



SOY BEST®
All Natural Since 1958

Robotic Dairy Analysis



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Description of the trial

- Animals
 - 135 multiparous cows analyzed
 - 59 Control cows and 76 Gluco Best® cows
- Period
 - May 2022 through May 2023
- Treatments
 - Gluco Best cows fed 3 Lb/cow/day for 14 days after calving replacing 3 Lb of concentrate
 - All multiparous cows were analyzed

Cow Description

Calving dates

Calving Date	Control Cows, N	Gluco Best® Cows, N
May-22	0	5
Jun-22	6	4
Jul-22		
Aug-22	1	
Sep-22	1	4
Oct-22	9	7
Nov-22	4	7
Dec-22	6	7
Jan-23	4	5
Feb-23	13	6
Mar-23	5	11
Apr-23	9	14
May-23	1	6
Total	59	76

Cow Description

Days in Milk

Amount of Cows per period	Control, Cow N	Gluco Best®, Cow N
0-30, DIM	59	76
30-60, DIM	59	76
60-90, DIM	59	76
90-120, DIM	59	76
120-150, DIM	59	76
150-180, DIM	56	74
180-210, DIM	56	59
210-240, DIM	51	59
240-270, DIM	43	50
270-300, DIM	30	36



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Weight Difference

	Control	Gluco Best®	SEM	P value	Diff
Initial Body Weight, Lb-cow	1535	1525	25		
Weight difference, Lb cow	-51.7	-27.45	10	0.0778	-24.25
	Control	Gluco Best	SEM	P value	Diff
0-30, DIM	-55.72d	-42.86de	9.86		12.86
30-60, DIM	-69.34d	-44.17cd	9.86	<0.001	25.17
60-90, DIM	-50.3d	-21.56b	9.86		28.74
90-120, DIM	-31.45bc	-1.22a	9.86		30.23

Initial body weight - average body weight of the period

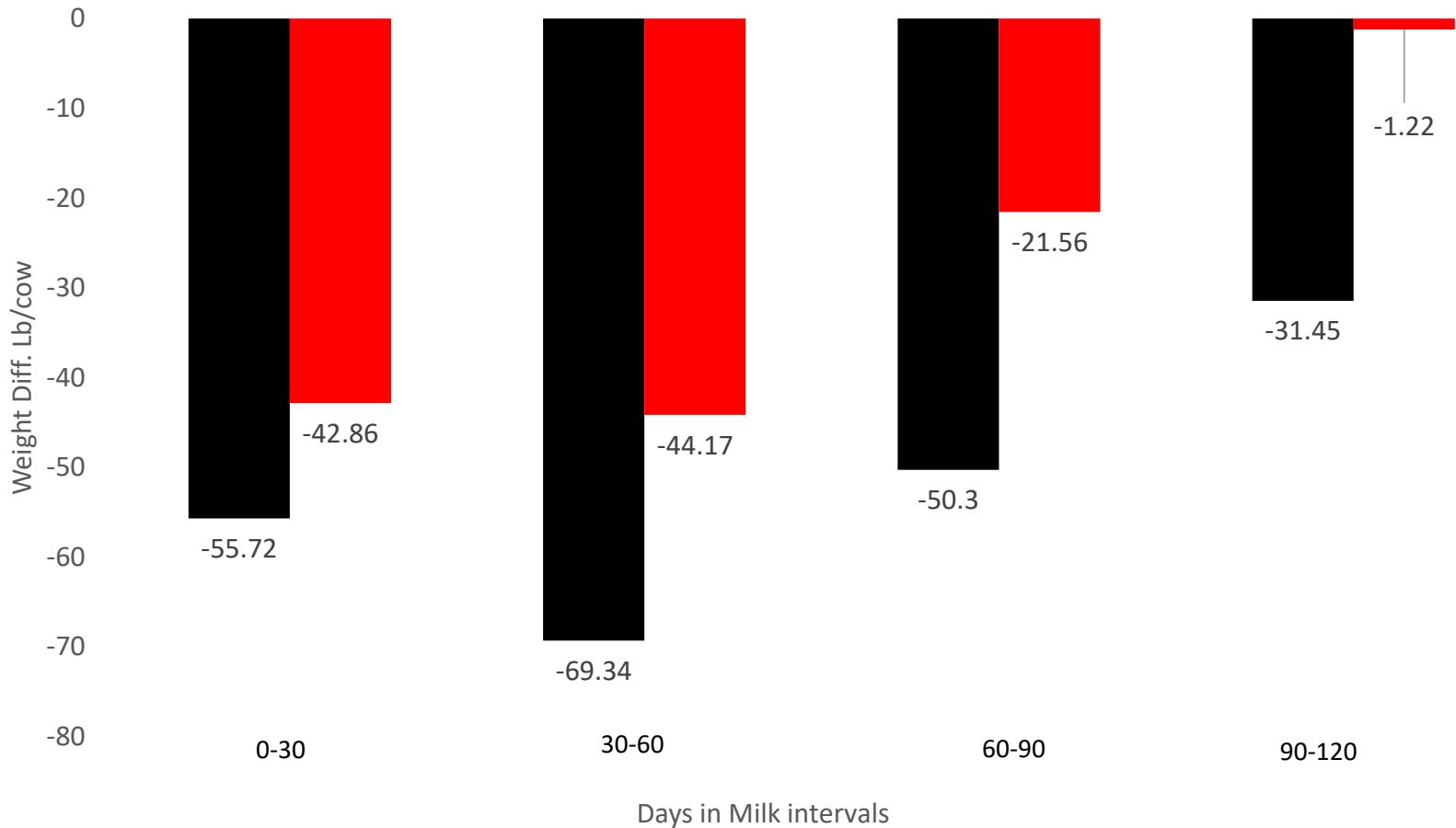


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Weight Difference Lb-cow





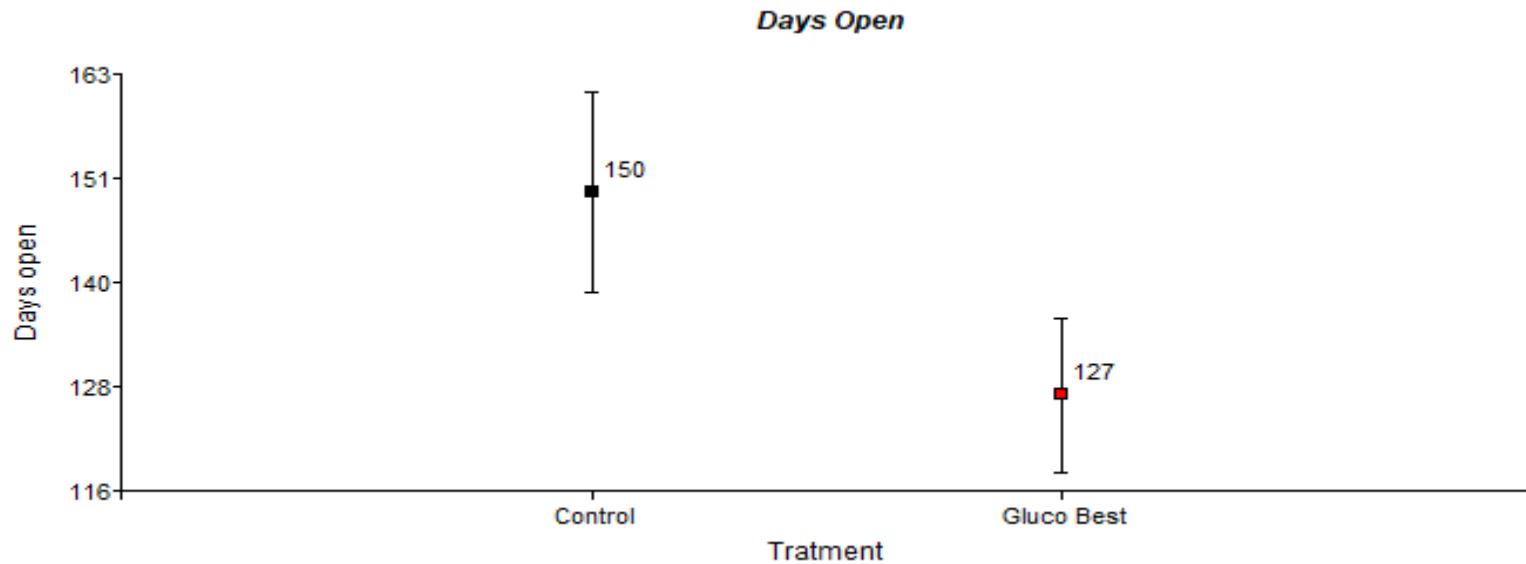
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Gluco Best® Days Open

	Control	Gluco Best	SEM	P Value
Cows, N	59	76		
Days open, d	150	127	10.28	0.105





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Difference in milk production (3.5% fat corrected) every 30 days

	Control	Gluco Best®	SEM	P value	Diff
Cows, N	59	76			
Fat corrected Milk 3.5%, Lb-cow	98.41	100.34	2.57	0.38	1.93
	Control	Gluco Best®	SEM	P value	Diff
0-30, DIM	104.12def	102.07def	2.59		-2.05 -61.5
30-60, DIM	112.78ab	115.96a	2.59		3.18 95.4
60-90, DIM	112.29ab	115.14a	2.59		2.85 85.5
90-120, DIM	107.39bcd	111.34bc	2.59		3.95 118.5
120-150, DIM	104.56cdef	105.84bcde	2.59	<0.00001	1.28 38.4
150-180, DIM	99.88efg	101.88def	2.59		2 60
180-210, DIM	93.71g	98.33fg	2.59		4.62 138.6
210-240, DIM	89.52hi	92.71gh	2.59		3.19 95.7
240-270, DIM	82.51jk	83.64ij	2.59		1.13 33.9
270-300, DIM	77.36jk	76.47k	2.59		-0.89 -26.7

Accounting for all the milk differences in 305 days is 577 Lb more in 305 days



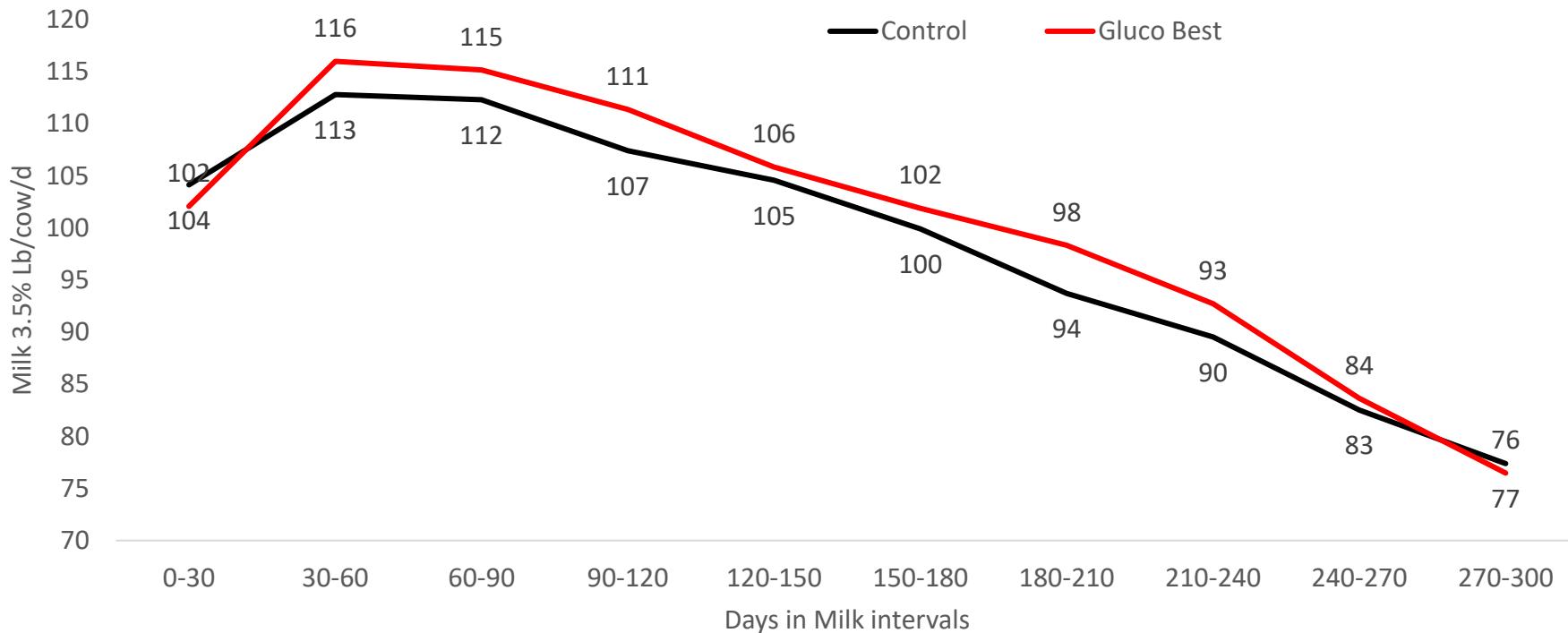
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MY 3.5% Fat 0-305 DIM





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IMY 3.5% Fat 0-305 DIM by season

Fat corrected Milk 3.5%	Control	Gluco Best	SEM	P vaule	Diff
Autum	97.77e	98.83de	2.57		1.06
Spring	103.32cd	105.89bc	2.57	<0.001	2.57
Summer	94.08e	99.77de	2.57		5.69
Winter	109.01ab	111.89a	2.57		2.88



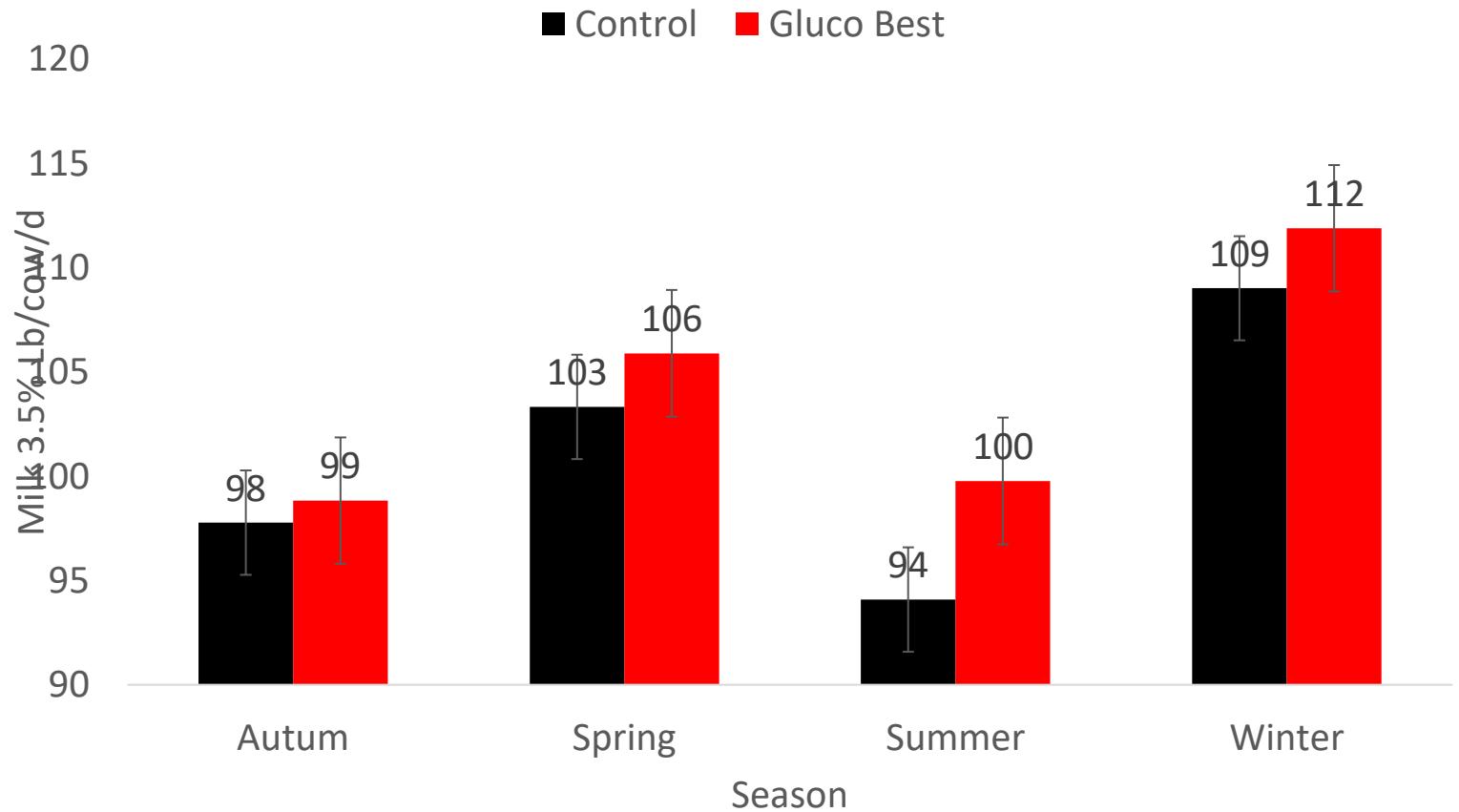
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Gluco Best®

MY 3.5% Fat by season



Conclusions

- Body weight
 - Gluco Best lowered the weight loss the first 90 days
- Fat corrected Milk 3.5%
 - Gluco Best fed cows produced over 500lb more milk than the control diet.
 - Gluco Best fed cows produced more milk in every season.