

Case Study: Seed Applied

alphaTMjoule

Location: Cuba City, WI

Grant County

Planted: April 26, 2019 with forage oats

Alfalfa Variety: Alforex Seeds AFX 469 with Nitro-Coat®

Harvest Dates: First crop oatlage, June 30, 2019, second crop pure alfalfa, July 30, 2019, third crop pure alfalfa September 5, 2019

Comment: The photo below, taken on August 21, 2019, demonstrates the effect of alphajoule™ on the above and below ground development of alphajoule treated seed. The chart below shows the yield and impact of alphajoule when seed applied to high yielding alfalfa genetics during the stand establishment year.

	Second Crop Results	Third Crop Results	Season Total or Average
Yield at 15% Moisture			
Without Treatment	1.71 T/A	1.23 T/A	2.94 T/A
With alphajoule	1.81 T/A	1.49 T/A	3.33 T/A
Advantage	+6%	+21%	+13%
Crude Protein			
Without Treatment	24.1%	24.5%	24.3%
With alphajoule	24.6%	24.2%	24.4%
Advantage	+2%	-1%	=
TTNDFD*			
Without Treatment	41.21	38.91	40.06
With alphajoule	42.18	36.98	39.58
Advantage	+2%	-5%	-1%
Milk/Ton			
Without Treatment	2,861 lbs	2,958 lbs	2,910 lbs
With alphajoule	2,774 lbs	2,843 lbs	2,809 lbs
Advantage	-3%	-4%	-4%
Milk/Acre			
Without Treatment	4,892 lbs	3,638 lbs	8,530 lbs
With alphajoule	5,021 lbs	4,236 lbs	9,257lbs
Advantage	+3%	+16%	+9%
alphajoule Seed Applied Economic Impact	12,900 lbs more milk per 100 acres or \$2,000 at \$16/ctw milk	59,800 lbs more milk per 100 acres or \$9,500 at \$16/ctw milk	+\$11,500 per 100 acres

Third Crop Side-By-Side



With alphajoule™
BioStimulant

Without Treatment

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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