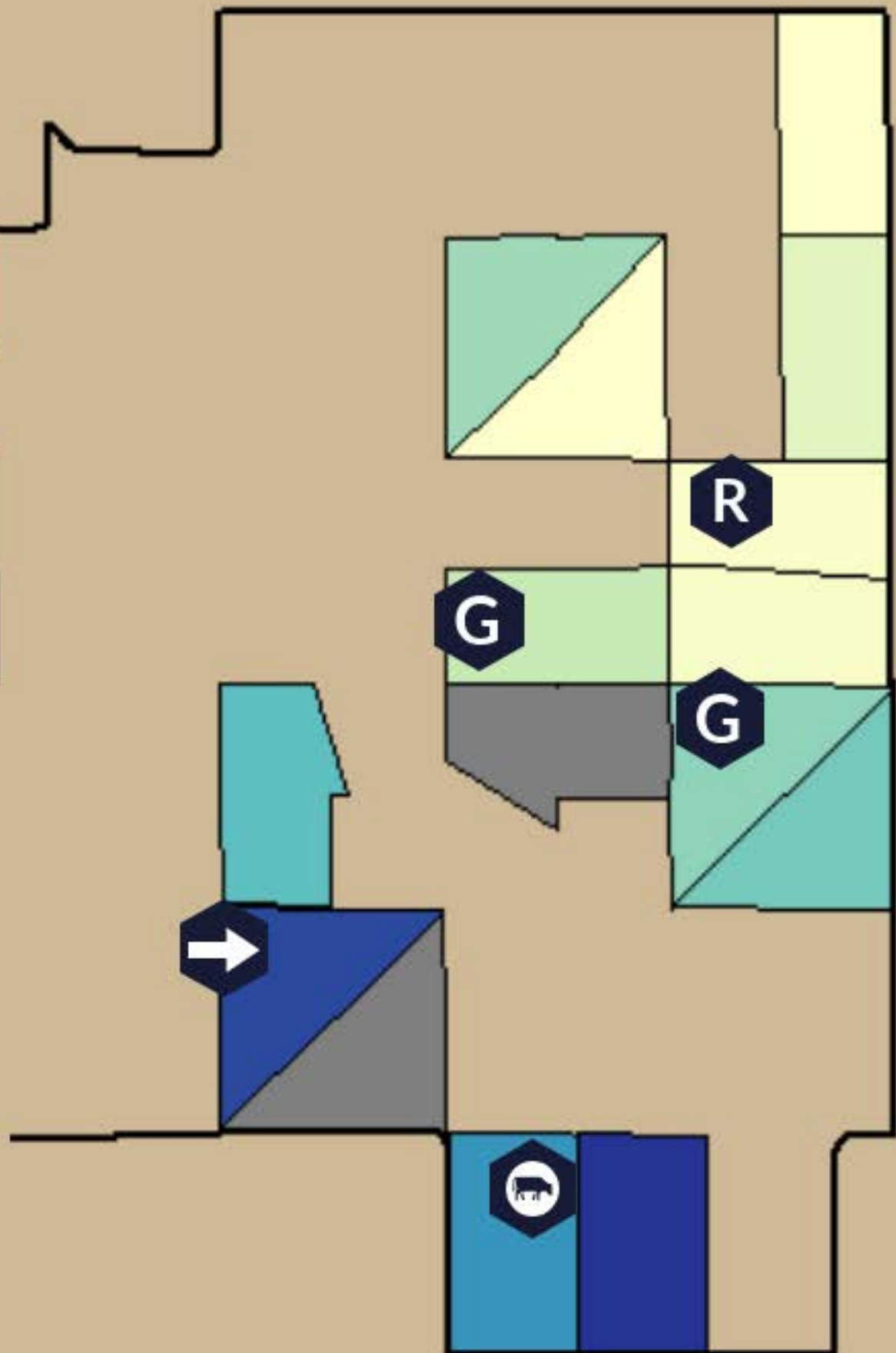
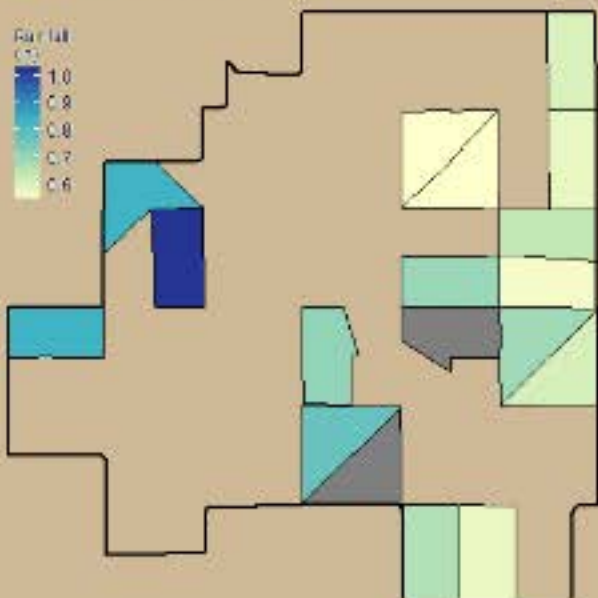
Crossroads received over an inch in the last two weeks.

Total Rainfall

2018-06-03 to 2018-06-17



May 20th - June 3rd



Soil Moisture Distribution

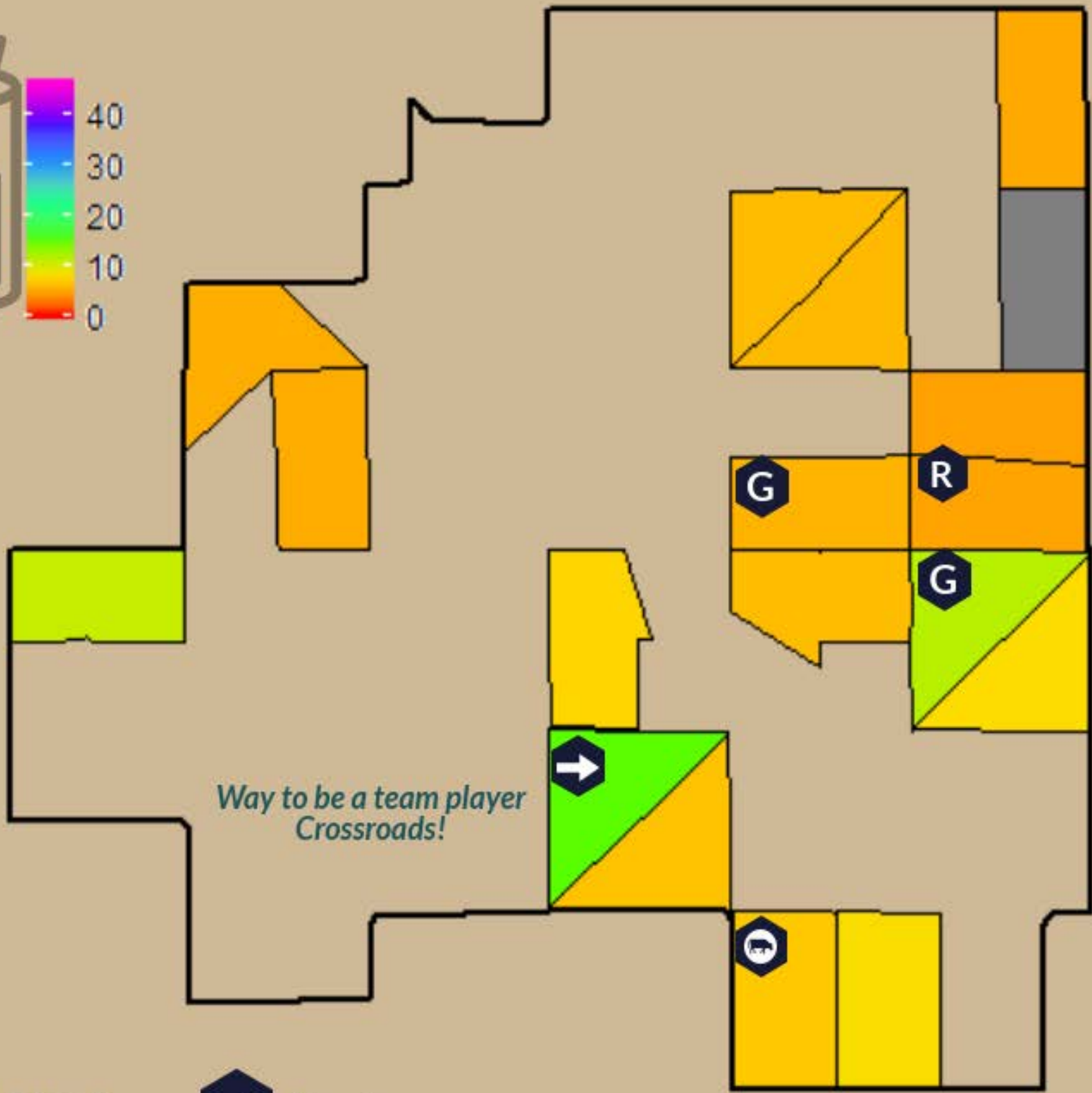
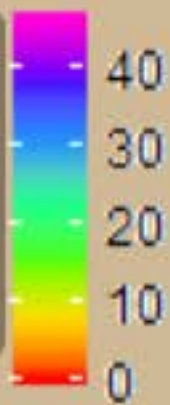
What's in our cup?

Not a whole lot, actually...

Will be interesting to see how much of the recent rains will refill our cup.

Current Soil Moisture

2018-06-17



Herd



Next



Grazed



Rest

We're bringing this to your attention, because we've had an interesting drop in greenness (we're as brown as winter right now).

Although it may be brown, it is not time to panic, this severe drop in color (later correlated to biomass) is due to the dominance of six weeks fescue early this year.

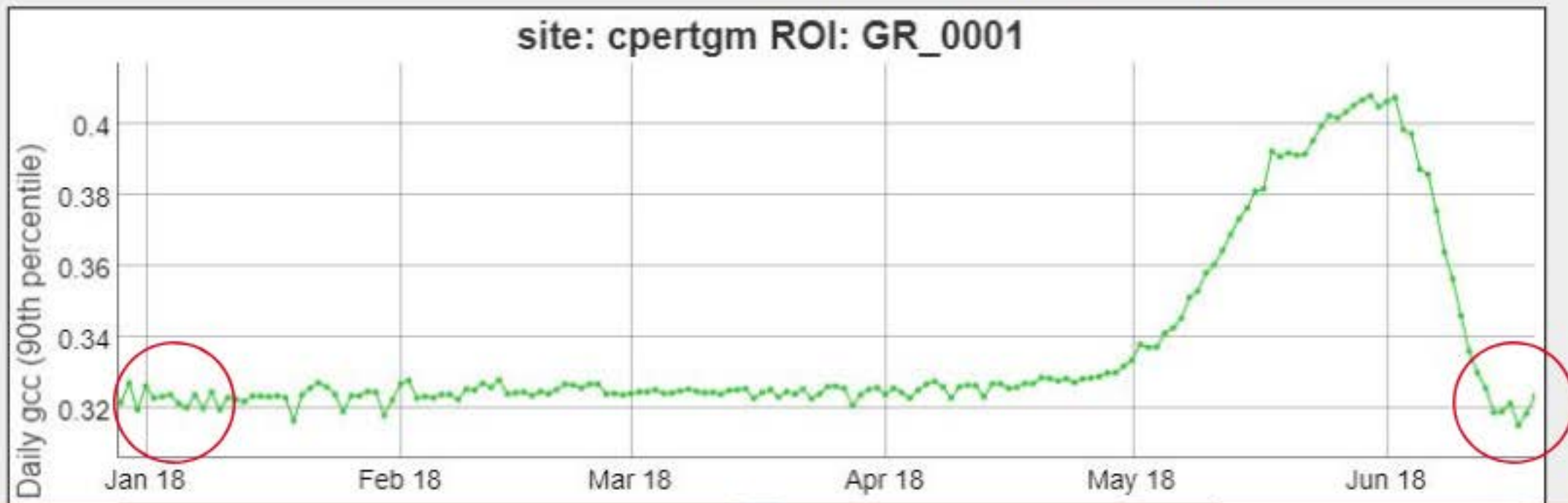
We anticipate there being a "green-up" once Blue Grama kicks into gear.

June 2nd, 2018

June 20th, 2018



gcc (green chromatic coordinate) timeseries plot



Explore CPER
Phenocams

Available Forage



NOTE: Empty (E) is set at our pasture threshold of 400 lbs/acre NOT Zero lbs/acre.



Western Wheat is growing great.

Scoop on Poop

I received a great question last week.

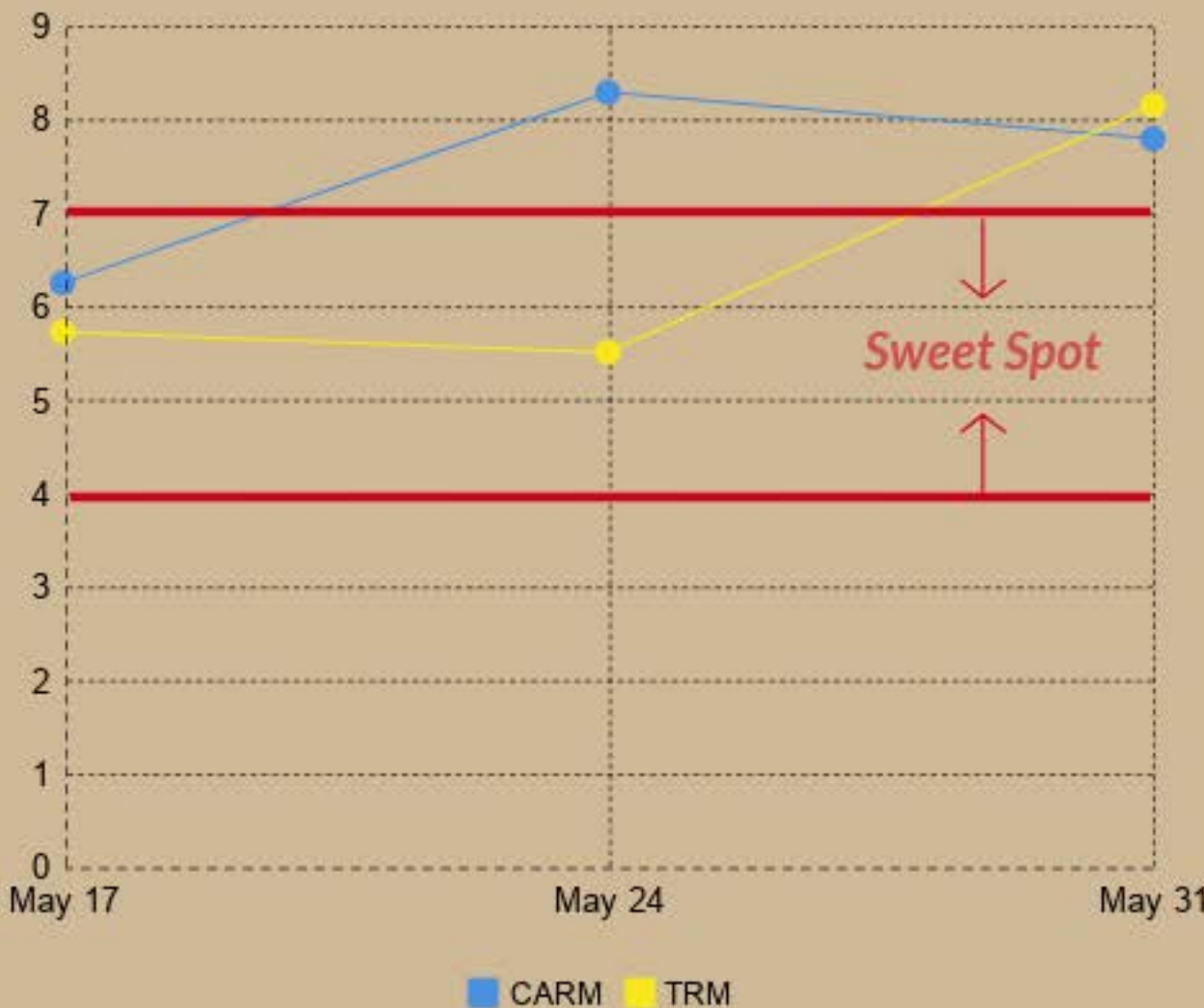
What was driving the strong ADG response in the CARM herd?

Most likely a result of stakeholder management decisions (utilizing - Elm and Snowfence - which had prior patch burns and a large component of cool-season grasses).

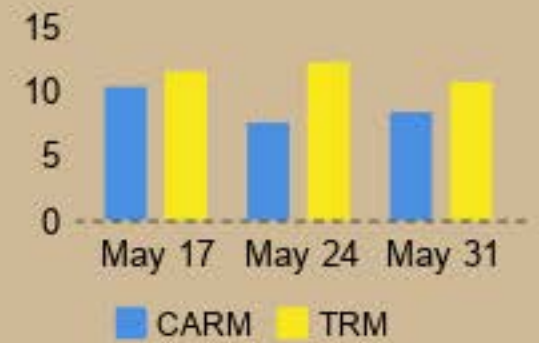
However, as the season progresses, it becomes harder to hang in this sweet spot as forage matures. The stocking density effect is more apparent in the livestock gains.

I anticipate a wider gap in ADG between CARM and TRM as we dry out.

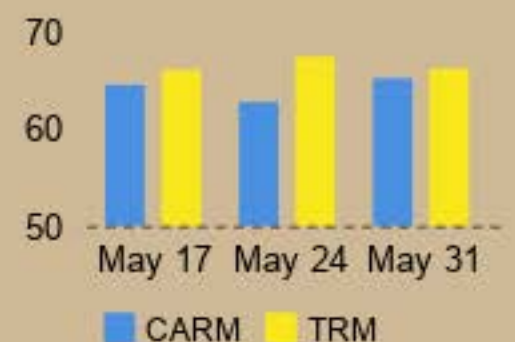
DOM:CP Ratio



Crude Protein (%)



Digestible Organic Matter (%)





Tech Note:

- The bird crew captured some great predator footage on a nest.
Spoiler Alert a happy ending for the swift fox.

This week



Last week



Cowboy Report

We noticed a few struggling to use the scale in South, so we opened the corral gates to alleviate the extra stress during this heat.

Pasture Day
12



Other than that they look quite happy in South.



Desktop
Field View

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!