



Importance of Supplementing Healthy Heavy Cows Calves Rancher \$\int \frac{1}{2} \tag{1} \tag{1} \tag{2} \tag

Where to Start • Forage Sampling • Nutritional Requirements • Meeting Requirements Estimating the Cost • Implement Supplementation Plan

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Forage Nutrition in South Florida

Bahiagrass

CP% - 6.8 + 3

TDN% - 50 ± 3

Bermudagrass

CP% - 11.1 + 3.7

TDN% - 53 <u>+</u> 2

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Limpograss (hemarthria)

CP% - 8 <u>+</u> 3 TDN% - 52 <u>+</u> 5

Stargrass

CP% - 4.1 <u>+</u> 3 TDN% - 53 <u>+</u> 9

Cow Nutrition Average Requirements

1,100 lb lactating cow (10 lbs peak milk)

210 Days

(September-March)

DMI - 24 LBS/DAY CP - 1.92 LBS/DAY (8.3%) TDN - 13.00 LBS/DAY (54.2%)



What We Know, What we Have, & What We Need



Cow Requirement: CP - 1.92 LBS/DAY TDN - 13.00 LBS/DAY

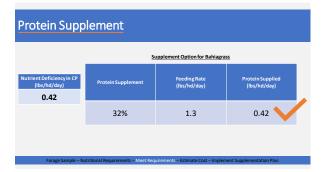


Nutrient Deficit:

CP - 0.42 LBS/DAY TDN - 2.00 LBS/DAY

orage Sample – Nutritional Requirements – Meet Requirements – Estimate Cost – Implement Supplementation Plan

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What's the Total Cost? Grazing Bahiagrass Lbs of protein/Hd protein Lbs of liquid feed Tons \$/Ton Total Cost Total Cost/Hd 0.42 8,820 27,563 14 \$375 \$5,250 \$52.50 100 head of 1,100 lb cows in lactation stage, 210 days of supplement, 32% protein

What are the Options?

Supplement: Maintains BCS of 5 Sell Weaned Calf

Weaning Rate: 77% Weaning Wt.: 525 lbs Pregnancy Rate: 80%

No Supplement: BCS falls to 4

Sell Weaned Calf Weaning Rate: 73% Weaning Wt.: 518 lbs Pregnancy Rate: 75%

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Recap/Summary
100 Head of Cows Grazing Bahiagrass Supplement 32% protein liquid feed, 210 days \$5,250
Option 1: Supplement 77 weaned calves, 525 lbs

\$247.01/cwt 23 Cull Cows, 1,100 lbs \$1.05/cwt

Option 2: No Supplement 73 weaned calves, 518 lbs \$247.01/cwt 27 Cull Cows, 1,000 lbs \$0.90/cwt

	Supplement	No Supplement
Calf Revenue	\$99,849.75	\$93,400.58
Cull Cow Revenue	\$26,565.00	\$24,300.00
Cost	\$5,250.00	\$0.00
Profit	\$121,164.75	\$117,700.58

Difference

\$3,464.17

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What does this mean for Spring 2024 Weaning?

	Supplement	No Supplement
Calf Revenue	\$117,232.50	\$109,660.60
Cull Cow Revenue	\$26,565.00	\$24,300.00
Cost	\$5,250.00	\$0.00
Profit	\$138,547.50	\$133,960.60
	Difference	
	\$4,586.90	
	Cull Cow Revenue	Calf Revenue \$117,232.50 Cull Cow Revenue \$26,565.00 Cost \$5,250.00 Profit \$138,547.50 Differ

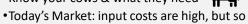
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Key Takeaways:

•Sample your forages/hay



•Know your cows & what they need



- are calf prices
- •Supplementing is an **investment.**

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