

# Clipping volume: what the grass is telling you

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Asian Turfgrass Center

[www.asianturfgrass.com](http://www.asianturfgrass.com)

PACE Turf

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EX13

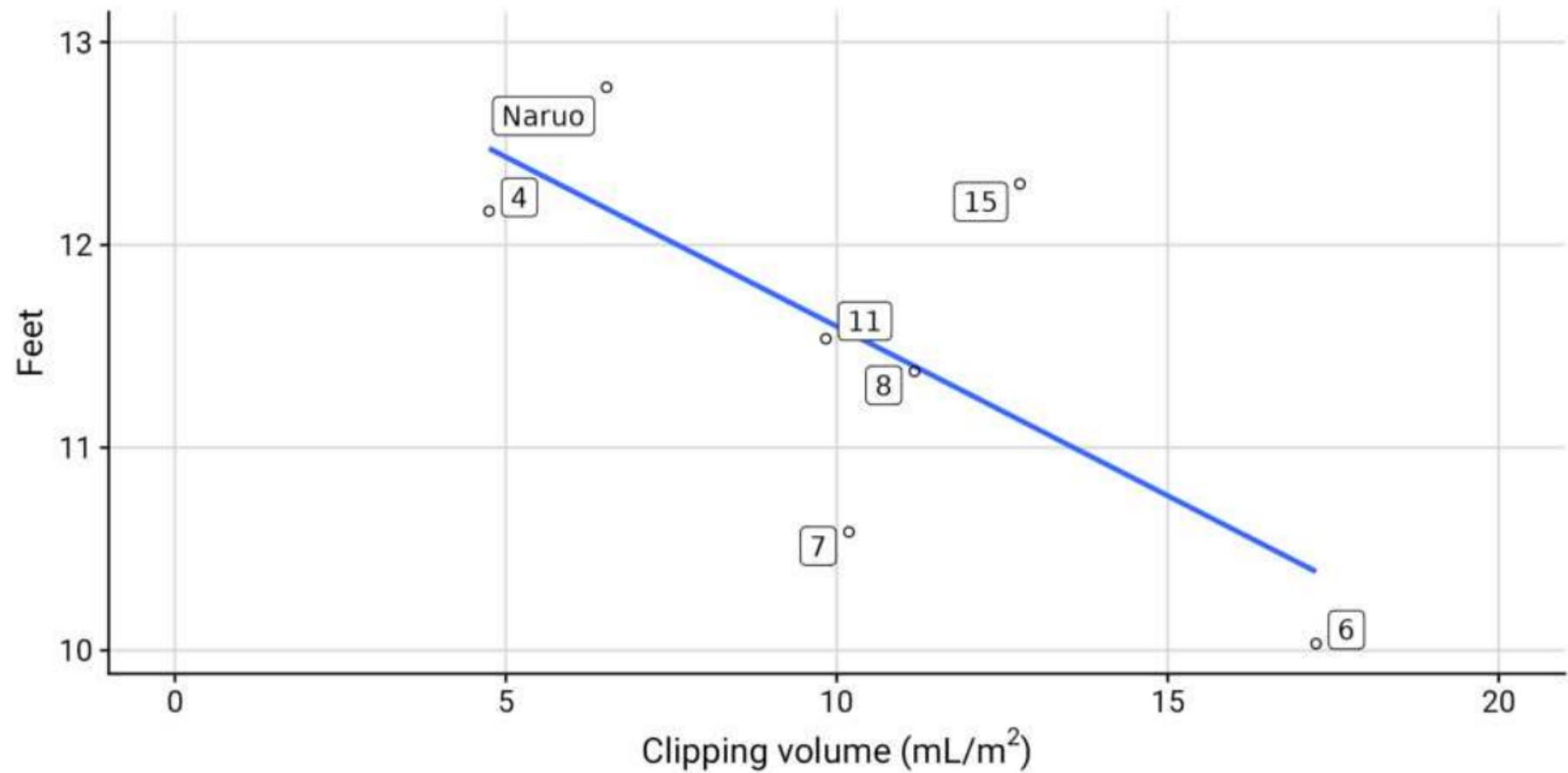


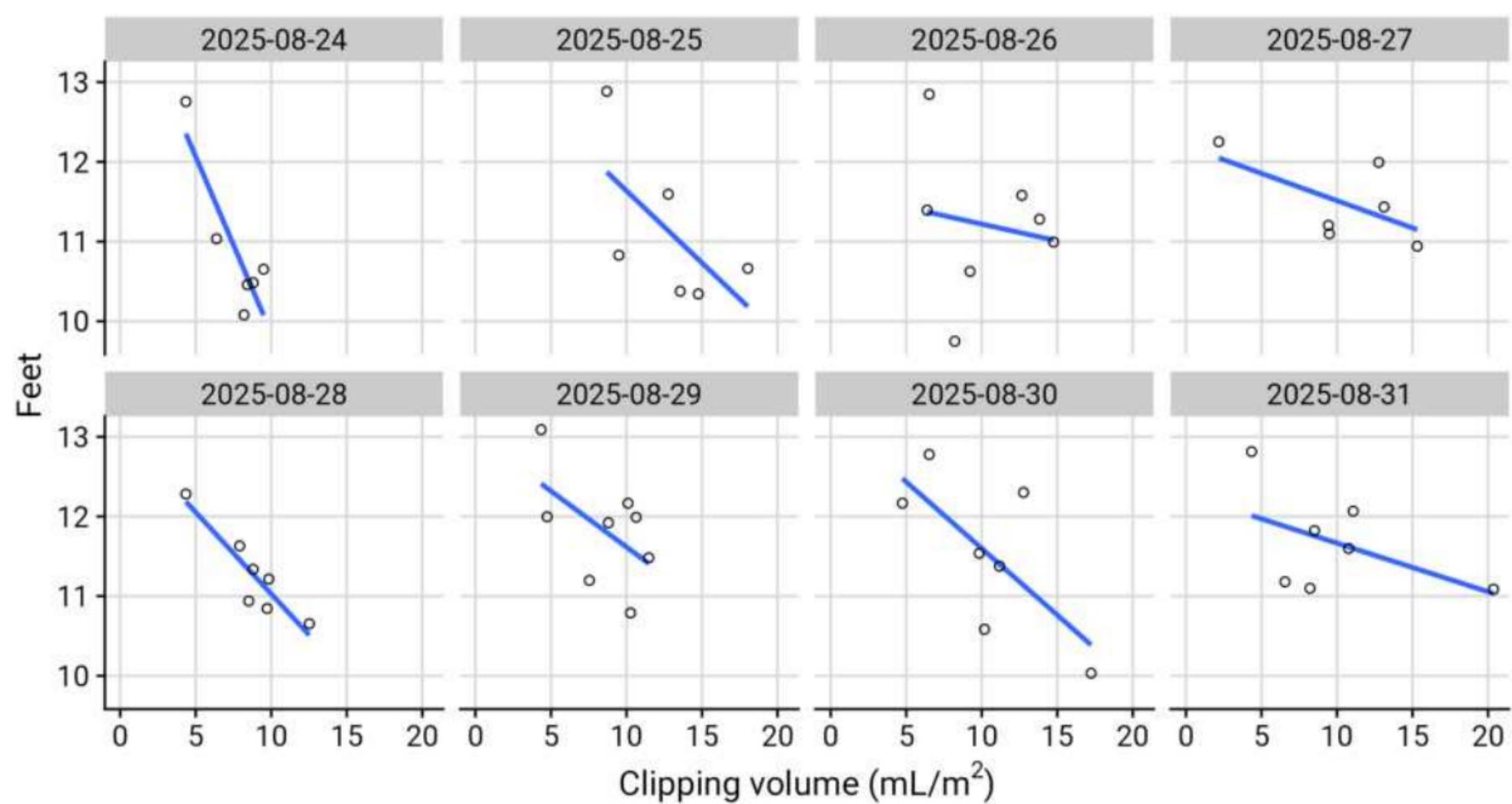
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Clipping volume is related to  
green speed

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2025-08-30

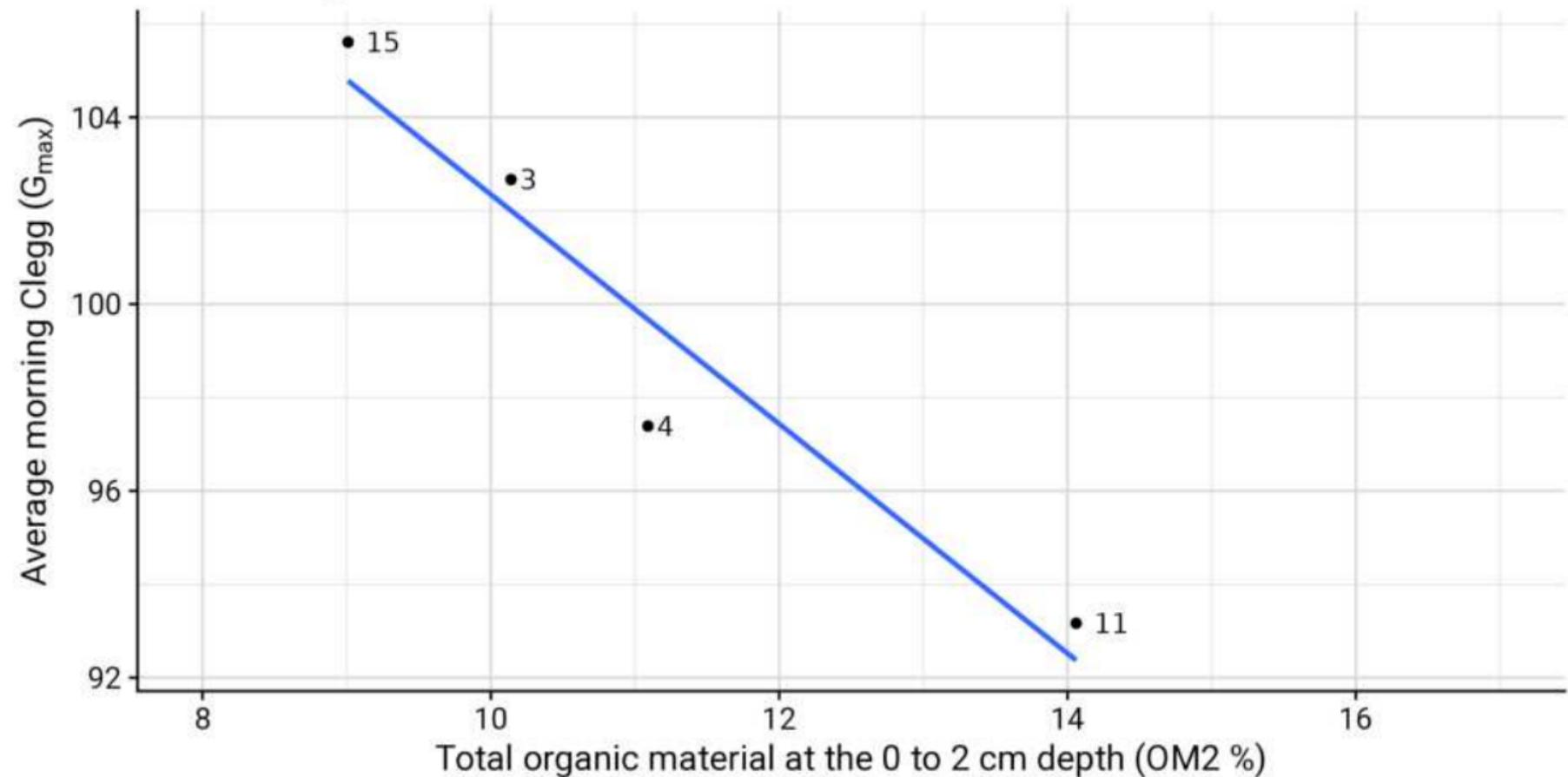




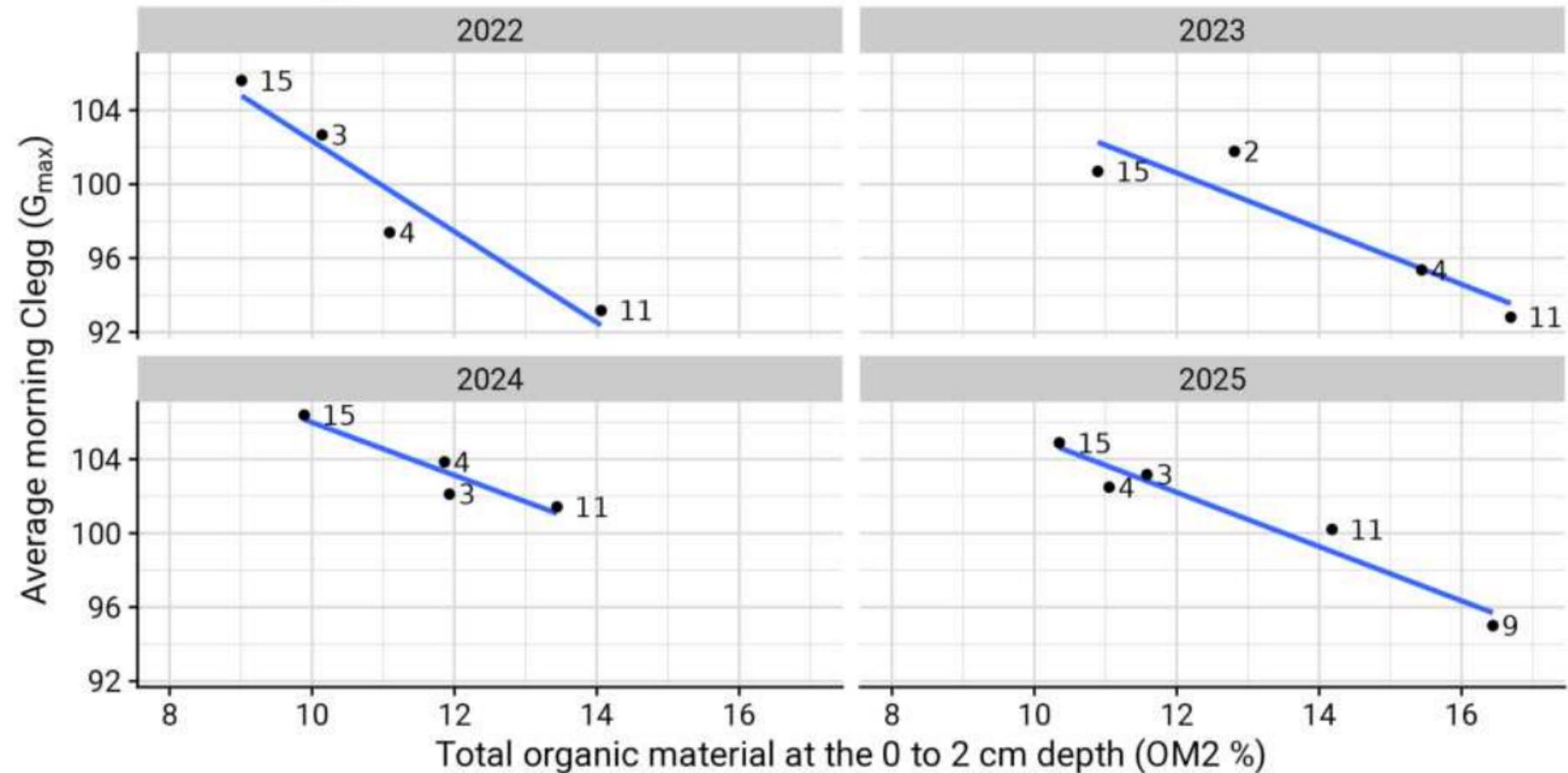
Clipping volume is related to  
green firmness

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# Individual green OM2 vs. tournament week firmness



# Individual green OM2 vs. tournament week firmness



Clipping volume is related to  
nutrient requirement

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I estimate 1 L of fresh clippings, when dried, will have a mass of **63 g**.

Or, 1 gallon of fresh clippings, when dried, will have a mass of about **0.53 pounds**.

For *Zoysia*, I estimate 1 L of fresh clippings, when dried, will have a mass of **110 g**.

Or, 1 gallon of fresh clippings, when dried, will have a mass of about **0.92 pounds**.

# Normal nutrient content of bermudagrass leaves

Element	Concentration (%)		
	10 <sup>th</sup> percentile	Median	90 <sup>th</sup> percentile
N	2.7	3.9	5.2
P	0.23	0.40	0.57
K	0.85	1.4	1.9
Ca	0.14	0.32	0.49
Mg	0.11	0.17	0.23
S	0.24	0.40	0.54

# Normal nutrient content of seashore paspalum leaves

Element	Concentration (%)		
	10 <sup>th</sup> percentile	Median	90 <sup>th</sup> percentile
N	1.9	3.3	4.6
P	0.15	0.35	0.52
K	1.5	2.1	2.7
Ca	0.07	0.27	0.45
Mg	0.12	0.18	0.24
S	0.53	0.71	0.88

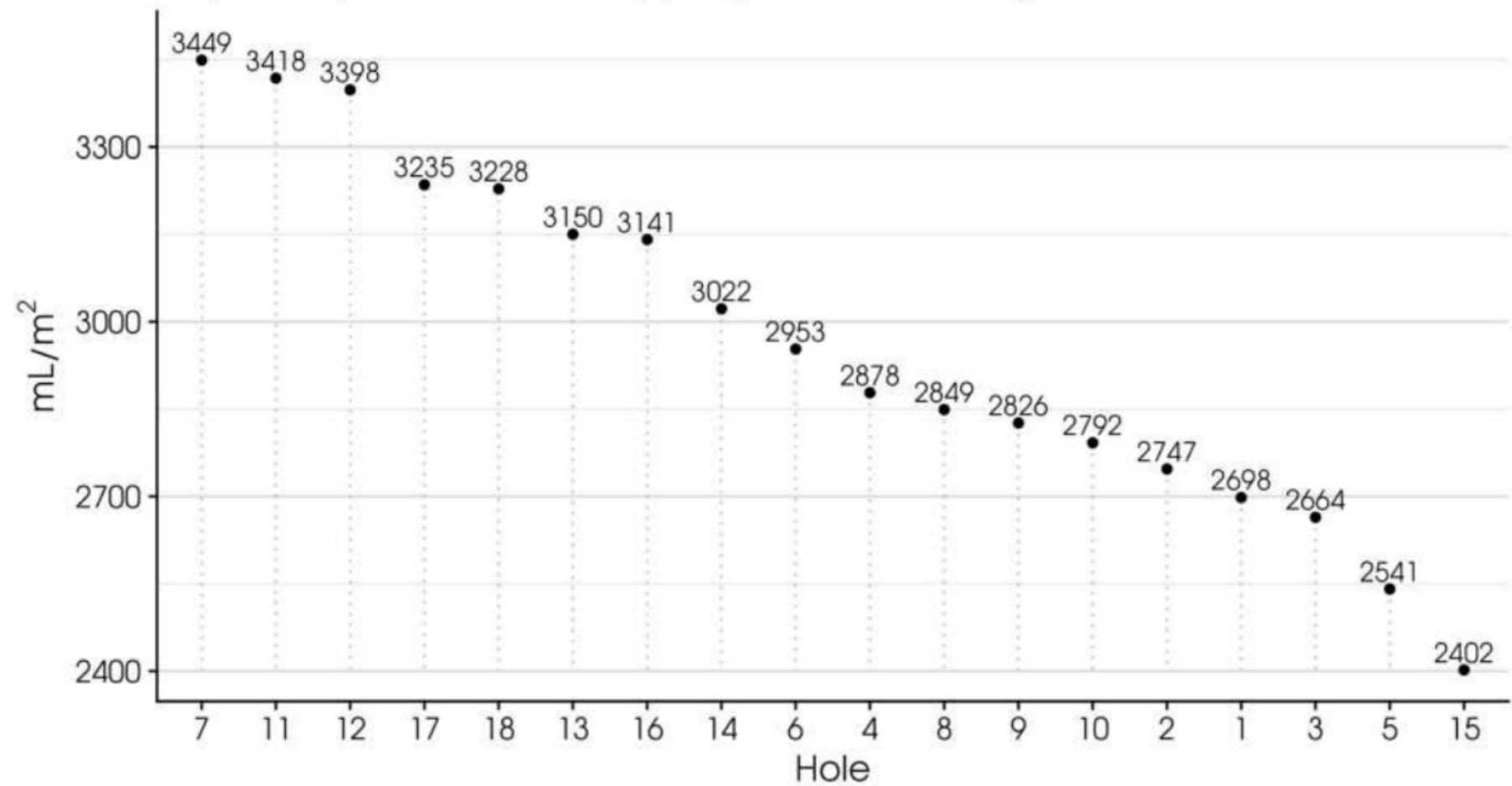
## Normal nutrient content of *Zoysia matrella* leaves

Element	Concentration (%)		
	10 <sup>th</sup> percentile	Median	90 <sup>th</sup> percentile
N	0.98	2.3	3.5
P	0.11	0.27	0.44
K	0.49	1.0	1.6
Ca	0.06	0.24	0.41
Mg	0.05	0.11	0.17
S	0.14	0.29	0.44

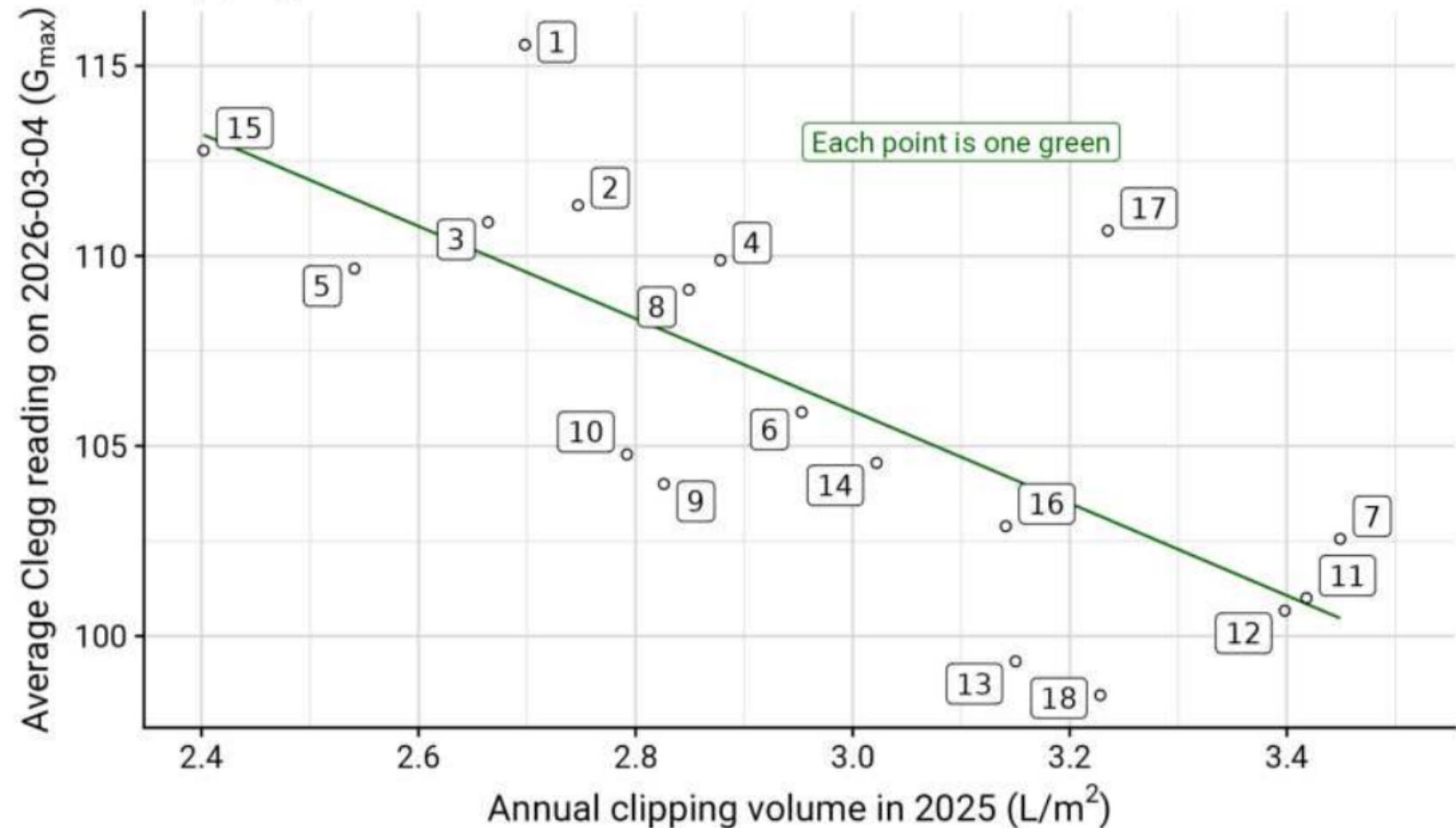
Clipping volume is related to  
sand requirement

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# Keya GC year-to-date clipping volume through 2025-11-29



# Clipping volume vs. surface firmness



# Why measure clipping volume?

1. Improve cutting unit consistency
2. Green speed management
3. Green firmness management
4. Precise nutrient management
5. Improved sand (organic matter) management

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