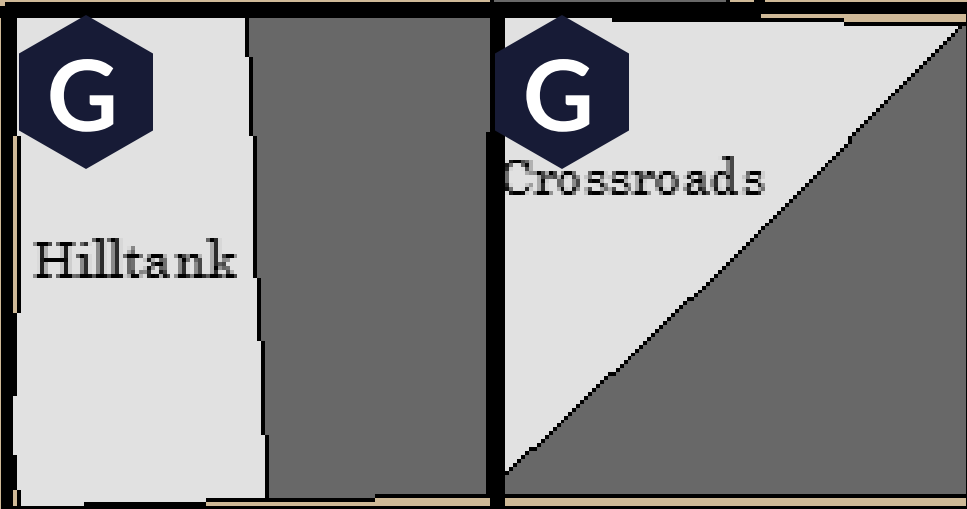
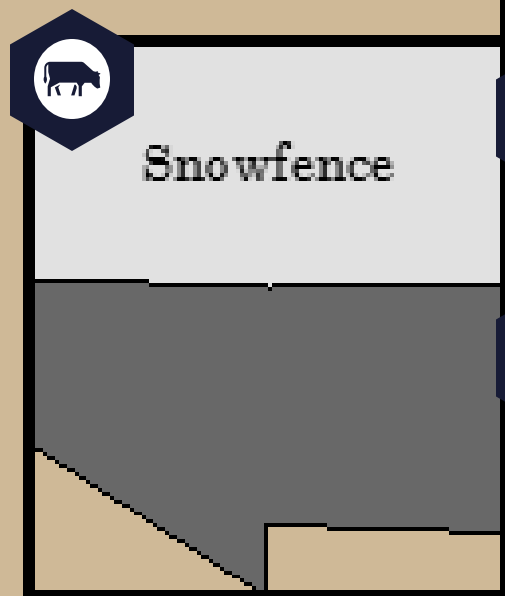
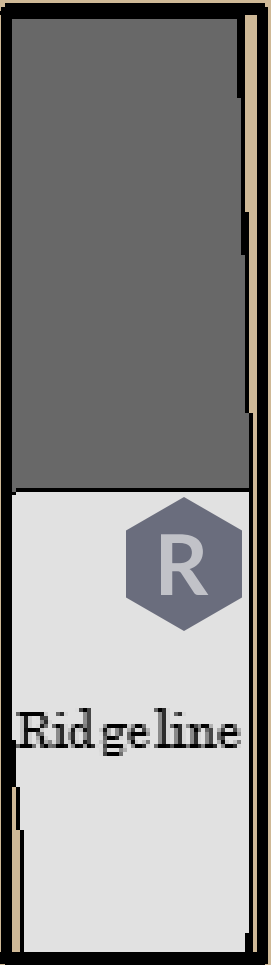
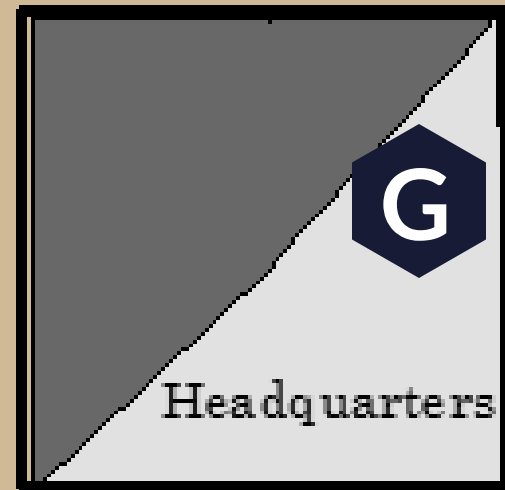




Greetings CARMers!



Let's Recap!



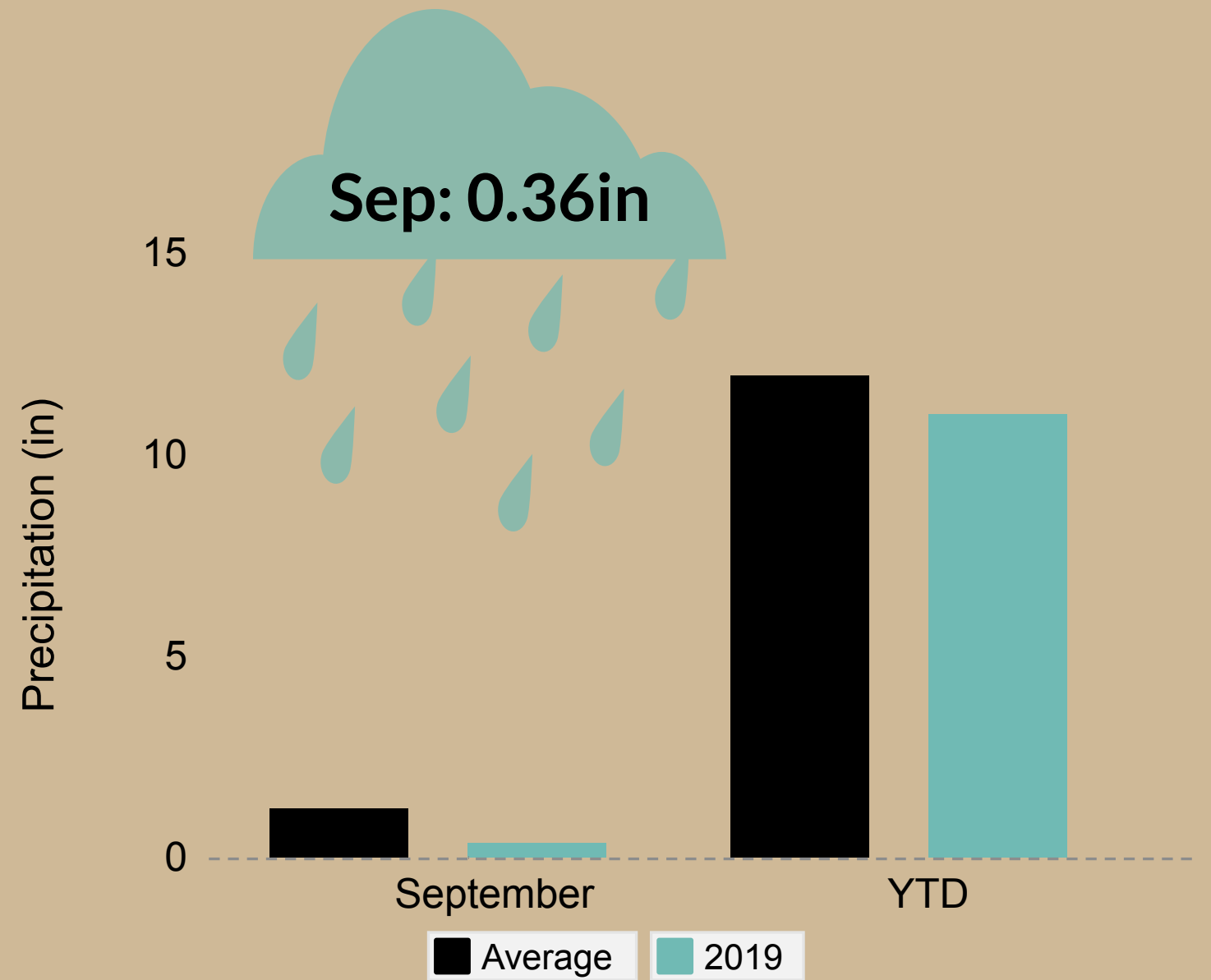
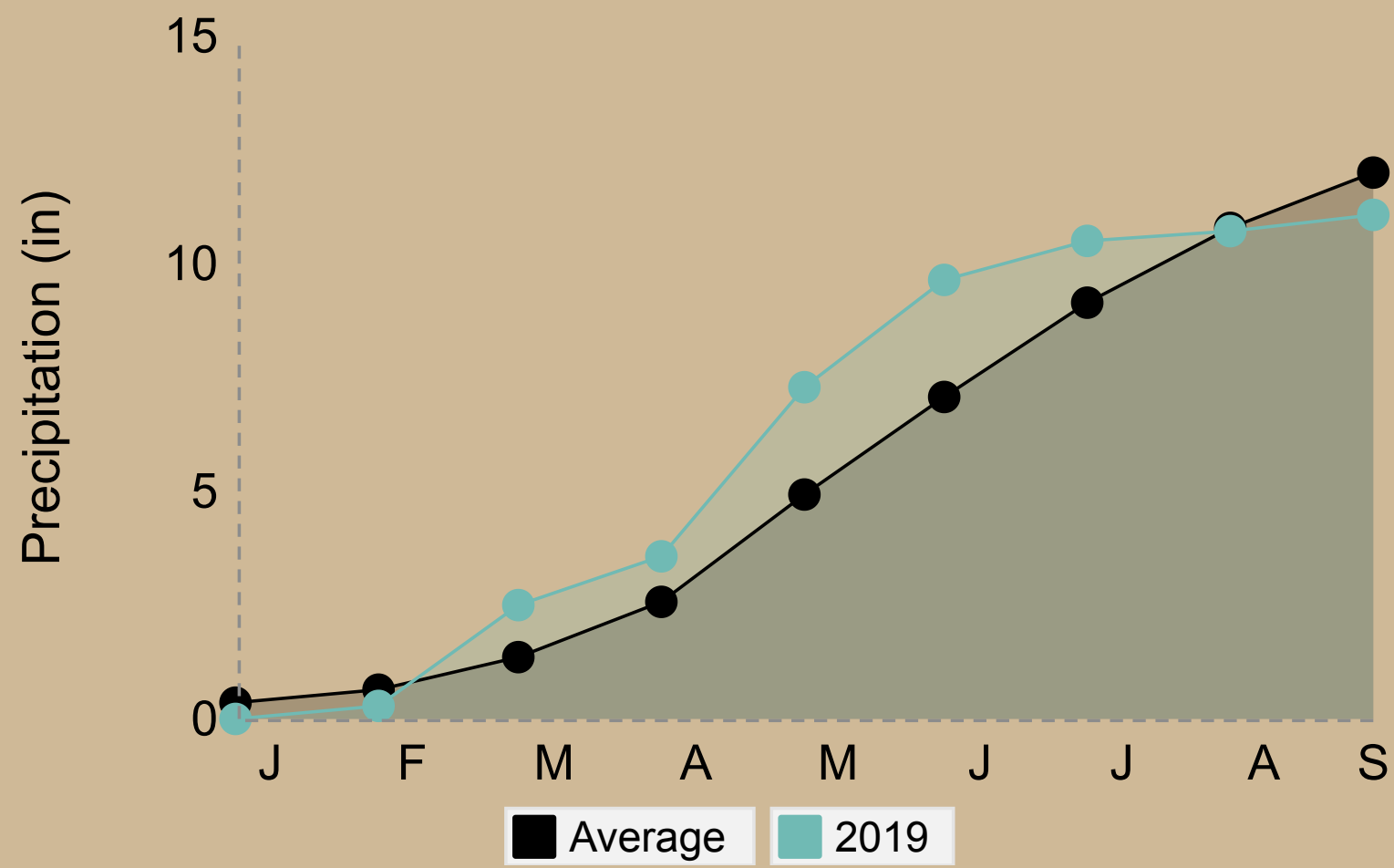
Pasture Stats:

- Herd
- Next
- Grazed
- Rest

- Mixed Soils
- Warm & Cool Season Grasses
- Vegetation Threshold 500 pounds/acre

Highlights of Happenings

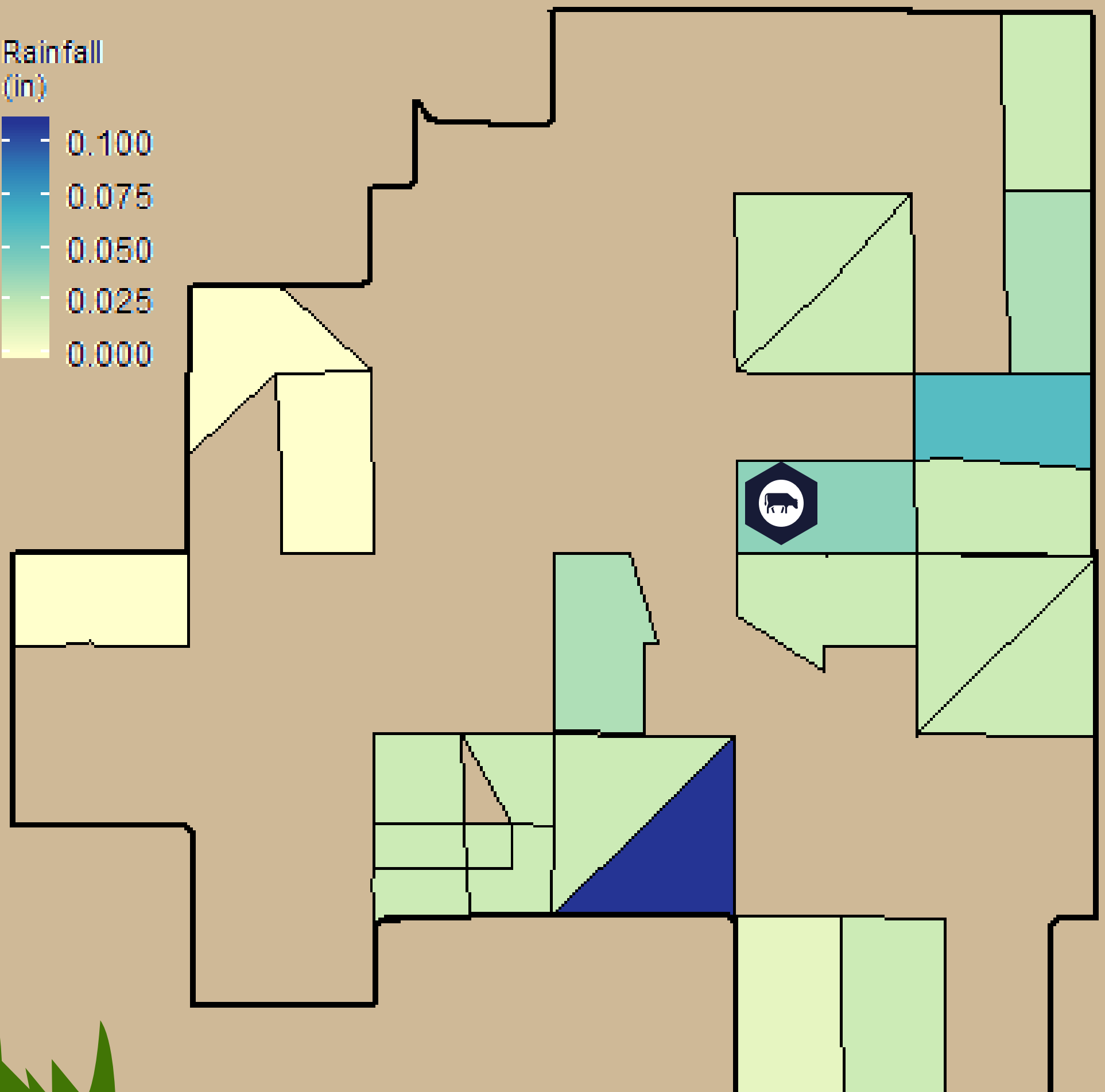
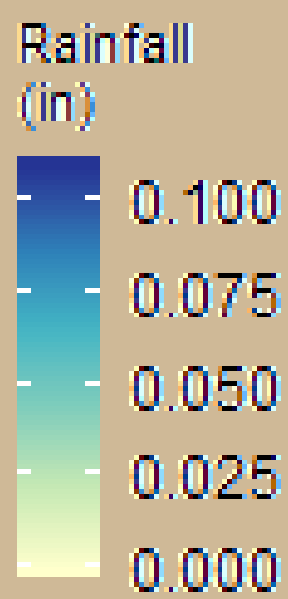
Rainfall Totals



Total Rainfall

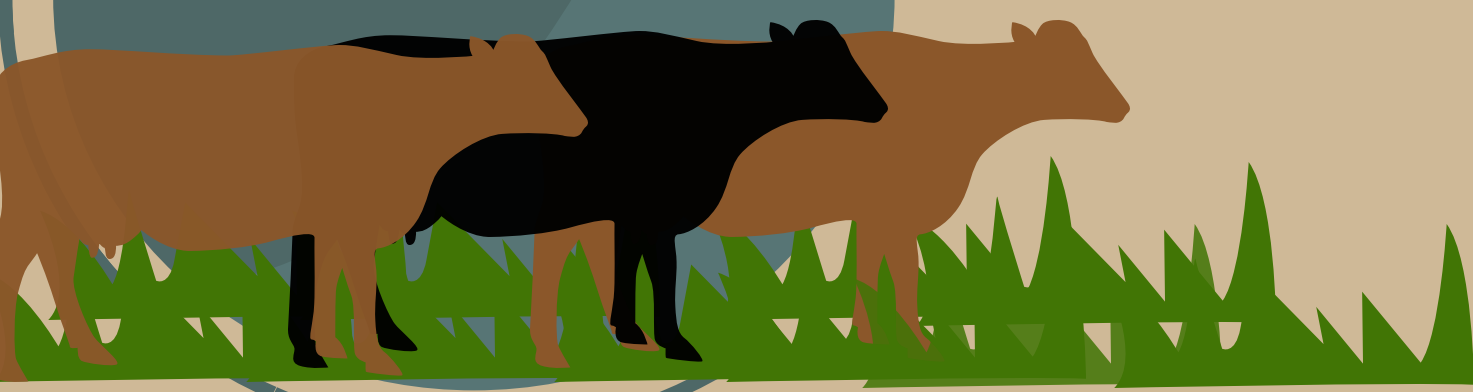
2019-09-15 to 2019-09-22

Last Week's Rainfall



Drought Monitor

Grass-Cast



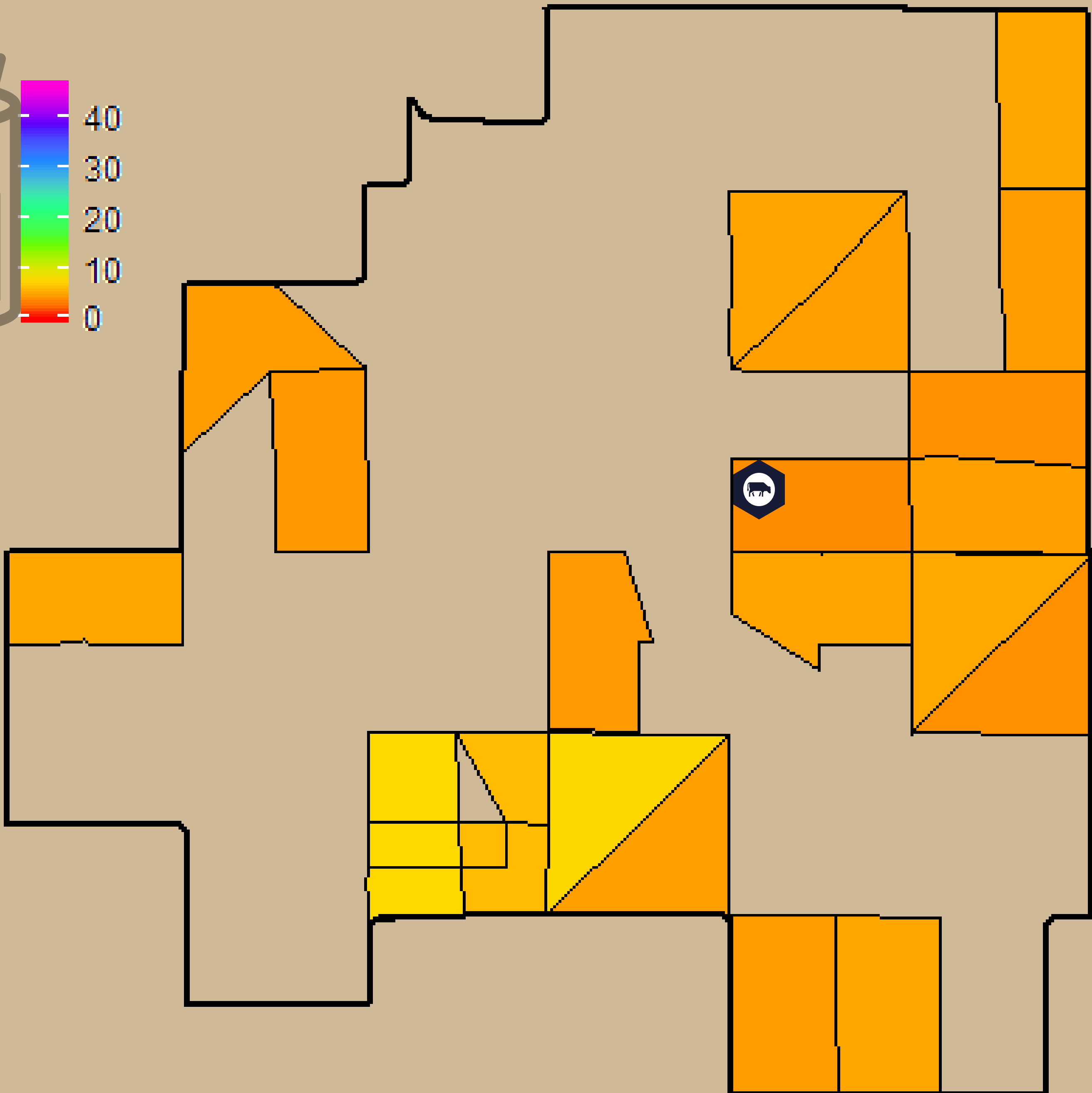
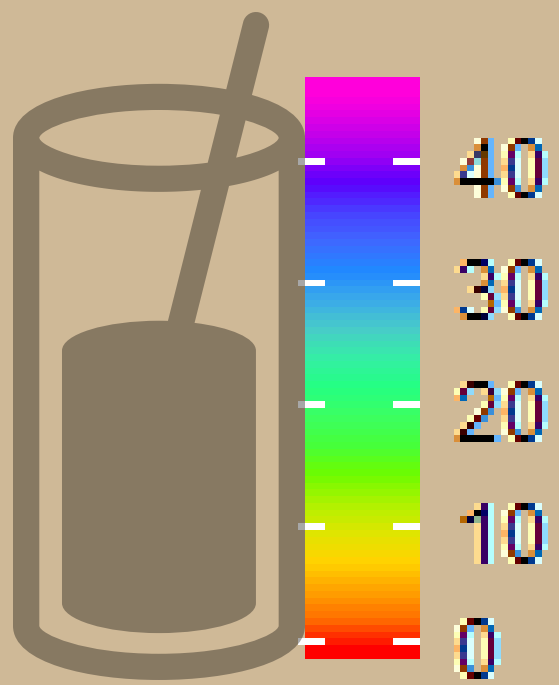
Soil Moisture Distribution

What's in our cup?

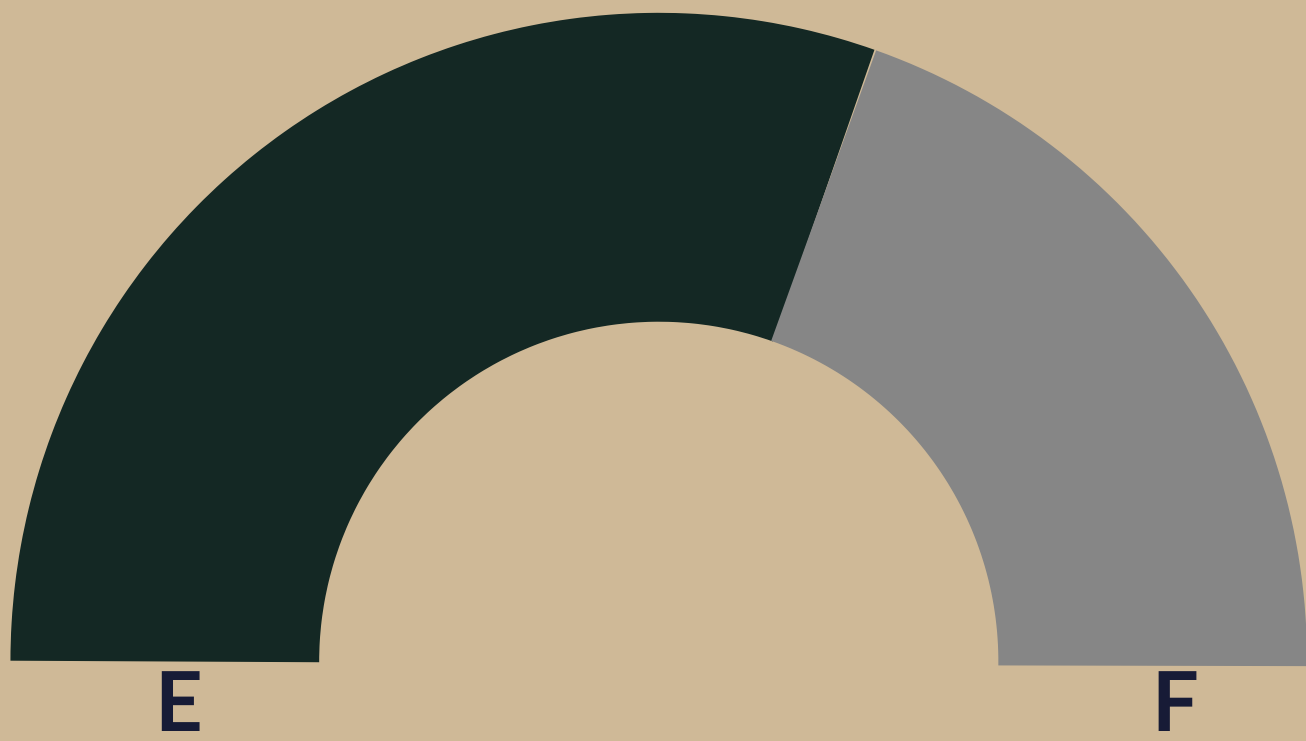
Absolutely nothing.

Current Soil Moisture

2019-09-22



Snowfence Forage



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



Snowfence was last grazed in the spring of 2018 for a short 14 days, long rest period!

Remote WOW

The cattle were so comfortable around the scales they would continue to use it during routine maintenance - even with panels open!

Cowboy Report

Grazing across pasture in two large groups, they look happy & healthy.



Weekly Herd Average

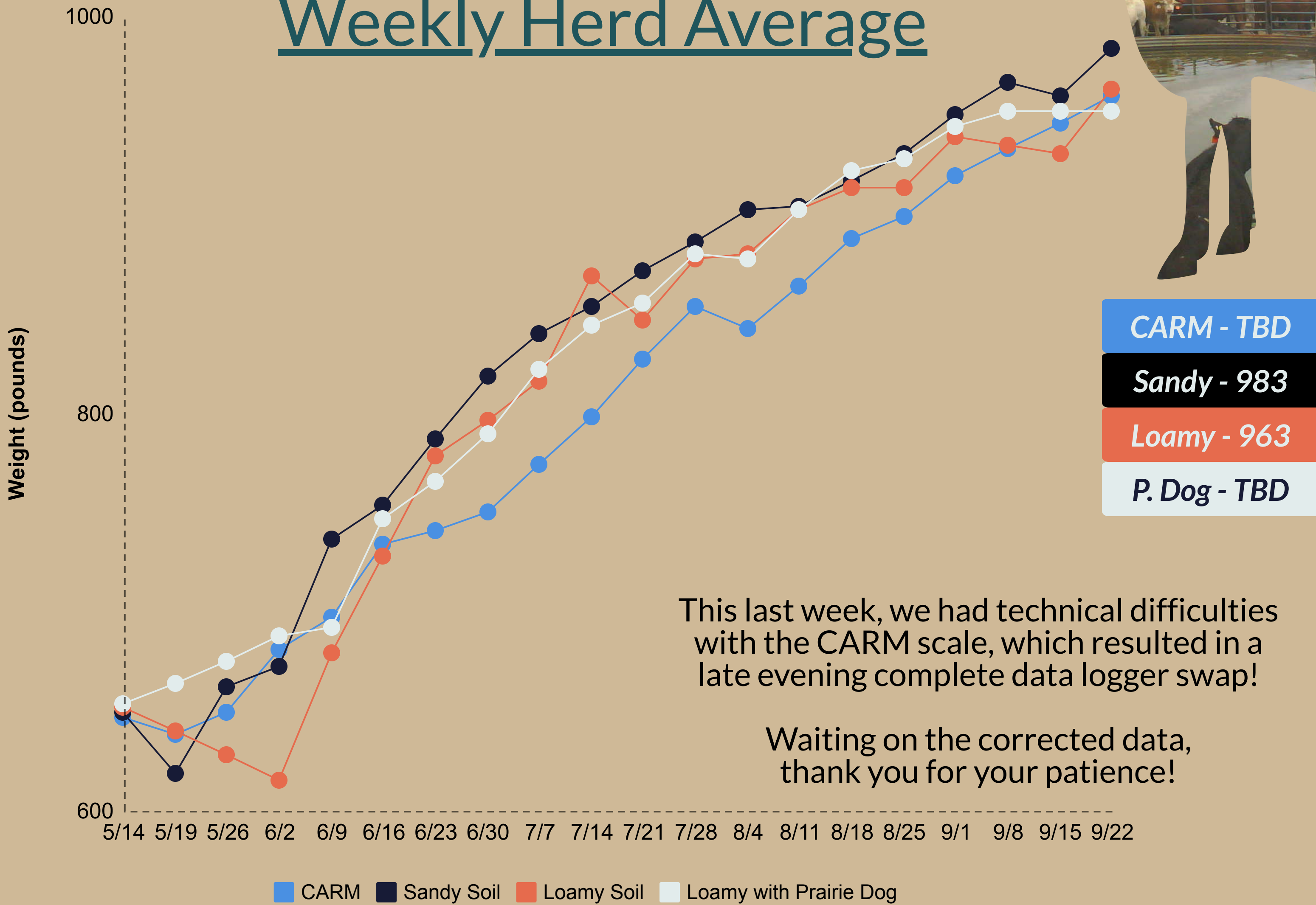
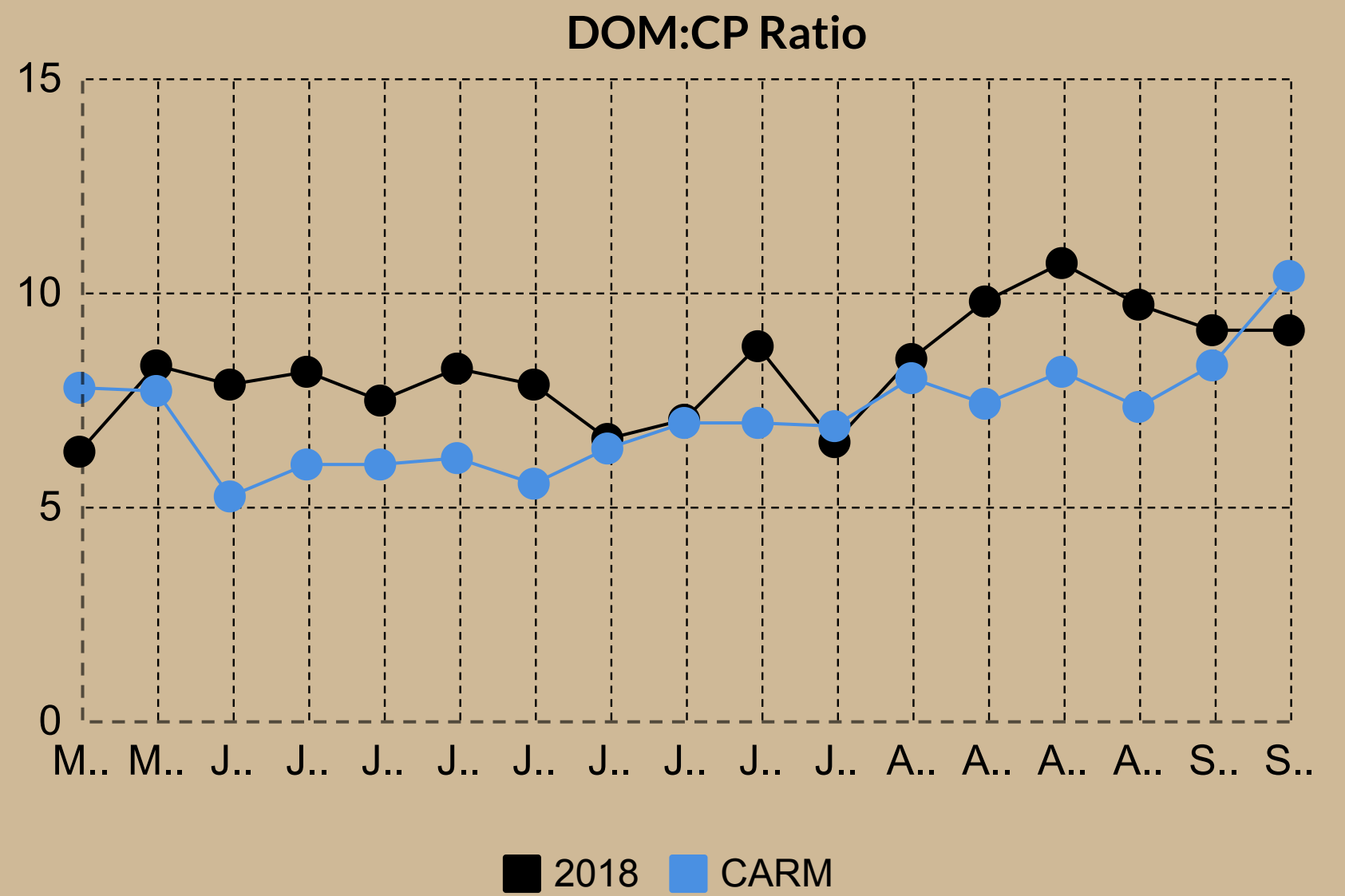
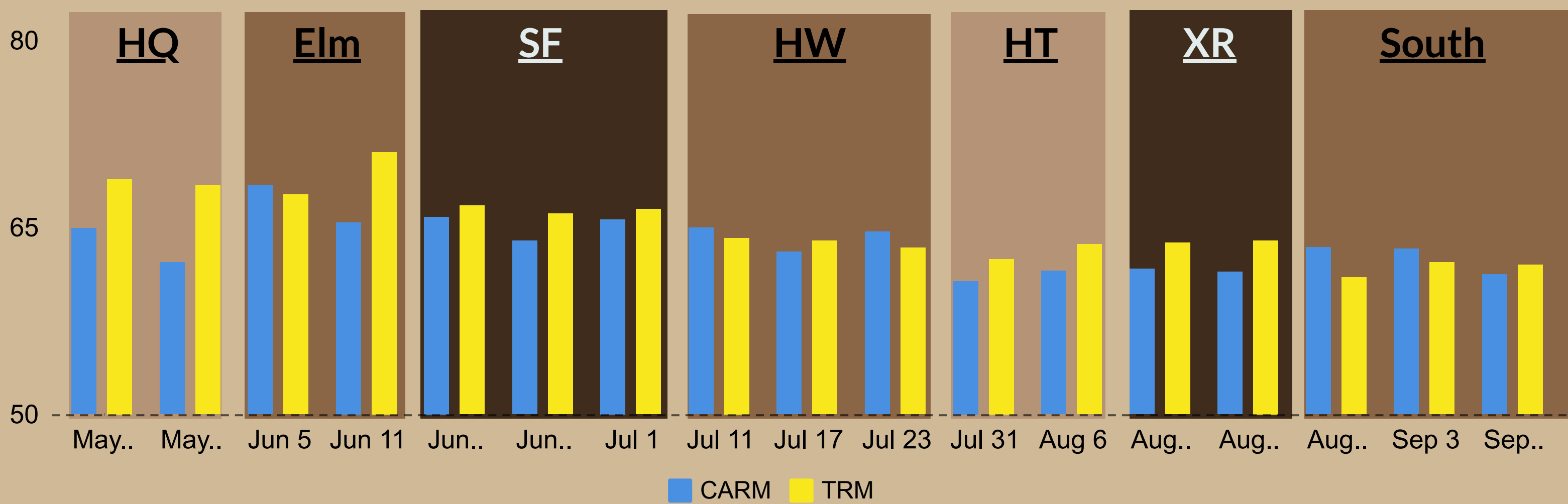




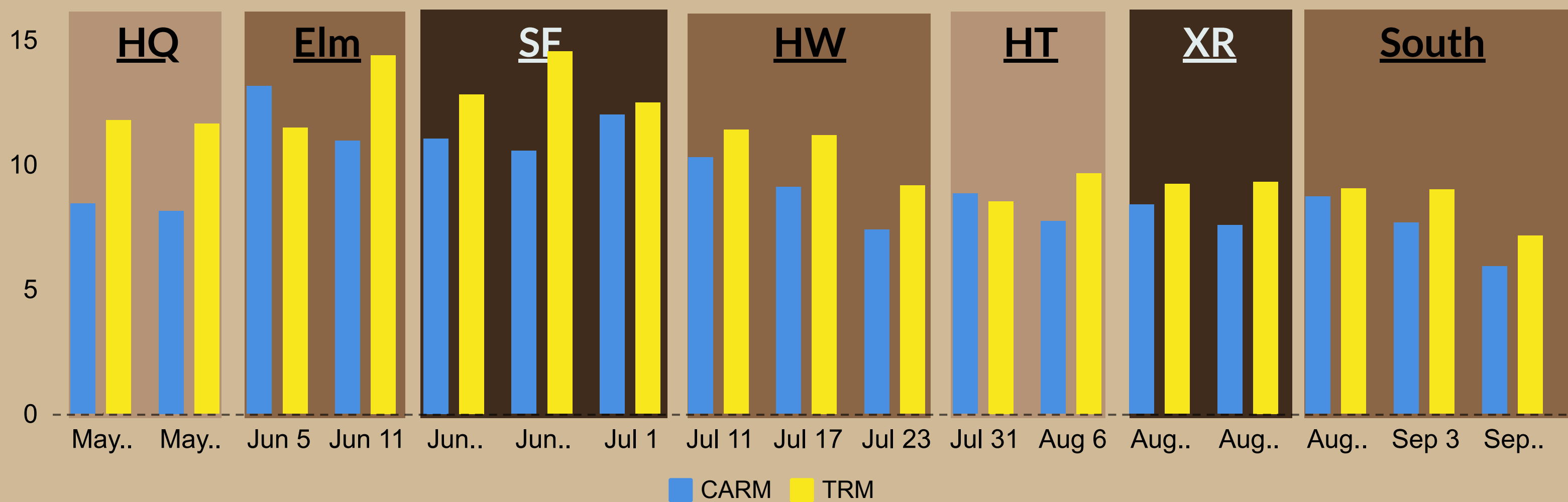
Photo Credit: Matt Mortenson



Digestible Organic Matter (%DOM)



Crude Protein (%CP)



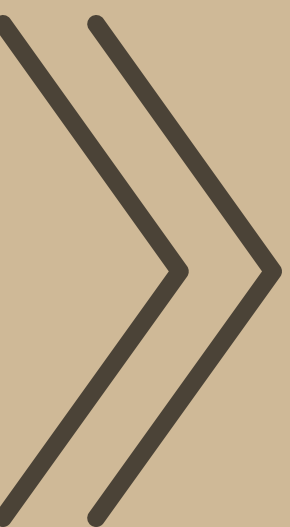


Tech Note:
- Cattle come off Sept 28th

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	1-Jul	Max Days	Took weights on the
4) Highway	Gain potential	1-Jul	23-Jul	Max Days	
5) Hilltank	MCLO	23-Jul	8-Aug	VOR	Extrapolating their
6) Crossroads	MCLO	8-Aug	22-Aug	VOR	
7) South	MCLO, but will be grazed later to miss Four-wing	22-Aug	13-Sep	VOR	
8) Snowfence	Gains, last 14 days	13-Sep			
9) Ridgeline	Rest for GHSP, grassbank				
10) Nighthawk	Rest increase gain here by resting C3, and because it is not a MCLO pasture				

2019, what a memorable season you've been...

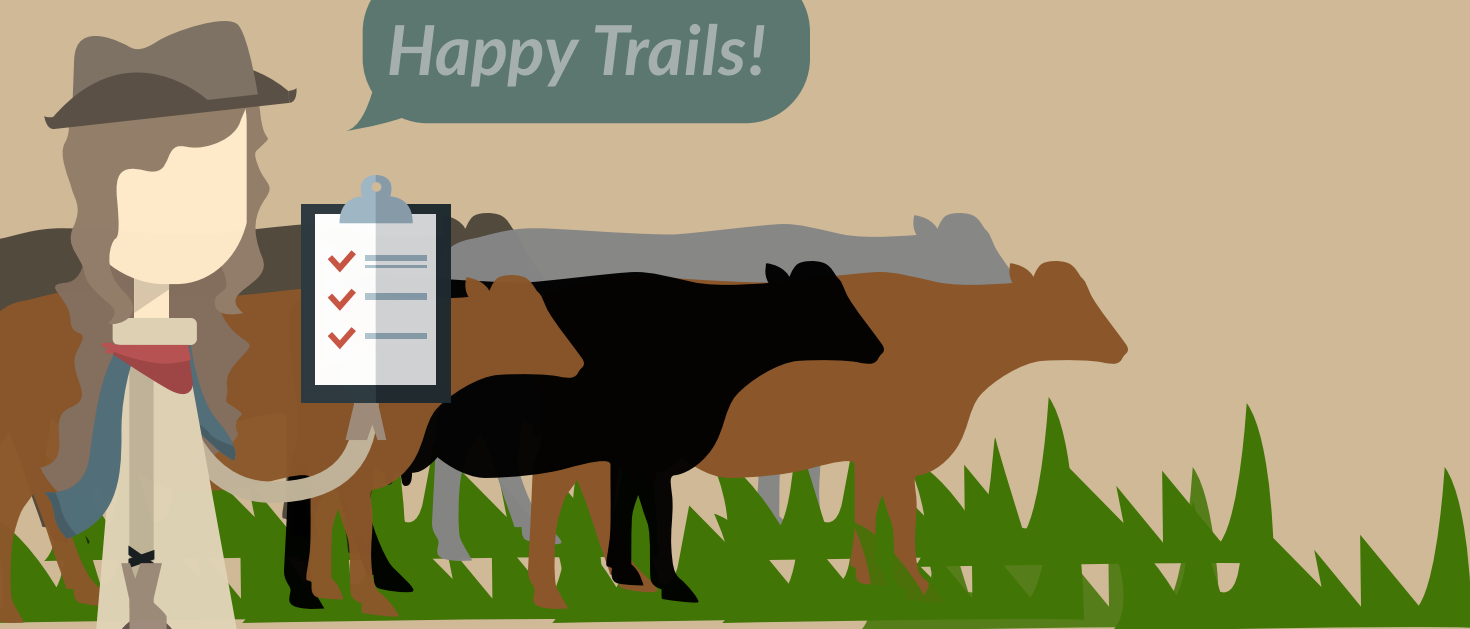


- Kicked off the season with a snow storm
- Deployed Rumi-watch halters, GPS collars, MOOnitors, & RemoteWOW
Hello - digital beef data.
- Rumen micro-biome study
- CARM left first pasture early due to VOR, only received 1.42 inches of rain the last 3 months of season (<70% of the historic record)
AND
CARM still reserved two pastures!



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!