

Experiment Info

Objective:

Planted:	5/8/2019
Harvested:	6/12/2022
Yield Goal:	
Variety:	
Pop.:	
Row Width:	7"
Prev. Crop:	
Plot Size:	2 acres
Reps:	1

Soil Te	st (ppm)
pH:	6.2
CEC:	9.8
%OM:	4.2
Bray P1:	80
Bicarb P:	
К:	115
S:	7
%K:	3.0
%Mg:	15.9
%Ca:	68.8
%H:	12.5
Zn:	1.6
Mn:	7
B:	0.2

•Evaluate the effect of foliar applied fertilizer on yield and forage quality of a grass + alfalfa mixed forage stand.

•Control treatment was 200 lb/acre dry potash 0-0-60 broadcast after first harvest.

•AgroLiquid treatment was 200 lb/acre dry potash 0-0-60 broadcast after first harvest followed by fertiRain applied foliar at 3 gallons/acre on the same day. A second application of fertiRain at 3 gallons/acre was made after second harvest.

•Plots were harvested, and forage samples from each plot were analyzed for forage quality parameters. That information was used to estimate milk production per ton of forage and milk production per acre, using the "Milk 2006" model developed by the Univ. of Wisconsin.

2nd Harvest 3rd Harvest Crude Protein 19.70 19.55 22.95 23.50 ADF 32.90 34.00 31.60 31.00 aNDF 46.45 42.95 37.40 36.45	Average 21.33	e or Total
ADF 32.90 34.00 31.60 31.00	21.33	
		21.53
aNDF 46.45 42.95 37.40 36.45	32.25	32.50
	41.93	39.70
RFQ 154 148 156 161	155.00	154.50
NDFD 48hr 21.50 22.10 17.05 16.30	19.28	19.20
Milk/ton 2734 2727 2710 2767	2721.75	2746.75
Tons/acre dry 0.81 0.79 0.52 0.45	1.33	1.24
Milk/acre 2201 21591749 1263 1245	3620	3406

Conclusions:

•The trial area was very dry and warm during the growing season.

•Forage yield in the AgroLiquid treatment was somewhat higher than the yield in the control. This result is similar to the same trial conducted in 2021 at the Butler, PA location.

•Forage quality was similar for both the control and AgroLiquid treatments. The similar quality higher forage yield provided a higher estimated milk production in the AgroLiquid treatment compared to the control. This result is also similar to the same trial conducted in 2021 at the Butler, PA Location.