Case Study: Foliar Applied

alphajoule™

Location: Coleman, WI   Oconto County

Planted: Spring 2018 with oats nurse crop

Alfalfa Variety: Nexgrow HarvXtra®

Harvest Dates: Third crop cut on July 31, 2019, fourth crop cut on August 31, 2019

Comment: alphajoule™ BioStimulant was applied to 20 acres of this large, aggressively managed field on July 17, 2019, to the third crop regrowth and to the fourth crop regrowth on August 8, 2019. Also, on August 8, alphajoule was applied to an acreage that had not received the treatment on July 17th. The results for the area receiving only the fourth crop treatment is designated as 1X and the area receiving alphajoule to the third and fourth crops is designated as 2X. The season total results is for the area receiving two applications versus the untreated acreage.

	Third Crop Results	Fourth Crop Results 2X Application	Season Total or Average	Fourth Crop Results 1X Application
Yield at 15% Moisture				
Without Treatment	1.06 T/A	0.88 T/A	1.94 T/A	0.88 T/A
With alphajoule	1.26 T/A	1.21 T/A	2.47 T/A	0.95 T/A
Advantage	+19%	+37%	+27%	+8%
Crude Protein				
Without Treatment	24.00%	27.73%	25.89%	27.73 %
With alphajoule	25.23%	29.89%	27.56%	28.75%
Advantage	+5%	+8%	+7%	+4%
TTNDFD*				
Without Treatment	46.43	49.77	48.10	49.77
With alphajoule	47.01	54.61	50.81	51.42
Advantage	+12%	+10%	+6%	+3%
Milk/Ton				
Without Treatment	2,936 lbs	3,212 lbs	3,074 lbs	3,212 lbs
With alphajoule	2,991 lbs	3,326 lbs	3,159 lbs	3,207 lbs
Advantage	+2%	+4%	+3%	=
Milk/Acre				
Without Treatment	3,117 lbs	2,815 lbs	5,932 lbs	2,826 lbs
With alphajoule	3,769 lbs	4,025 lbs	7,794 lbs	3,047 lbs
Advantage	+21%	+43%	+31%	+8%
alphajoule Foliar Applied Economic Impact	65,000 lbs more milk per 100 acres or $10,000 at $16/cwt milk	121,000 lbs more milk per 100 acres or $19,000 at $16/cwt milk	+$29,000 per 100 acres	22,000 lbs more milk per 100 acres or $3,500 at $16/cwt milk

Third Crop Harvest

AGROVIVE™

* TTNDFD = Total Track Neutral Fiber Digestibility. Reflects real cow digestion and performance by forecasting how high producing cows will react to a forage before feeding it. Score of 37 = minimum, 48 = the goal.

For More Information:

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