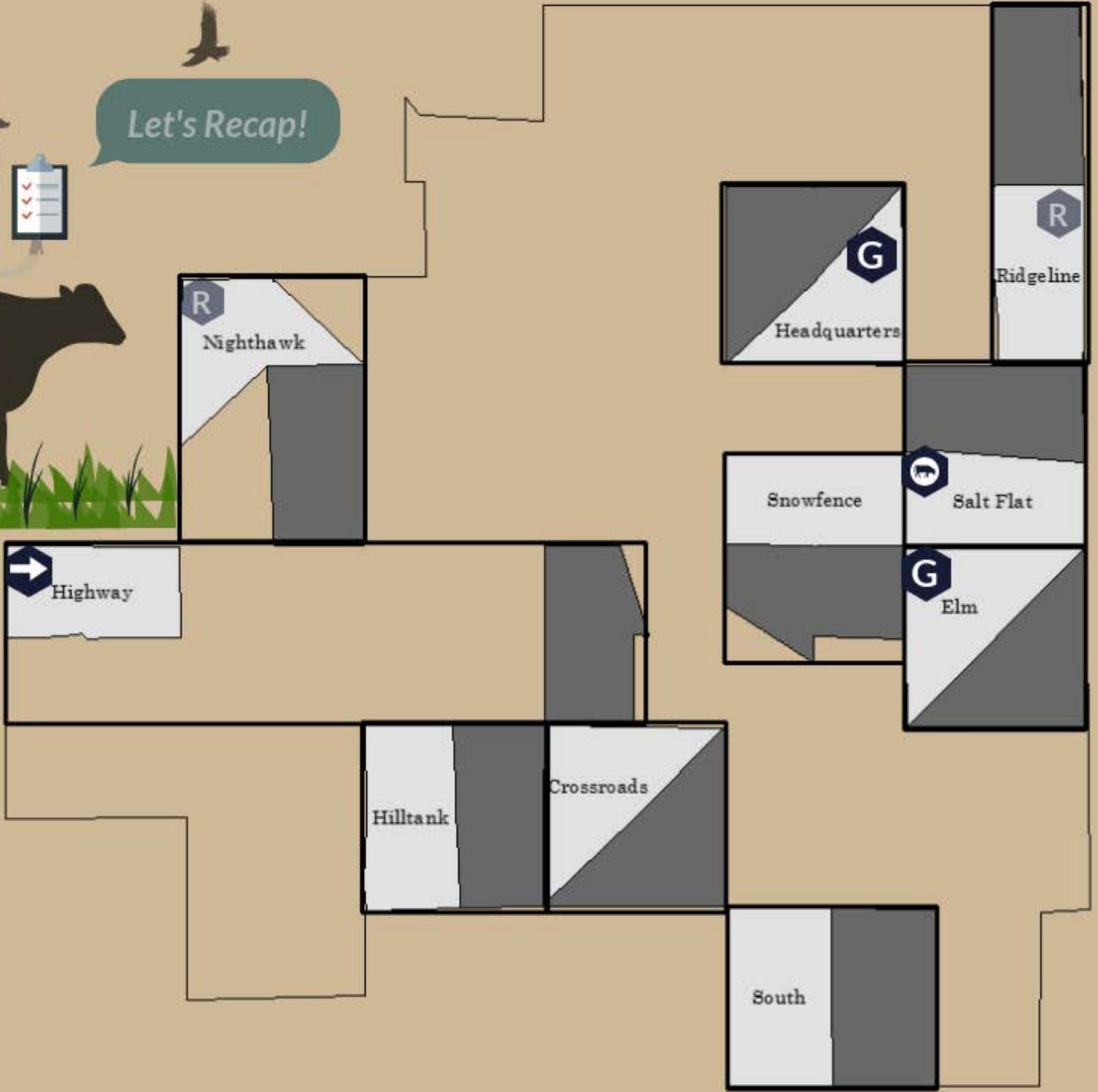




Greetings CARMers!



Let's Recap!



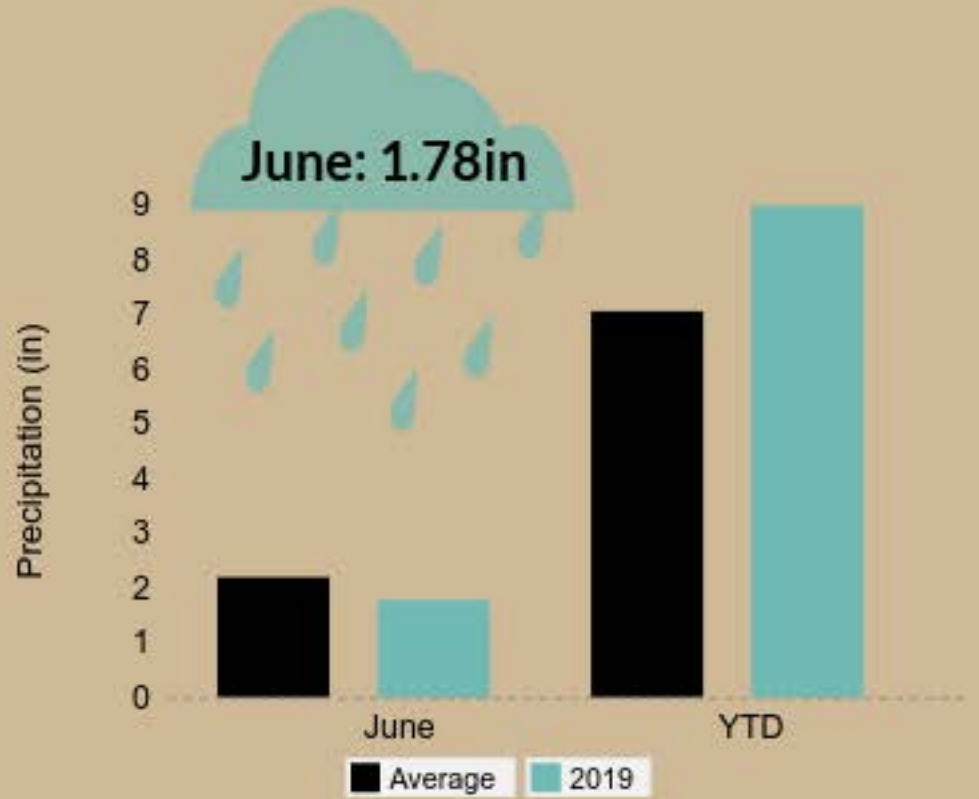
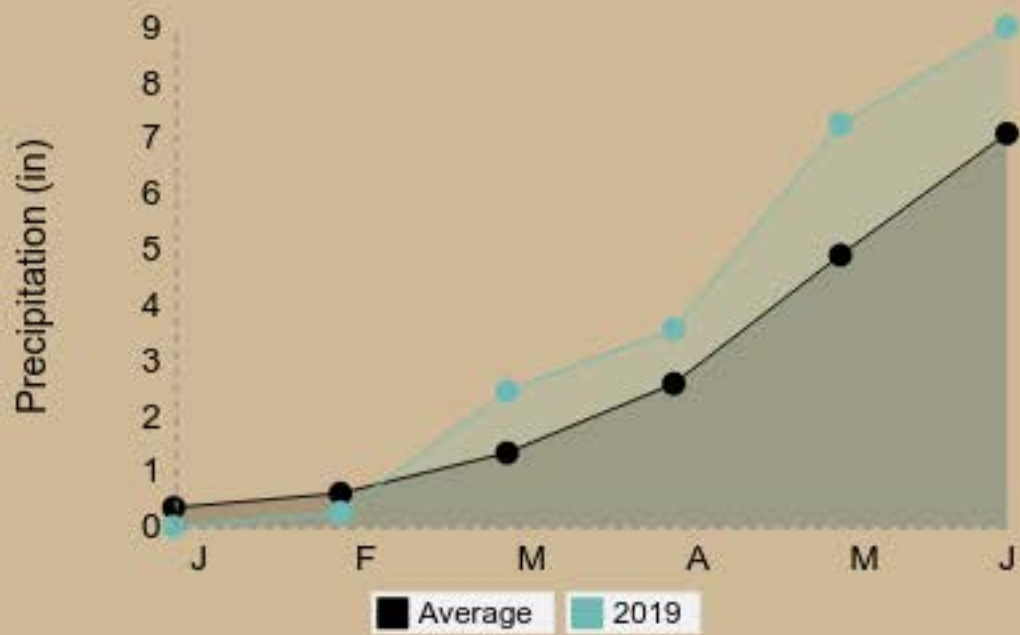
Pasture Stats:

- Herd
- Next
- Grazed
- Rest

- Sandy Soils
- Cool Season Grass Dominated
- Vegetation Threshold 550 pounds/acre

# Highlights of Happenings

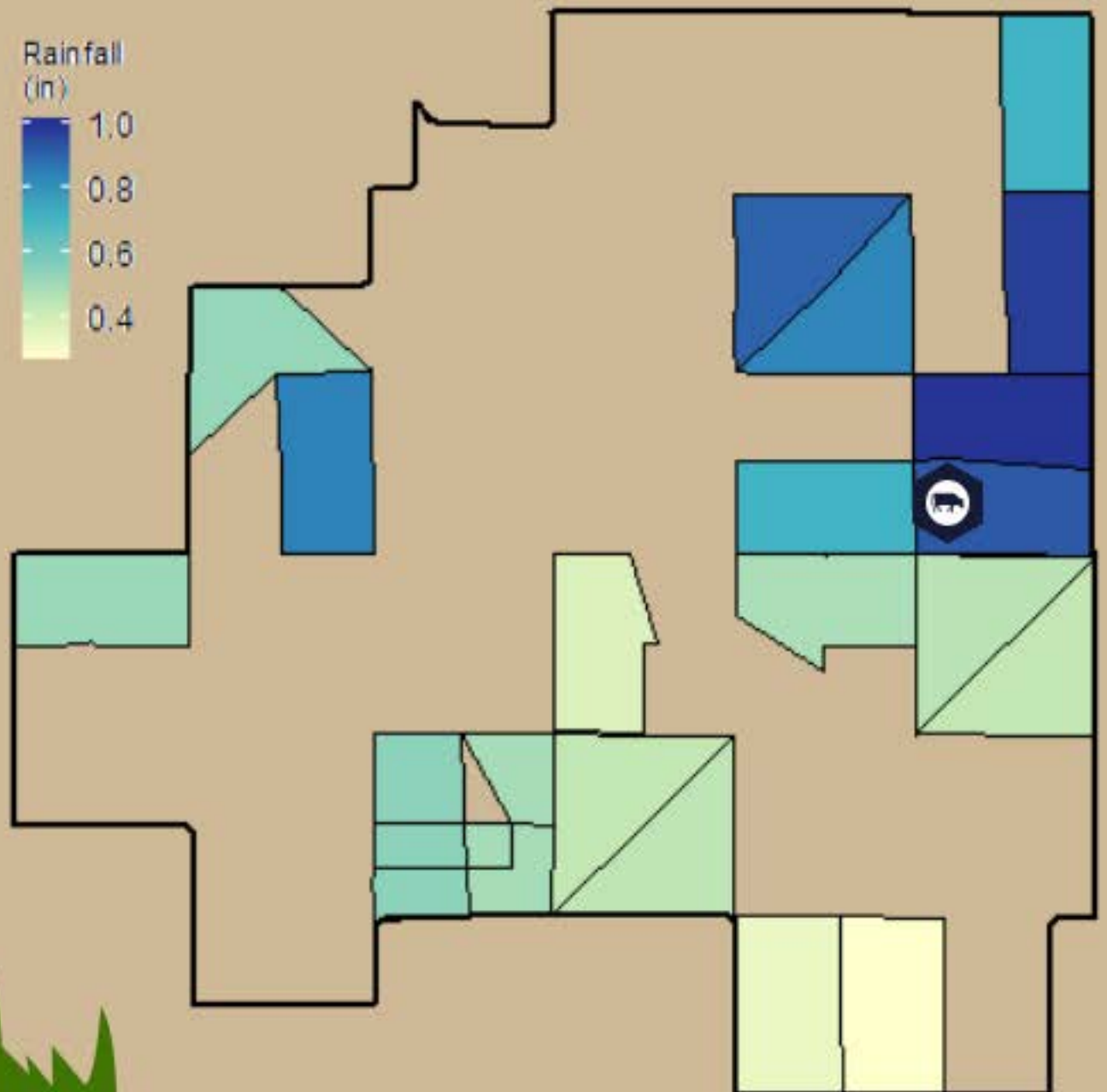
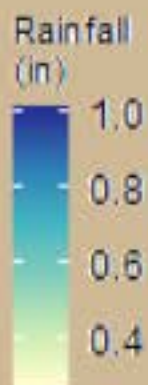
## Rainfall Totals



## Total Rainfall

2019-06-10 to 2019-06-17

## Rainfall Distribution



Drought Monitor

Grass-Cast



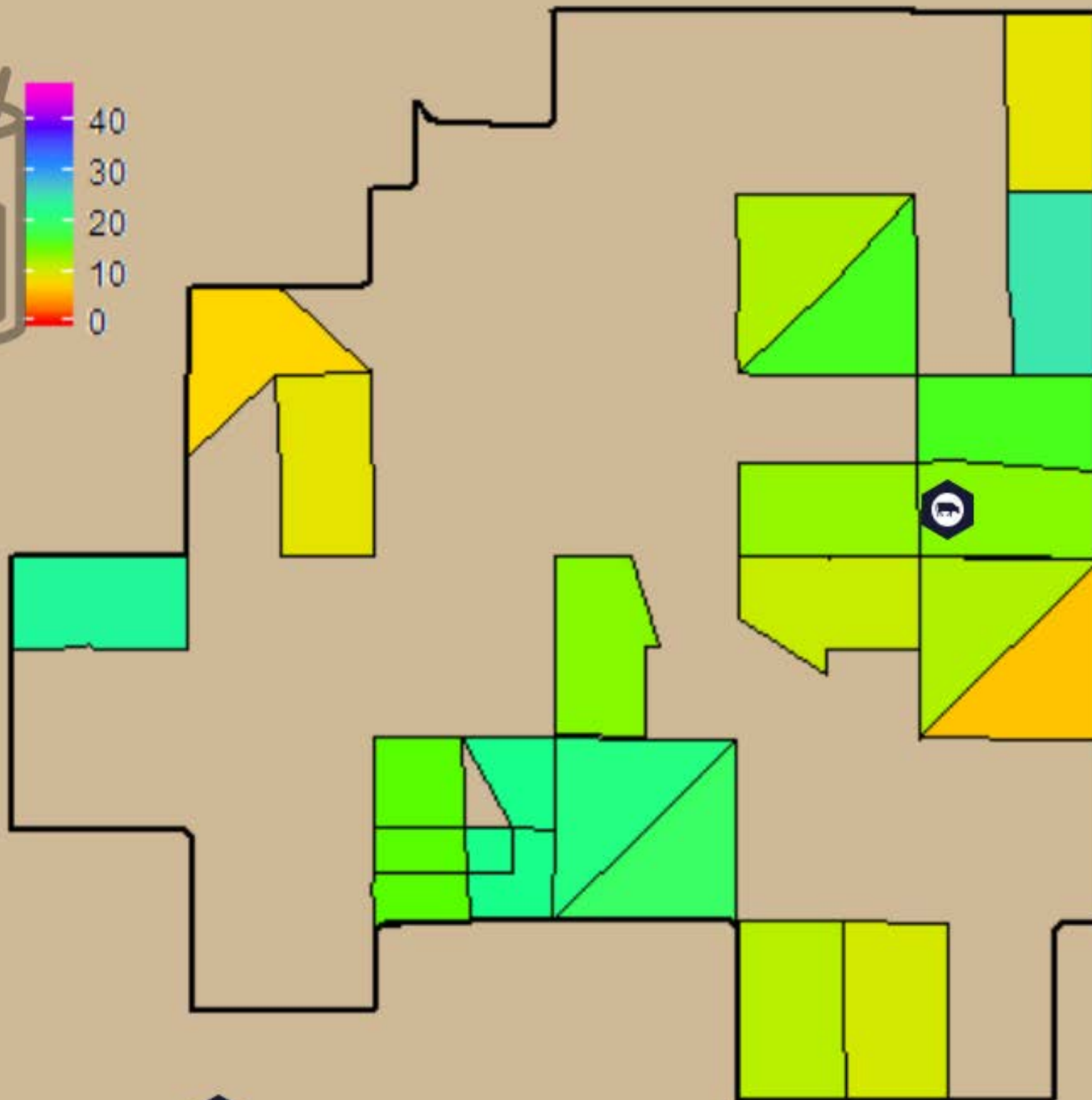
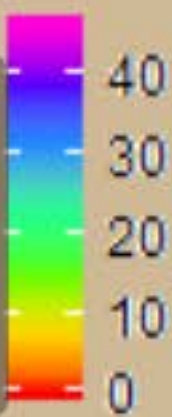
# Soil Moisture Distribution

## What's in our cup?

We're sitting between 15-20% in Saltflat.

### Current Soil Moisture

2019-06-17



Herd



Next



Grazed



Rest

## Available Forage in Saltflat



NOTE: Empty (E) is set at 550 lbs/acre



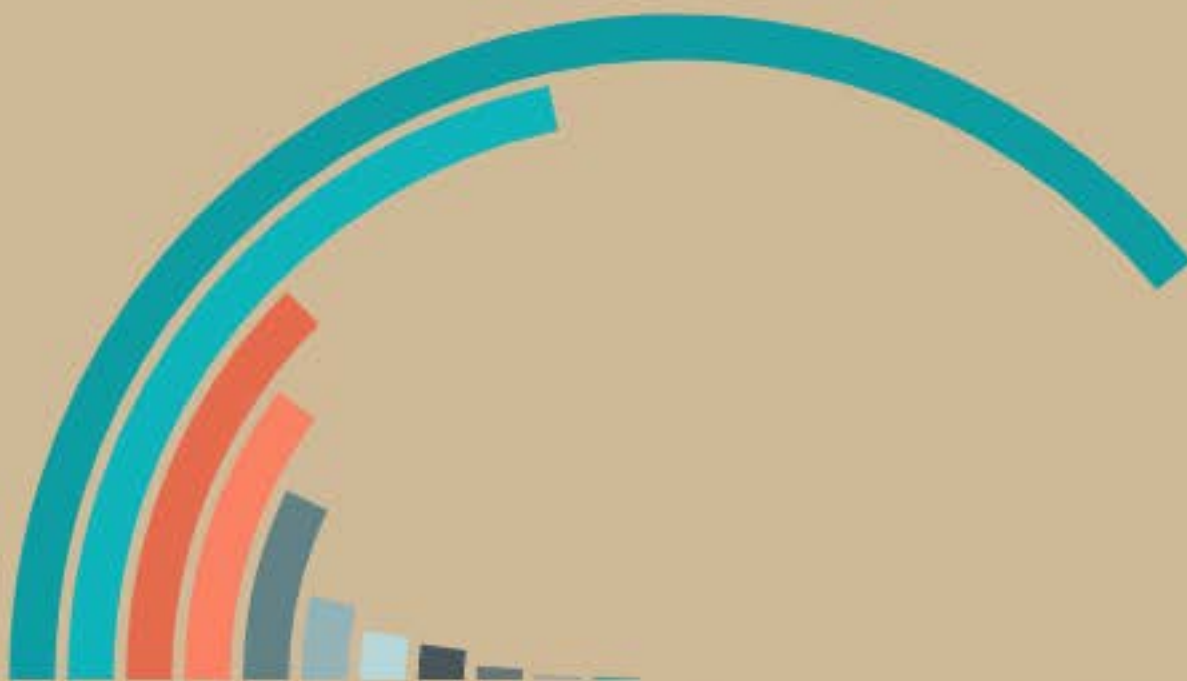
### IMPORTANT POINT!

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



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

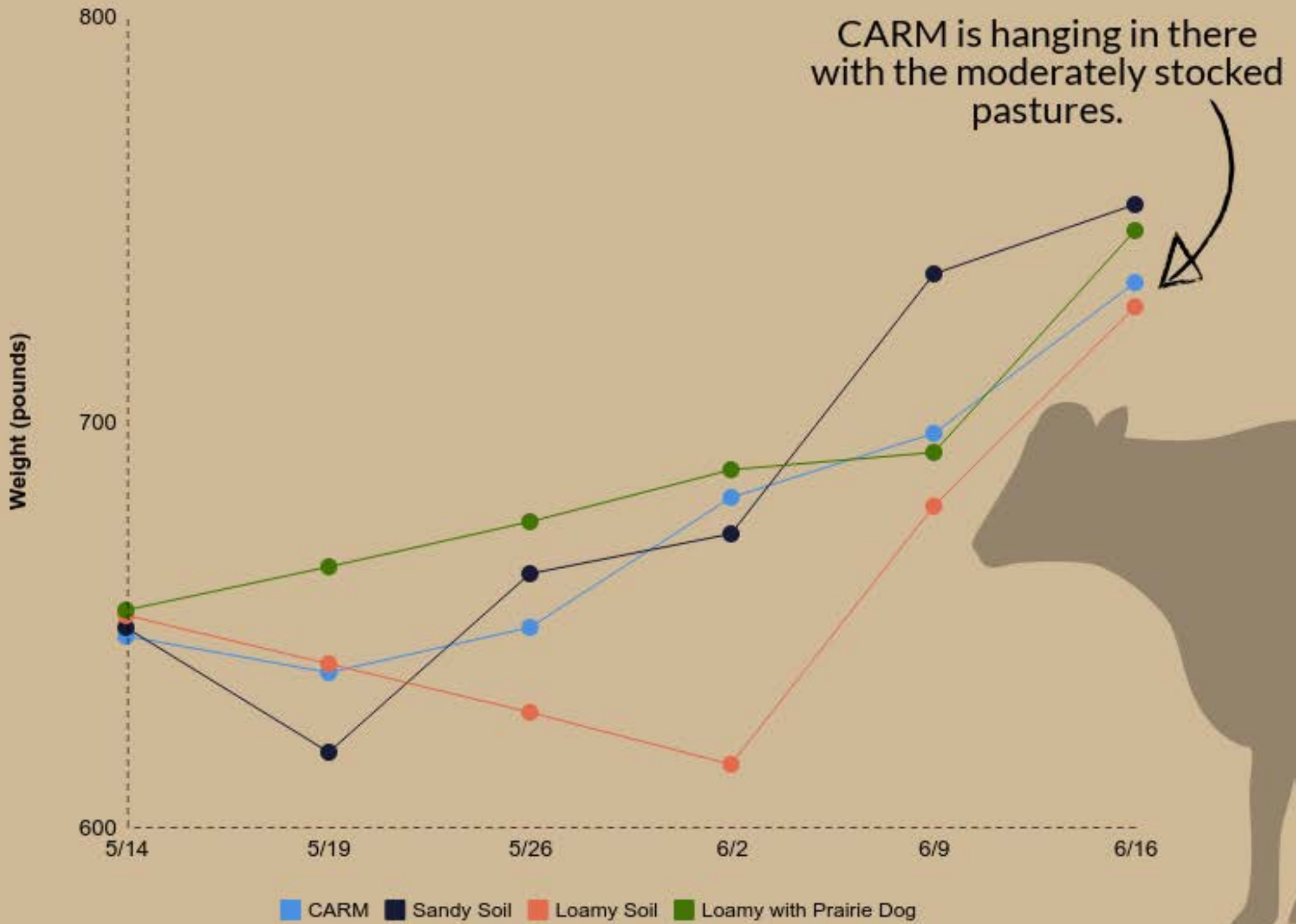
- Blue grama
- Western Wheat
- Needle and Thread
- Forb
- Prickly Pear
- Carex
- Alkali Sacaton
- Sand Dropseed
- Six-weeks Fescue
- Squirrel Tail
- Sub-shrub

## Cowboy Report

Simply put, they're fat & happy.



# Weekly Herd Average



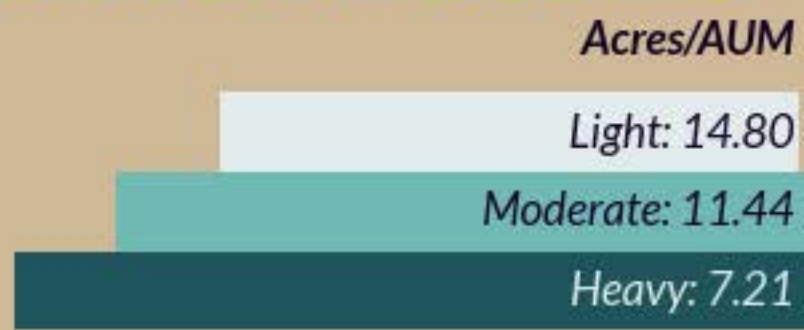
# What is LTGI?

*CPER's longest running study to date.*

A research effort monitoring the effects of historical, season-long grazing across different stocking rates.

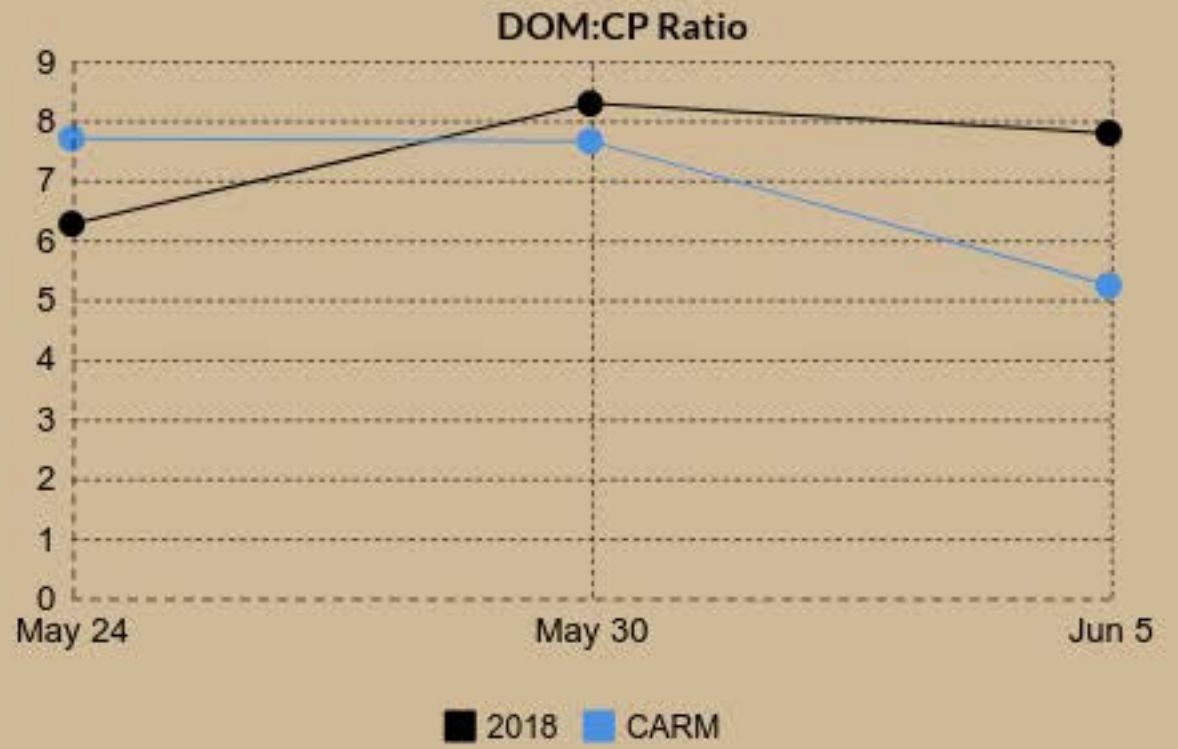


## Current Herd Average



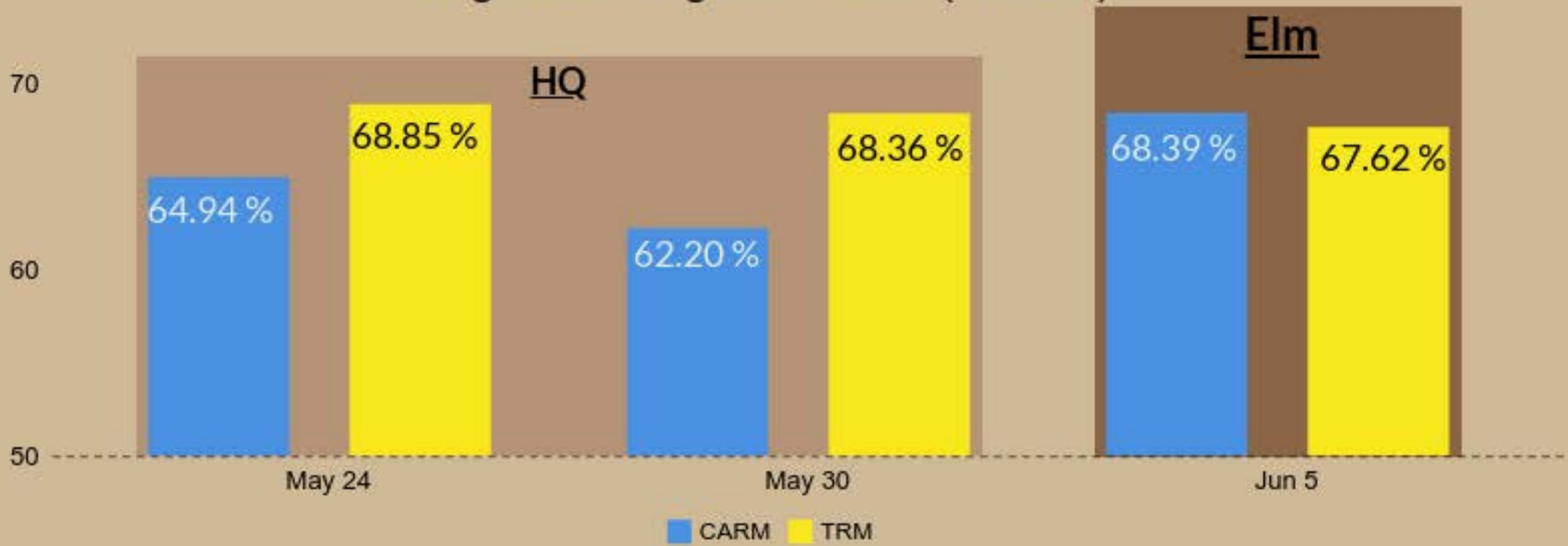
## LTGI Average Daily Gains





**Outsourcing!**  
Photo Credit: Matt Mortenson

## Digestible Organic Matter (%DOM)



## Crude Protein (%CP)





### Tech Note:

- CARM vegetation sampling is almost done, the field crew is doing an awesome job!

*This week*



*Last Week*



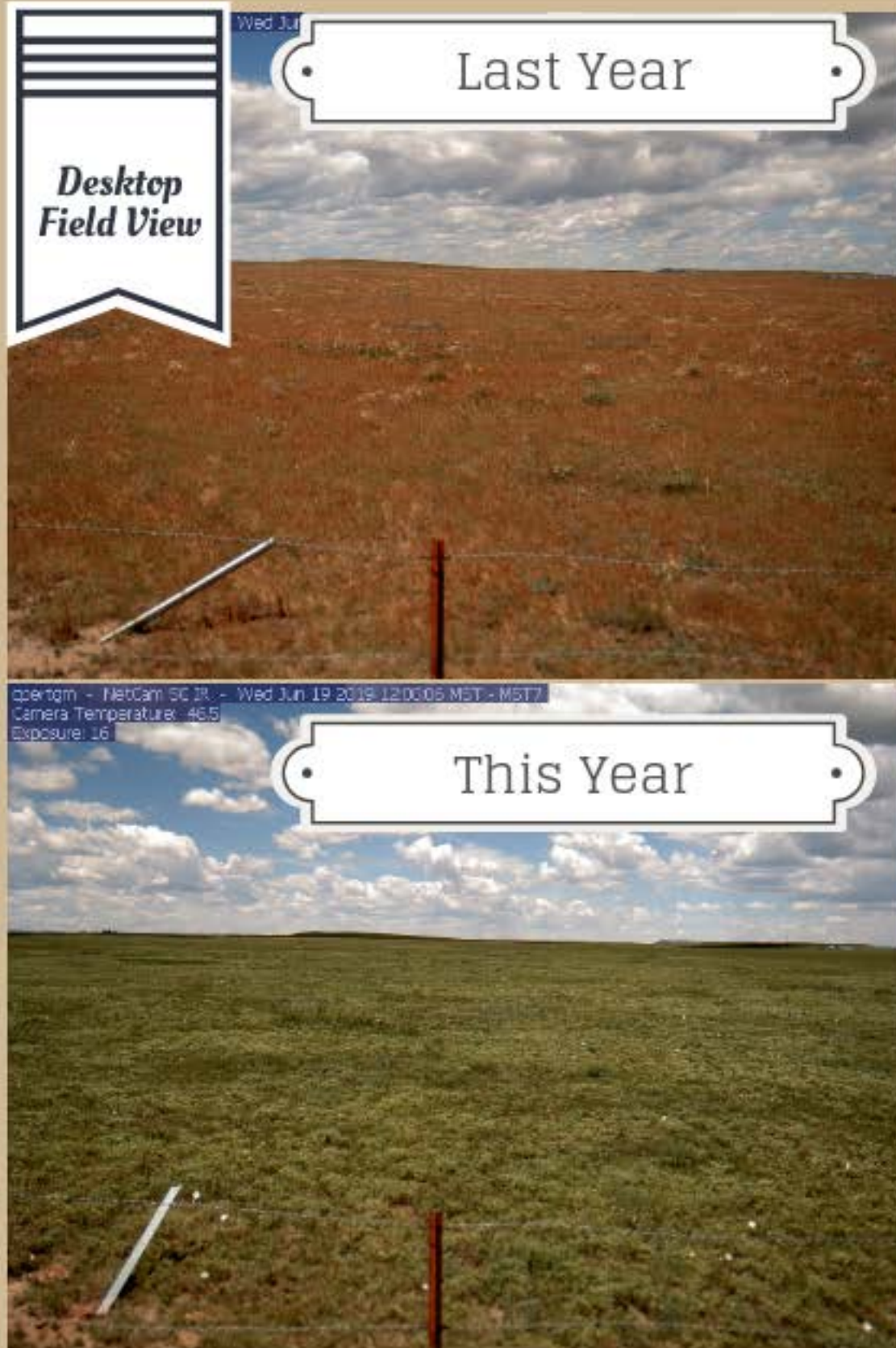


# Grazing Rotation Record

Pasture	What we wanted to happen	What actually happened			
		Date In	Date Out	Trigger Used	Notes
1) Headquarters	Shoot for 14 days	17-May	29-May	VOR	Cold wet spring, less growth
2) Elm	Shoot for 14 days, more cool seasons-wt gains	29-May	12-Jun	Max Days	
3) Saltflat	More mixed sp. Composition-wt gains	12-Jun			
4) Highway	Gain potential				
5) Hilltank	MCLO				
6) Crossroads	MCLO				
7) South	MCLO, but will be grazed later to miss Four-wing				
8) Snowfence	Gains, last 14 days				
9) Ridgeline	Rest for GHSP, grassbank				
10) Nighthawk	Rest increase gain here by resting C3, and because it is not a MCLO pasture				

## 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!