



PaddockTrac:

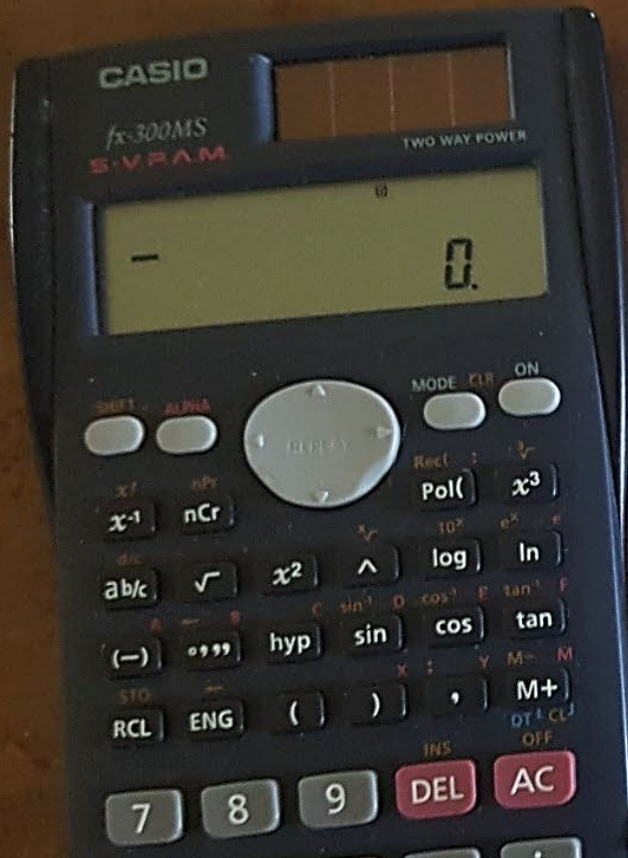
Smart Grazing Made EASY

STARCOWS



Program Goals

OPTIMIZE PASTURE UTILIZATION



NUMBER OR CODE	DATE	TRANSACTION DESCRIPTION	PAYMENT FEE WITHDRAWAL (-)	✓	FEE	DEPOSIT CREDIT (+)	\$ BALANCE
1001	5/2	MFA Feed					
1002	5/2	Ash Vet Clinic	35	17	✓		
1003	5/4	Premier Fence	75	00	✓		
1004	5/8	Cull cow - Spfd - 2		00	✓		
1005	5/10	Electre			✓	920 00	
1006	5/10	Phone - cell	2	00	✓		
	5/12	AG Quay - lime	17	00	✓		
	5/12	Act saw	1200		✓		
1007	5/15	Pum Feed			✓		
			416	9			2000 00

Program Goals

FINANCIAL STABILITY



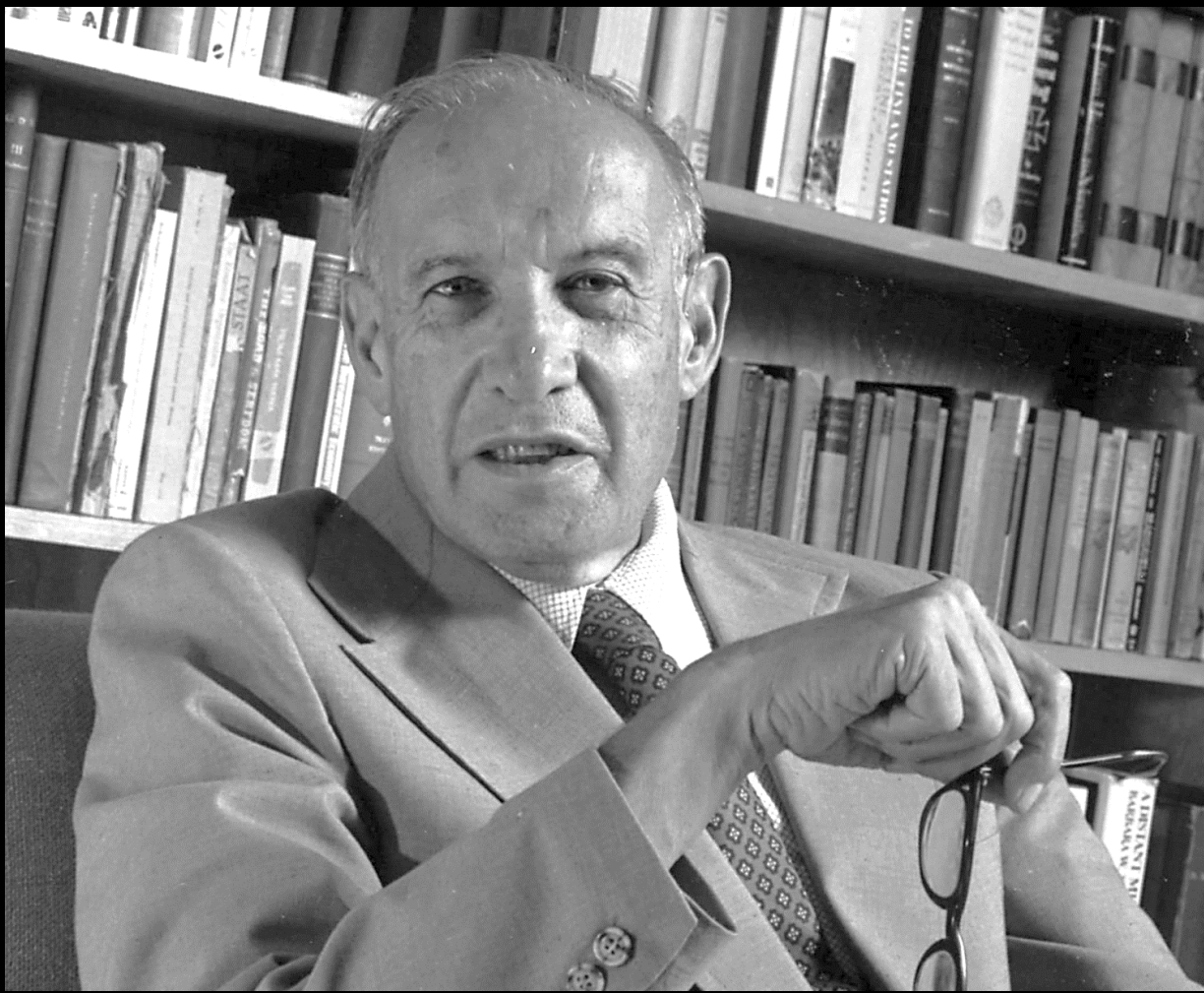
Program Goals

AVOID OVERGRAZING



Program Goals

MAXIMIZE CONSERVATION

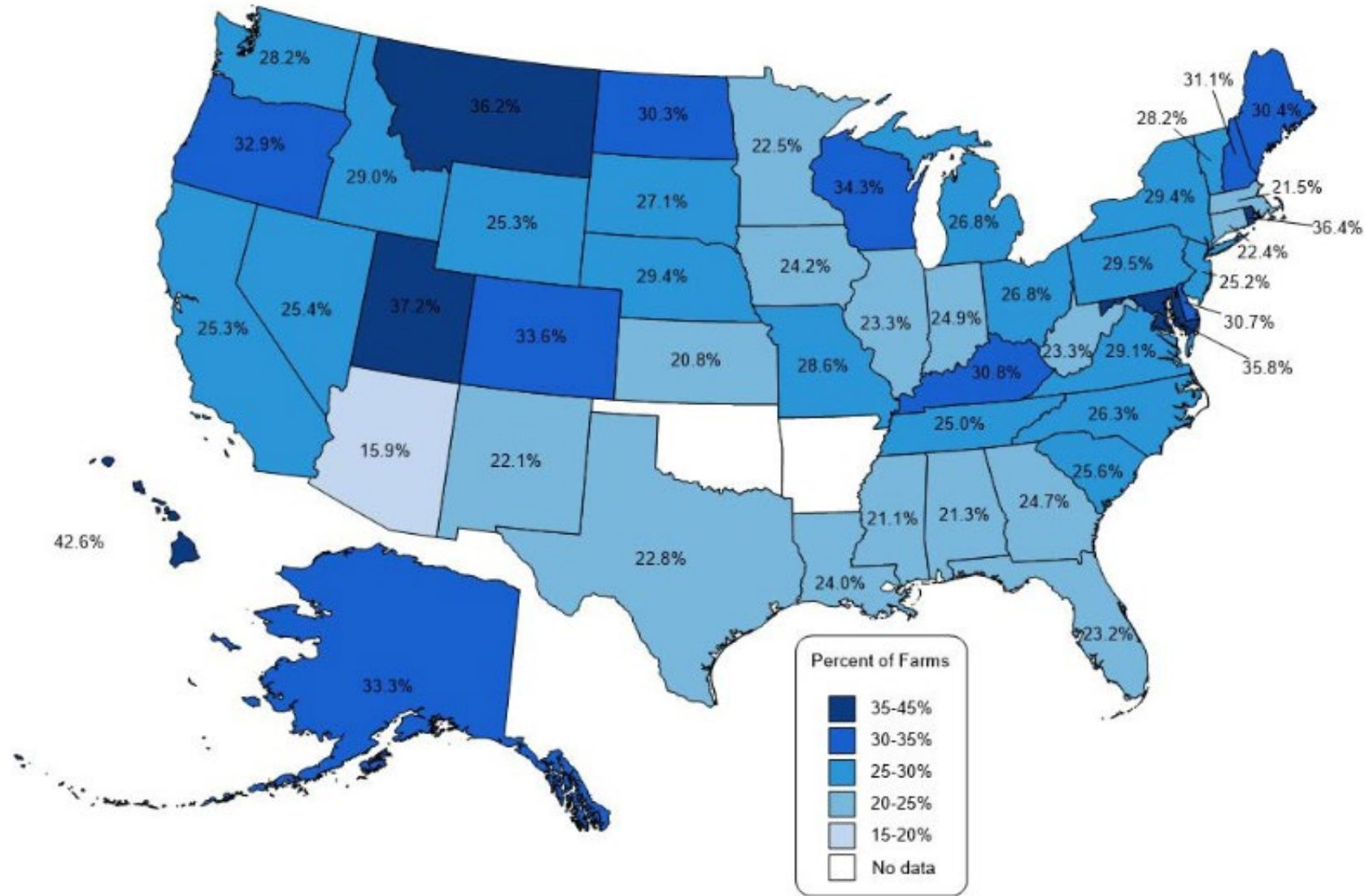


“If you can’t
measure it, you
can’t manage it.”

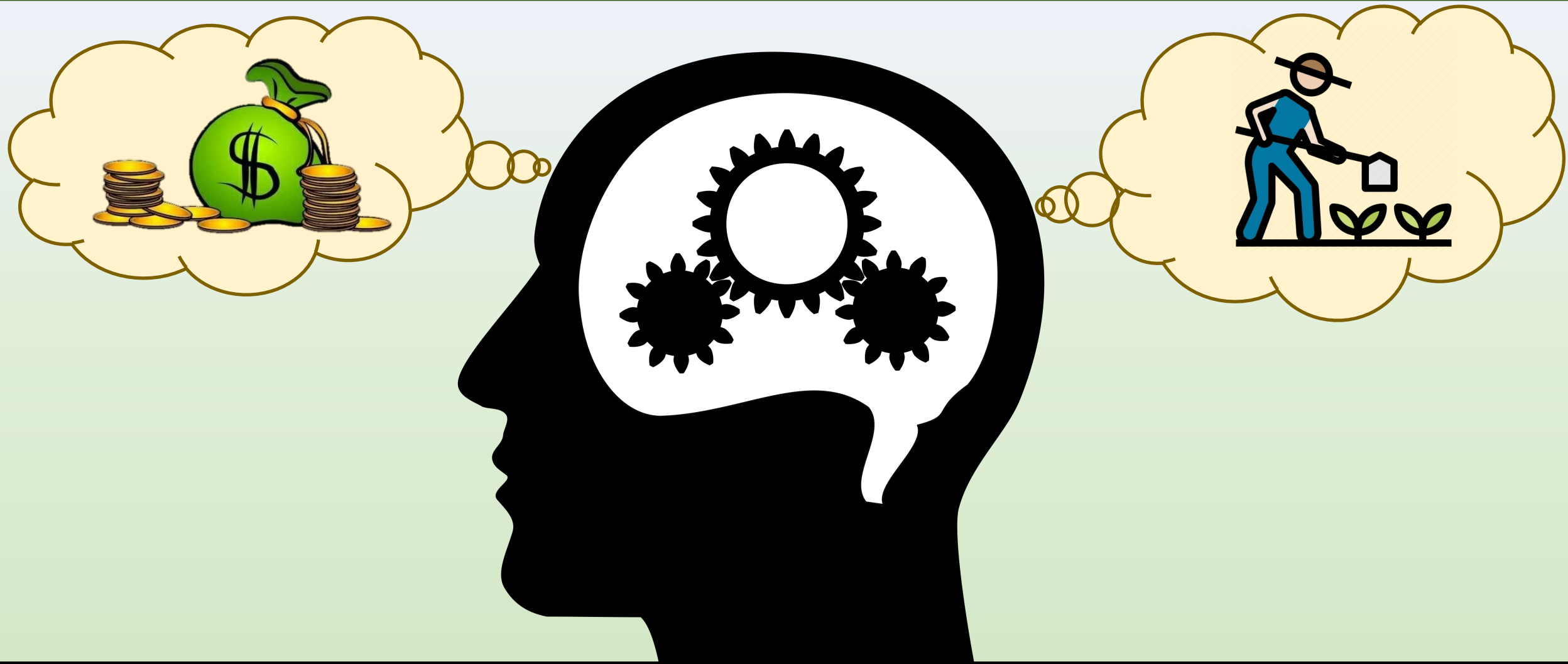
- Peter Drucker

Mantra:

MEASURE/MONITOR/MANAGE



Improve adoption of
ROTATIONAL STOCKING



Reasons for
NON-ADOPTION



Regional
GRAZING SCHOOLS



Measuring
TAKES TIME



Real-life situations need to guide

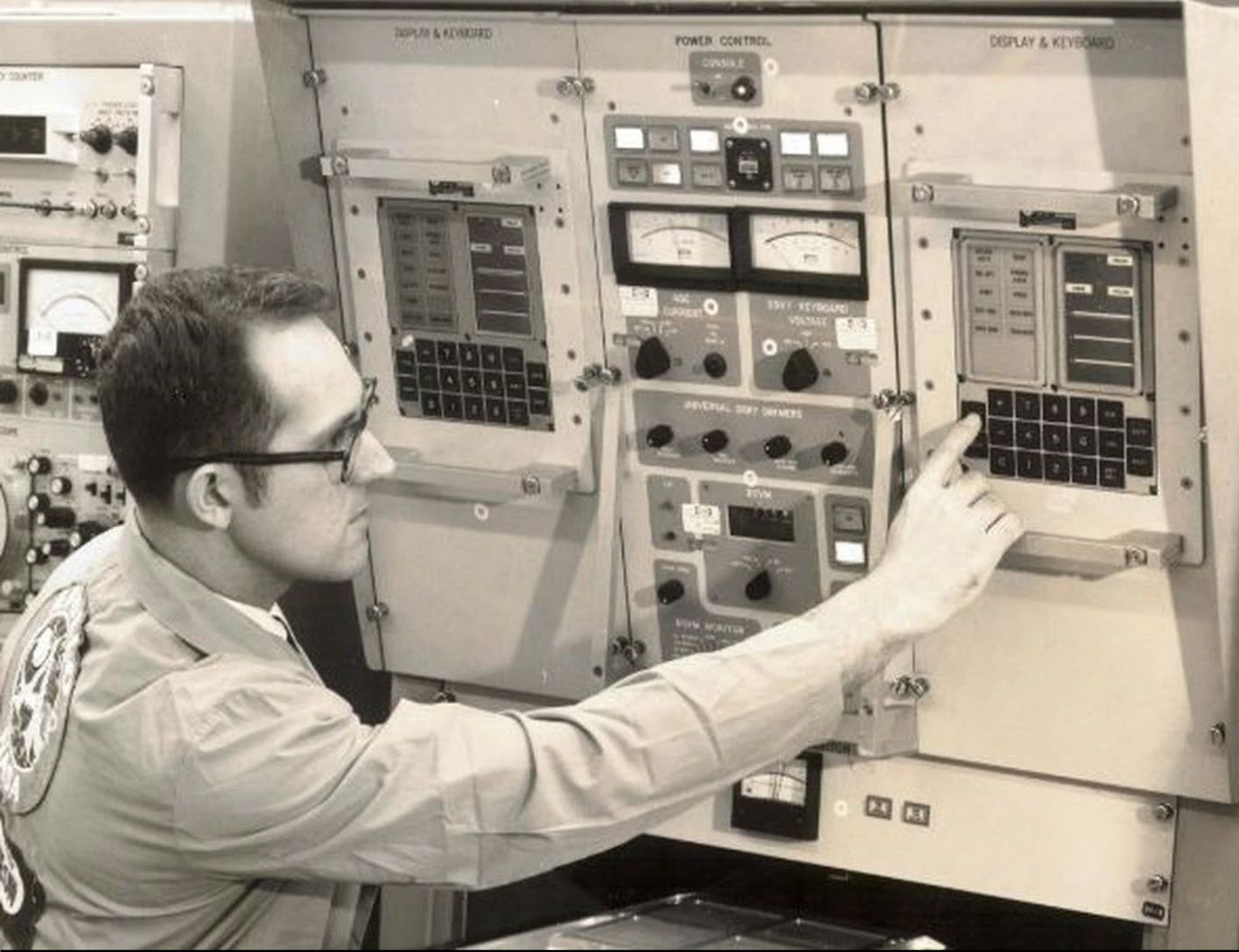
TECHNOLOGIES

Image source: <https://pasture.io/measurement-tools/c-dax-meter>



Manual

DATA ENTRY



Apollo
GUIDANCE COMPUTER



Smartphones

256 GB Memory/2.4 GHz CPU



250 million times more
COMPUTING POWER



Smartphones

THE NEW TOOLBOX



Bluetooth



Internet

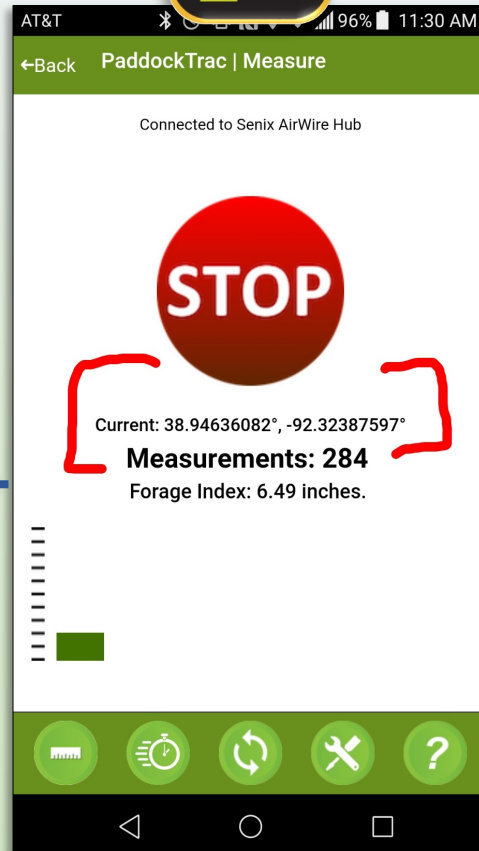


Internet



Envisioned

FITBIT MODEL



PASTURE SIGNAL PROCESSING



AN ONLINE TOOL FOR MANAGING PASTURE-BASED DAIRY FARMS

GRAZING WEDGE

- Home
- Public farm reports
- Dairy resources
- Help

Log in

Email:

Password:

Remember me

Log in

[Create an account](#)

[Reset password](#)

[Report problems](#)

Grazing wedge

The grazing wedge is a tool for managing forage in grazing systems. It visually represents the quantity of forage dry matter available per acre or hectare at a single point in time. When used over time, it calculates pasture growth rates and cumulative forage production in the grazing system. The grazing wedge enables beef and dairy producers to make forage management decisions that align to their production goals.

Users can set up an account, input farm and paddock data, and track other information they can use to improve grazing management.

Browse the [Public farm reports](#) to see grazing wedge graphs and data tables for other farms. To get started with your own data, log in or [create an account](#).

For more information on how the grazing wedge works, see the [Help page](#), or view the video tutorial below.



AN ONLINE TOOL FOR MANAGING PASTURE-BASED DAIRY FARMS

GRAZING WEDGE

- My account** Logout
- Home
- Farm reports
- Enter paddock data**
- Public farm reports
- Dairy resources
- Help

My account: Mike Meier

Under My account, you can edit your user information and settings information and edit previously entered paddock data.

My farms

Click on the farm name to edit.

Farm name	Paddocks
mike meier	
Rhino Dairy	
meier 2	

Add new farm

Edit user info

First name:

Last name:

Email:

Password:

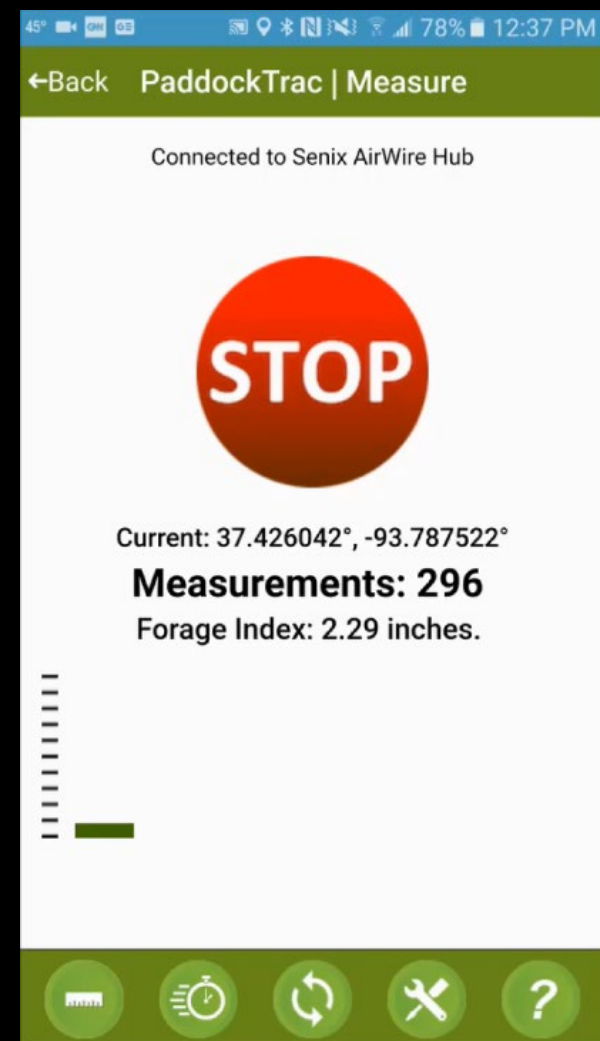
Confirm password:

Secure

WEBSITE ACCOUNT

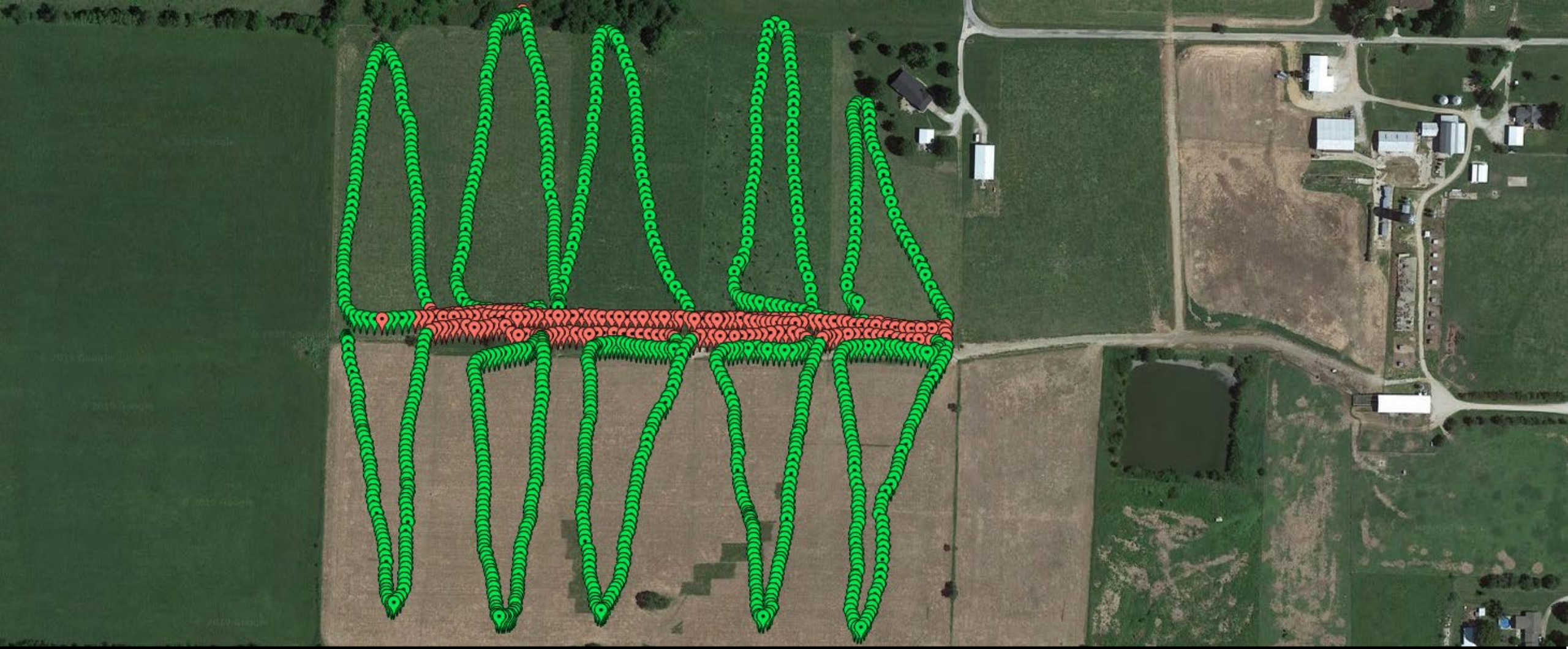


Georeferenced
SPATIAL PROCESSING



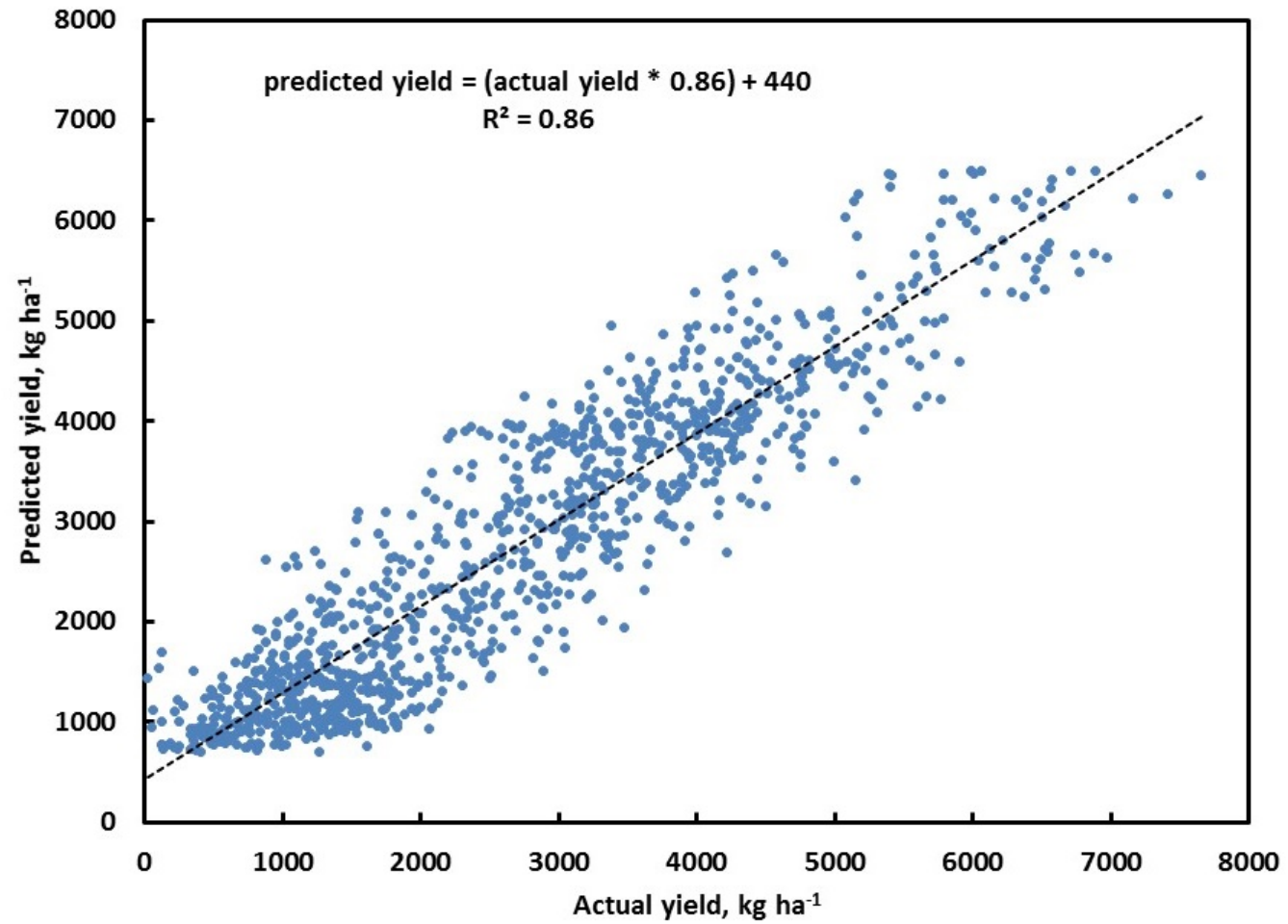
Demo

SAMPLE



Emailed

VALIDATION MAP

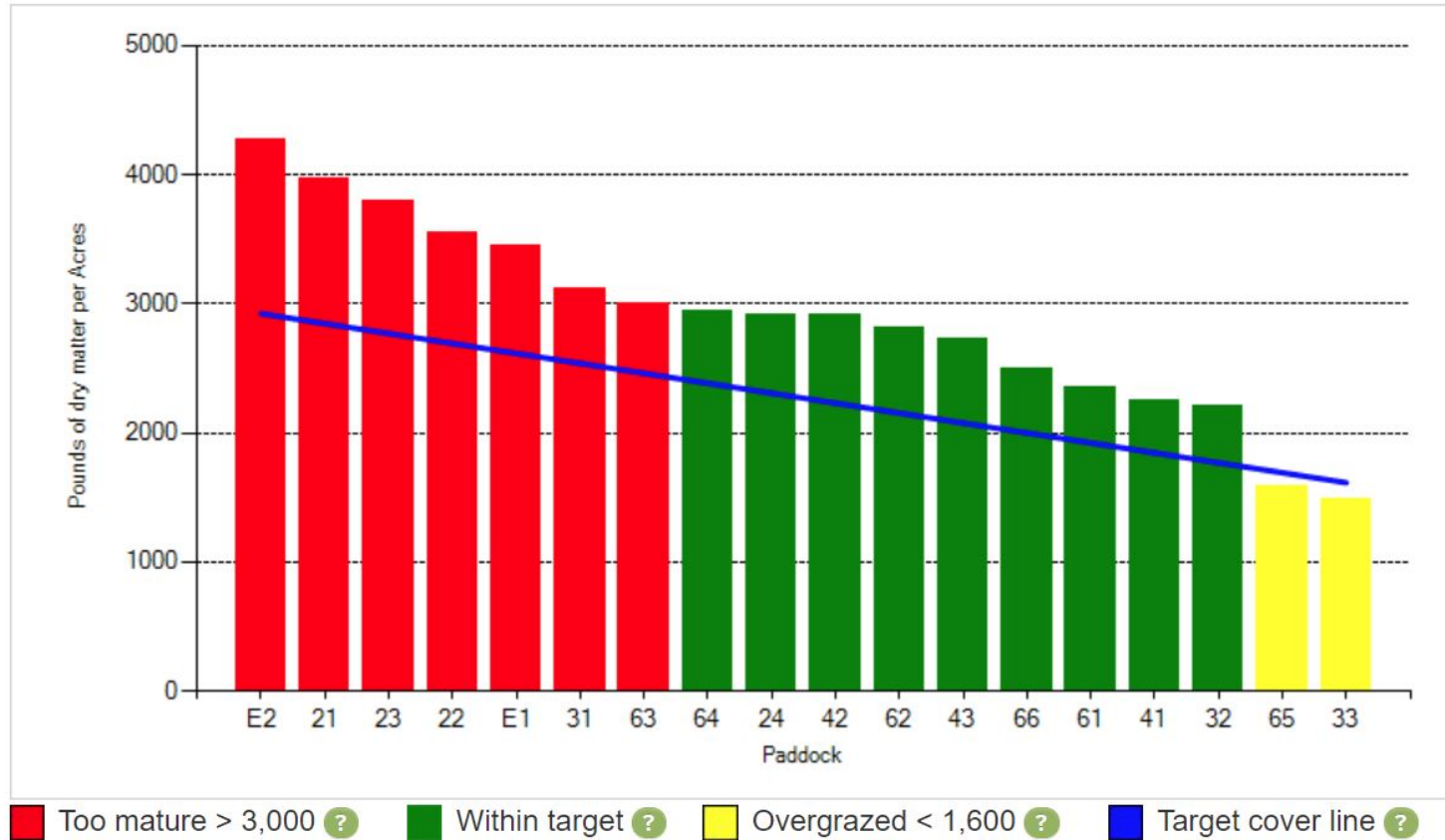


Calibrated

YIELD ESTIMATES

Foremost Grazing wedge: 08/05/2021

Select date: 08/05/2021



Grazing Wedge

WEBSITE & DATABASE

Summary of key indicators for grazing management and animal performance

Livestock class		Dairy Milking
Growth rate (pounds of dry matter accumulation per acre per day) ?		52
Pre-grazing cover (pounds DM/acre) ?	Actual: 4,015	Ideal: 3,000
Post-grazing cover (pounds DM/acre) ?	Actual: 1,760	Ideal: 1,600
Average pasture cover (pounds DM/acre) ?	Actual: 2,883	Ideal: 2,300
Rotation length (days until cows return to given paddock) ?		30.0
Milk production (pounds per day) ?		68
Hay for milking herd (Pounds per cow per day) ?		
Grain for milking herd (Pounds per cow per day) ?		9
Hay for dry cows (Pounds per cow per day) ?		
Grain for dry cows (Pounds per cow per day) ?		
Critical issues right now: ?		

Weekly

PASTURE GROWTH



Spatially view

PASTURE GROWTH

Paddock	Harvested yield to date ?
1	4,710
2	4,710
3	4,962
4	5,106
5	3,666
6	4,062
7	3,072
8	3,198
9	5,412
10	0
11	6,726
12	8,688
13	7,248
14	6,114
16	5,574
23A	6,348
23B	5,790
24A	4,638
24B	4,656



Cumulative
PASTURE GROWTH



Measurement helps manage

FORAGE PRODUCTION



Measurement helps

OPTIMIZE SUPPLEMENTATION



Measurement helps

OPTIMIZE FERTILIZATION



Measurement helps

GROW MORE FORAGE (AND BETTER QUALITY)



Measurement helps convert

FORAGE TO BEEF AND MILK



Data-driven decisions sustain both
PROFITS & NATURAL RESOURCES



PaddockTrac:

Smart Grazing Made EASY

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