



# ALFALFA FOLIAR RESEARCH IN WISCONSIN

At The Andersons, we are continually focused on researching the best products to apply to your crop to maximize your yield and return on investment. In this technical bulletin, we take a look at the research results from the second year of testing on a stand of alfalfa in Wisconsin. The overall goal of this second-year trial was to analyze the impact of First Pass® with boron, calcium, and Phosfix® on dry matter yield, quality, and milk production per ton. First Pass, boron, and calcium provide early season nutrients and encourage early maturity. Phosfix improves yield by enhancing crop vigor and encouraging crop health.

In this alfalfa trial conducted in Wisconsin, the use of First Pass with boron, calcium, and Phosfix resulted in significant dry matter

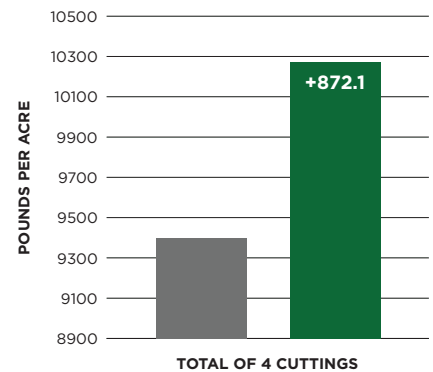
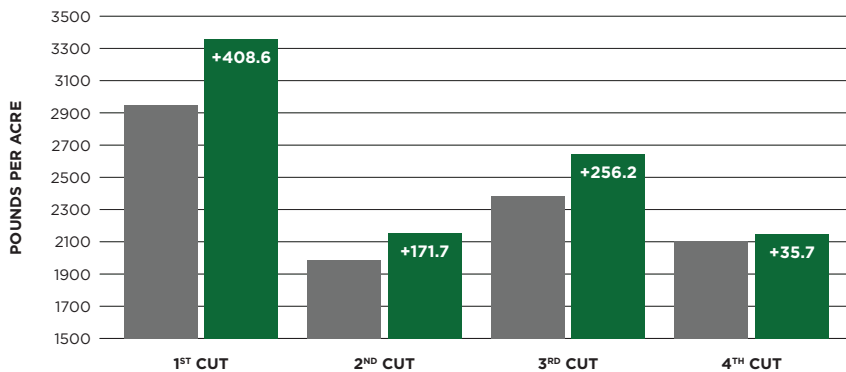
yield and quality increases which are seen in the subsequent graphs. The treatment was applied at green up (prior to the first cutting) and following each subsequent cutting. Similar increases in dry matter yield were observed last year.

In addition to the impact on dry matter yield, the First Pass treatment also affected the quality of the alfalfa, which in turn impacts the milk production per ton. The enhancements in milk/ton were visible at the first cutting but became more pronounced with each subsequent cutting. The average milk/ton for the four cuttings combined was 869.1 lbs greater with the First Pass treatment compared to the check.

## AVERAGE DRY MATTER YIELD

Alfalfa | Wisconsin | 2016

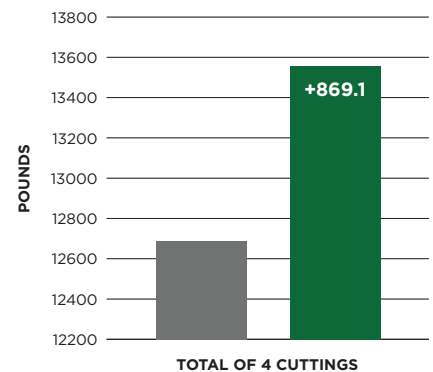
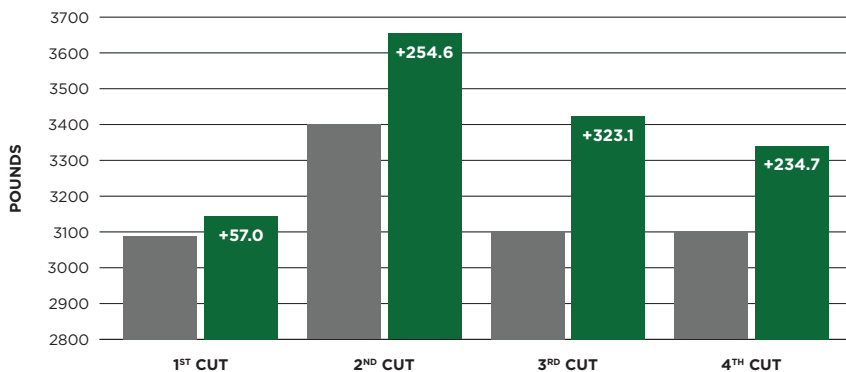
■ Check ■ First Pass® + 1 pt/A 10% Boron + 1 pt/A 3% Calcium - 3 gal/A; 1 pt/A Phosfix®



## AVERAGE MILK/TON

Alfalfa | Wisconsin | 2016

■ Check ■ First Pass® + 1 pt/A 10% Boron + 1 pt/A 3% Calcium - 3 gal/A; 1 pt/A Phosfix®



### FOR MORE INFORMATION

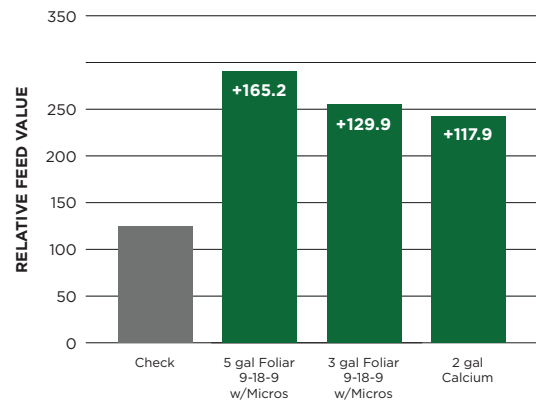
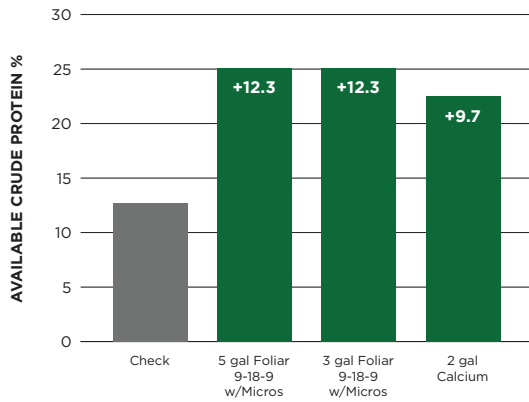
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## FIRST CUTTING—FISCHER

Alfalfa | Wisconsin

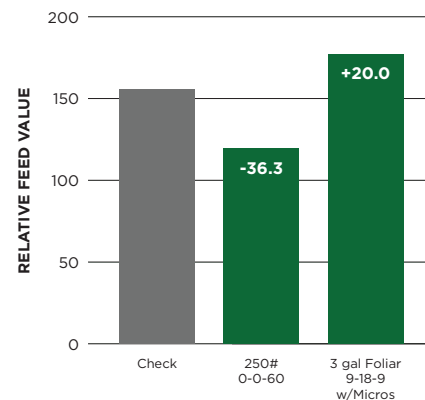
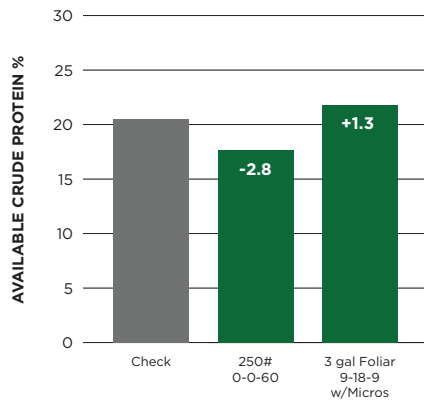


	Check	5 gal Foliar 9-18-9 w/Micros	3 gal Foliar 9-18-9 w/Micros	2 gal Calcium
<b>Available Crude Protein %</b>	12.8	25.1	25.1	22.5
<b>Relative Feed Value</b>	125.0	290.2	254.9	242.9
<b>Tons Per Acre</b>	0.6	1.6	1.6	1.1

One replication only. First cutting.

## SECOND CUTTING—SEVERAL PRODUCERS

Alfalfa | Wisconsin



	Check	3 gal Foliar 9-18-9 w/Micros	250# 0-0-60
<b>Available Crude Protein %</b>	20.5	21.8	17.7
<b>Relative Feed Value</b>	155.9	175.9	119.6

Yield was extremely low due to low rainfall during the growing period for this second cutting. Eight plots were cut for the alfalfa mix, 5 plots were cut for the 0-0-60 and 3 plots were cut for the check.



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