

Sheet1

3 STREAMS FARM TRIAL Summary of leaf-silage & hay amounts eaten\* by goats & steer  
with computations of milk yield/DM, \$\$ savings, etc. at bottom of sheet \* 1<sup>st</sup>-cut hay is eaten plus wasted

	Rotation A Leaf-silage	lbs leaf-s in 2 hrs 10 goats	lbs leaf-s in 2 hrs steer	lbs leaf-s left-o goats ate	total lbs leaf-s eaten	lbs DM leaf-s (40%)	lbs 1 <sup>st</sup> -cut hay	lbs DM hay (80%)	lbs DM leaf-s + hay	lbs. milk total	hrs. milk period	lbs. milk adjusted to 24 hrs.	time milked
T1A L	12/16/23	23	9				32.81			5.25	29	4.34	4 PM
T2A L	12/17/23	37.25	6.5				29			3.5	18.5	4.54	10:35 AM
T3A L	12/18/23	21.5	13.5				29			5.25	26.5	4.75	1 PM
T4A L	12/19/23	31.5	12				40			5	24.75	4.85	1:50 PM
	Average/day	28.31	10.25	8.22	46.78	18.71	32.7	26.16	44.87	4.75	24.69	4.62	
1A L	12/20/23	46.75	15.25				40			4.75	22	5.18	11:45 AM
2A L	12/21/23	31.25	10				40			4.75	23.75	4.8	11:30 PM
3A L	12/22/23	41.5	14.5				40			5	26	4.62	1:15 PM
4A L	12/23/23	30.25	12				32			5	24	5	1:15 PM
5A L	12/24/23	38.75	11.5				31.6			5.25	23.75	5.31	1 PM
6A L	12/25/23	46	20				32			5.5	24.25	5.44	1:10 PM
7A L	12/26/23	54.25	14				31.6			5.5	25.5	5.18	2:35 PM
W	12/27/23	Wandering day					{37.26}			(5)	(24)	(5)	2:30 PM
	Average/day	41.25	13.89	8.22	63.36	25.34	35.31	28.25	53.59	5.11	24.18	5.08	

	Rotation A Hay only	lbs 2 <sup>nd</sup> -cut hay 2 hrs 10 goats	lbs 2 <sup>nd</sup> -cut hay 2 hrs steer	lbs 2 <sup>nd</sup> -cut left-o goats ate	lbs 2 <sup>nd</sup> -cut hay total	lbs DM 2 <sup>nd</sup> -cut (80%)	lbs. 1 <sup>st</sup> -cut hay	lbs DM 1 <sup>st</sup> - cut (80%)	lbs DM 1 <sup>st</sup> +2 <sup>nd</sup> -cut hay	lbs. milk total	hrs. milk period	lbs. milk adj to 24 hrs.	time milked
T1A H	12/28/23	15	6.5	gave to No		21.5	26.25		38.2				
T2A H	12/29/23	17.25	11.5	1.75	30.5		26.25		45.4				
T3A H	12/30/23	14.5	14.25	5.75	34.5		34		54.8				
T4A H	12/31/23	10.75	9	14.25	34		15		39.2	6	24		
	Average/day	16	11	30.125	25.375		52.44		44.4				
1A H	01/01/24	17.5	11.75	2.5	31.75		30		49.4	6.25	24.5		
2A H	01/02/24	15.75	9.5	1.5	26.75		45		57.4	5.75	24		
3A H	01/03/24	18.5	9.5	2.75	30.75		29		47.8	6	23.5		
4A H	01/04/24	18.25	10.25	2	30.5		38		54.8	6.5	25		
5A H	01/05/24	18	10	0.75	28.75		39		54.2	5.5	23.5		
6A H	01/06/24	21.75	14.25	1	37		30.5		54	5.5	24		
7A H	01/07/24	20.75	14.5	3	38.25		38		61	5.5	23.5		
	Average/day	18.64	11.39	1.93	31.96	25.57	35.64	28.51	54.09	5.86	24	5.86	

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	Rotation B Leaf-silage	lbs leaf-s in 2 hrs 10 goats	lbs leaf-s in 2 hrs steer	lbs leaf-s left-o goats ate	lbs leaf- silage total	lbs DM leaf-s (40%)	lbs 1 <sup>st</sup> -cut hay	lbs DM hay (80%)	lbs DM leaf-s + hay	lbs. milk total	hrs. milk period	lbs. milk adjusted to 24 hrs.	time milked
T1B L	01/08/24	48	13		61	24.4	21.5	17.2					
T2B L	01/09/24	40.5	9.5		50	20	38.25	30.6					
T3B L	01/10/24	53.75	8.25		62	24.8	38.25	30.6					
T4B L	01/11/24	39	16.25		55.25	22.1	**52	41.6					** in 32½ hrs
	Average/day	45.31	11.75		57.06	22.825	32.67	30					
1B L	01/12/24	33	17.5	5.25	55.75	22.3	46	36.8	59.1	5.125	22.5	5.47	
2B L	01/13/24	37.25	8.5	5	50.75	20.3	34.25	27.4	47.7	5.375	24.75	5.21	
3B L	01/14/24	27.75	10	7	44.75	17.9	34.25	27.4	45.3	5.5	23	5.74	
4B L	01/15/24	41.5	11	11.25	63.75	25.5	26	20.8	46.3	5.25	22.75	5.54	
5B L	01/16/24	43	9.5	8.75	61.25	24.5	58	46.4	70.9	5.5	24	5.5	
6B L	01/17/24	38	13.25	11	62.25	24.9	40	32	56.9	5.75	25.25	5.47	
7B L	01/18/24	33.5	17.5	5.25	56.25	22.5	36.5	29.2	51.7	5.75	23.25	5.94	
	Average/day	36.29	12.46	7.64	56.39	22.56	39.29	31.43	50.93	5.46	23.64	5.55	

	Rotation B Hay only	lbs 2 <sup>nd</sup> -cut hay 2 hrs 10 goats	lbs 2 <sup>nd</sup> -cut hay 2 hrs steer	lbs 2 <sup>nd</sup> -cut left-o goats ate	lbs 2 <sup>nd</sup> -cut hay total	lbs DM 2 <sup>nd</sup> -cut (80%)	lbs. 1 <sup>st</sup> -cut hay	lbs DM 1 <sup>st</sup> - cut (80%)	lbs DM 1 <sup>st</sup> +2 <sup>nd</sup> -cut hay	lbs. milk total	hrs. milk period	lbs. milk adjusted to 24 hrs.	time milked
T1B H	01/19/24	29.75	9	included	38.75	31	33.25	26.6	57.6	6.125	27.75		
T2B H	01/20/24	25.75	11	included	36.75	29.4	30.25	24.2	53.6	5	21.75		
T3B H	01/21/24	21.75	12.25	0.75	34.75	27.8	26	20.8	48.6	5.75	24		
T4B H	01/22/24	23	13.25	1	37.25	29.8	35.25	28.2	58	5.875	23.25		
	Average/day	25.06	11.37	0.88	37	29.6	31.19	24.95	54.45	5.69	24.19	5.65	
1B H	01/23/24	20.625	9.5	1.25	31.625	25.3	31.25	25	50.3	6.5	24		
2B H	01/24/24	23.25	14	1.5	38.75	31	45.75	36.6	67.6	7	24.75		
3B H	01/25/24	20	14.5	1	35	28	33	26.4	54.4	7	24.5		
4B H	01/26/24	21	10.75	6.75	38.5	30.8	25.5	20.4	51.2	6.25	22.5		
5B H	01/27/24	22.75	12	0.25	35	28	21.5	17.2	45.2	7.125	24		
6B H	01/28/24	21	13.25	2	36.25	29	36.5	29.2	58.2	7.375	24.5		
7B H	01/29/24	22	14.5	1.5	38	30.4	35.25	28.2	58.6	6.5	23.5		
	Average/day	21.52	12.64	2.04	36.16		32.68	26.14	55.07	6.82	23.96	6.83	

	Rotation C Leaf-silage	lbs leaf-s in 2 hrs 10 goats	lbs leaf-s in 2 hrs steer	lbs leaf-s left-o goats ate	lbs leaf- silage total	lbs DM leaf-s (40%)	lbs 1 <sup>st</sup> -cut hay	lbs DM hay (80%)	lbs DM leaf-s + hay	lbs. milk total	hrs. milk period	lbs. milk adjusted to 24 hrs.	time milked
T1C L	01/30/24	39.5	11.5	10	61	24.4	32.75	26.2	50.6	6.5	24	6.5	2:25 PM
T2C L	01/31/24	32.25	11.25	6.5	50	20	44.5	35.6	55.6	6.125	24.5	6	2:55 PM
T3C L	02/01/24	18.75	8.5	9.5	36.75	14.7	36.5	29.2	43.9	5.5	21	6.29	12 noon
T4C L	02/02/24	34	9.75	5.5	49.25	22.14	***67	53.6	75.74	6.5	24.5	6.37	
	Average/day	51.125	10.25	7.875	49.25	20.31	****45.19	36.15	56.46	6.16	23.5	6.29	

\*\*\* in 28 hrs.  
\*\*\*\* ave 1hr  
more/day: shifted trial  
periods for SW  
webinars

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	Rotation C Leaf-silage continued	lbs leaf-s in 2 hrs 10 goats	lbs leaf-s in 2 hrs steer	lbs leaf-s left-o goats ate	lbs leaf- silage total	lbs DM leaf-s (40%)	lbs 1 <sup>st</sup> -cut hay	lbs DM hay (80%)	lbs DM leaf-s + hay	lbs. milk total	hrs. milk period	lbs. milk adjusted to 24 hrs.	time milked
1C L	02/03/24	41.25	10	1	52.25	20.9	45.5	36.4	57.3	6.25	19.245	7.79	
2C L	02/04/24	51.25	13	included	64.25	25.7	32.5	26	51.7	6	24.5		
3C L	02/05/24	47	7.5	2	56.5	22.6	50.75	40.6	63.2	6.625	24		
4C L	02/06/24	48.5	8.5	2.75	59.75	23.9	40.25	32.2	56.1	6.75	24.75		
5C L	02/07/24	37.75	9.25	8.25	55.25	22.1	40	32	54.1	6.625	24.25		
6C L	02/08/24	51.5	15	7.75	74.25	29.7	38.75	31	60.7	6.5	24.25		
7C L	02/09/24	39.5	11	6.5	57	22.8	37.75	30.2	53	6.375	23.5		
Average/day		45.25	10.61	6.45	59.89	23.96	40.79	32.63	56.58	6.45	23.5	6.59	

	Rotation C Hay only	lbs 2 <sup>nd</sup> -cut hay 2 hrs 10 goats	lbs 2 <sup>nd</sup> -cut hay 2 hrs steer	lbs 2 <sup>nd</sup> -cut left-o goats ate	lbs 2 <sup>nd</sup> -cut hay total	lbs DM 2 <sup>nd</sup> -cut (80%)	lbs. 1 <sup>st</sup> -cut hay	lbs DM 1 <sup>st</sup> - cut (80%)	Lbs DM 1 <sup>st</sup> +2 <sup>nd</sup> -cut hay	lbs. milk total	hrs. milk period	lbs. milk adjusted to 24 hrs.	time milked
T1C H	02/10/24	16.25	11.5	2.5	30.25		37.75	30.2	54.4	6.5	25.5		
T2C H	02/11/24	20	11	not left	31		45.25	36.2	61	5.75	22.5		
T3C H	02/12/24	20	13	not left	33		39.25	31.4	57.8	6.5	24.25		
T4C H	02/13/24	18.5	13.5	0.5	32.5		40	32	58	7	24		
Average/day		18.69	12.25	1.5	31.69	25.35	40.56	32.45	57.8	6.44	24.06	6.43	
1C H	02/14/24	22	11.5	2.5	36	28.8	32	25.6	54.4	6.375	24	6.375	
2C H	02/15/24	23.25	8.25	not left	31.5	25.2	33.25	26.6	51.8	5.125	19.75	6.23	
3C H	02/16/24	18.25	11	g 3½ hrs	29.25	23.4	33.5	26.8	50.2	6.875	24.25	6.8	
4C H	02/17/24	left 24 hrs	11	23	34	27.2	36.25	29	56.2	6.125	21	7	
5C H	02/18/24	24	14	2.25	40.25	32.2	36.25	29	61.2	7.5	27.5	6.55	
6C H	02/19/24	10.25	11.75	13.75	35.75	28.6	29.5	23.6	52.2	6.625	23	6.91	
7C H	02/20/24	22.25	13.5	0.75	36.5	29.2	39.75	31.8	61	7.375	25.5	6.94	
Average/day		20	11.57	8.45	34.75	27.8	34.36	27.49	55.29	6.57	23.57	6.69	

DAILY AVERAGES PER TRIAL PERIOD:

Trans. Period	lbs. DM leaf-silage goats only	lbs. DM leaf-s total	lbs. DM 1 <sup>st</sup> -cut hay total	lbs. DM leaf-s + hay	lbs. milk total	milking period, hrs.	milk total adj. to 24 hrs.	Measurement Per.	lbs fresh leaf-s total	lbs. DM leaf-s goats	lbs. DM leaf-s total	lbs. DM 1 <sup>st</sup> -cut hay total	lbs. DM leaf- silage + hay	lbs. milk total adjusted to 24 hrs.
TA L		18.71	26.16	34.87	4.75	24.69	4.62	A L	63.36	19.79	25.34	28.25	53.59	5.08
TB L								B L	56.39	17.57	22.56	31.43	50.93	5.55
TC L								C L	59.89	20.68	23.96	32.63	56.58	6.59
Av./per.								Av./per.	59.88	19.35	23.95	30.77	53.7	6.07

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Trans. Period	lbs. DM cut hay only	2 <sup>nd</sup> -cut hay total	lbs. DM 1 <sup>st</sup> -cut hay	lbs. DM hay total	lbs. milk total	milking period, hrs.	milk total adj. to 24 hrs.	Measurement Per.	lbs. DM 2 <sup>nd</sup> -cut goats	lbs. DM 2 <sup>nd</sup> -cut hay total	lbs. DM 1 <sup>st</sup> -cut hay	lbs. DM hay total	lbs. milk total adjusted to 24 hrs.
TA H								A H	16.46	25.57	28.51	54.08	5.86
TB H								B H	18.85	28.93	26.14	55.07	6.83
TC H	16.15	25.35	32.45	57.8	6.44	24.06	6.43	C H	22.76	27.8	27.49	55.29	6.69
Av./per.								Av./per.	19.36	27.43	27.38	54.81	6.46

- 30 Av. leaf-s DM M-Periods Steer + Goats, translated into equivalent lbs. 2<sup>nd</sup> cut hay as fed
- 24 Av. leaf-s DM M-Periods Goats only, translated into lbs. 2<sup>nd</sup> cut hay as fed
- 6 Av. leaf-s DM M-Periods Steer only, translated into lbs. 2<sup>nd</sup> cut hay as fed

leaf-s steer lbs. DM equiv lbs hay as fed

A L S	13.89	5.556
B L S	12.46	4.984
C L S	10.61	4.244
ave.	12.32	4.93
		6.16

(giving steer almost 2X as much 2<sup>nd</sup> cut as leaf-s equiv.)

Lbs. Leaf-silage Goats only chart:				Lbs. 2 <sup>nd</sup> -cut hay Goats only chart:			
L-s 2 hrs	L-s o-nite	L-s T	L-s T DM	as fed	DM		
ALG	41.25	8.22	49.47	19.79	AHG	20.57	16.46
BLG	36.29	7.64	43.93	17.57	BHG	23.56	18.85
CLG	45.25	6.45	51.7	20.68	CHG	28.45	22.76
ave.	40.93	7.44	48.37	19.35	ave.	24.19	19.36

2 <sup>nd</sup> -cut hay T	as fed	DM
AHT	31.96	25.57
BHT	36.16	28.93
CHT	34.75	27.8
ave.	34.29	27.43

Everyone ate a bit more DM in the Hay-Only periods vs the Leaf-Silage periods, until the last rotation, when they ate more DM in the Leaf-Silage period than in the Hay-Only period. Perhaps this change was because I had taken more barrels from FV Farm at the end, and was more generous with the leaf-silage.

Over all, the longer day lengths should correlate with rising DM Intake throughout. This was the case, with exception of the 2<sup>nd</sup> Leaf-Silage period, in which everyone ate less DM than in any other period. I need to look at that period's offerings and weather more closely. Each Hay-Only period was after the corresponding Leaf-Silage period, with longer day-lengths, which may have contributed to higher DM Intake during Hay-Only periods.

DM Intake based on refs	Estimated DM 5 Milkers ate, 45% of T, 4.5% BW	Estimated DM 5 Non-milkers ate, 25% of T, 3% BW	Estimated DM Steer ate, 30% T, 2% BW	Actual DM used	10% 1 <sup>st</sup> -cut hay est waste	Est DM eaten (U - 10% 1 <sup>st</sup> -cut hay)	1 <sup>st</sup> -cut hay DM used	1 <sup>st</sup> -cut hay DM eaten (-10%)
AL	22.5	12.5	15	50			28.25	25.42
AH	22.842	12.69	15.228	53.59	2.83	50.76	28.51	25.66
BL	21.5055	11.9475	14.337	50.93	3.14	47.79	31.43	28.29
BH	23.0535	12.8075	15.369	54.08	2.85	51.23	26.14	23.53
CL	23.607	13.115	15.738	55.07	2.61	52.46	32.63	29.37
CH	23.994	13.33	15.996	56.58	3.26	53.32	27.49	24.74
Ave:	22.78	12.66	15.19	54.26	2.91	50.62		52.08

5 milk goats ate .65 lbs DM less = .81 lbs less 1<sup>st</sup>-cut hay in L periods than in H periods.

6% less 1<sup>st</sup>-cut hay eaten in Leaf-Silage periods than 2<sup>nd</sup>-cut Hay periods

%

0.05909091

Milking Goats estimated DM/day related to milk yields: .01 lbs milk/lb DM less x 1 ave goat DM/day = .047 lbs less milk/goat/day

Period	Leaf-s & hay, DM 5 Milking Goats	Leaf-silage DM 5 Milking Goats	1 <sup>st</sup> -cut hay DM 5 Milking Goats	Ave. T lbs. milk, adj to 24 hrs.	lbs milk/lb DM	Period	2 <sup>nd</sup> -cut H- only, DM 5 Milking Goats	1 <sup>st</sup> -cut H- only, DM 5 Milking Goats	ave T lbs. milk adj to 24 hrs.	lbs milk/ lb DM
AL	22.84	12.72	10.12	5.08	0.23	AH	23.0535	10.58	5.86	0.25
BL	21.51	11.29	10.22	5.55	0.26	BH	23.607	12.12	6.83	0.29
CL	23.99	13.29	10.7	6.59	0.28	CH	23.643	14.63	6.69	0.28
ave.	22.78	12.44	10.35	5.74	0.26	ave.	23.44	12.44	6.46	0.27
1 av Goat:	4.56	2.49	2.07	1.15		1 av Goat:	4.69	2.49	1.29	

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	Estimated T DM Steer 30% T, 2% BW	Leaf-silage DM Steer	1 <sup>st</sup> -cut hay DM Steer T – leaf-silage	1 <sup>st</sup> -cut hay = lbs. DM eaten T	1 <sup>st</sup> -cut hay DM 10 Goats T 1 <sup>st</sup> -cut - Steer	1 <sup>st</sup> -c DM 5 = Milk goats hay = .643T goats
AL DM	15.228	5.556	9.672	25.42	15.748	10.125964
BL DM	14.337	4.984	9.353	28.29	18.937	12.176491
CL DM	15.996	4.244	11.752	29.37	17.618	11.328374
ave.	15.19	4.93	10.26	27.69	17.434	11.21028

(still 1lb higher^)

These low milk yields reflect a goat diet of ONLY forages (no concentrates).

Goats' milk yield went up approximately 15% from 1st measured Leaf-Silage period ave to 1st Hay-Only period ave, then dropped 5% of that to 2nd Leaf-Silage period ave, then rose 5% of that to 2nd Hay-Only period ave, then dropped 3.5% to 3rd Leaf-Silage period ave, then rose 1.5% of that to 3rd Hay-Only period ave.

Excepting the first jump up, (that week included the Winter Solstice), these changes were insignificant. Lbs milk/DM Intake changes were even less significant.

Per my estimated allotment of shared 1st-cut hay, in Leaf-Silage periods the Leaf-silage was 55% of milking goats' diet, 56% of non-milkers' diet, and 32.5% of the steer's diet, on a DM basis.

	Milkers	Non-milk	Steer	T DM
T L-H DM ave	22.78	12.66	15.19	50.63
T H-H DM ave	23.44	13.02	15.62	52.08

0.8125

	Total DM used, goats & steer	Est DM eaten (used – 10% 1 <sup>st</sup> -cut hay)	1 <sup>st</sup> -cut hay DM used	1 <sup>st</sup> -cut hay lbs DM eaten (used-10%)	lbs. DM 2 <sup>nd</sup> -cut hay	Total hay DM used
AL	53.59	50.76	28.25	25.42	0	28.25
AH		54.08	51.23	28.51	25.66	54.08
BL	50.93	47.79	31.43	28.29	0	31.43
BH		55.07	52.46	26.14	23.53	55.07
CL	56.58	53.32	32.63	29.37	0	32.63
CH		55.29	52.54	27.49	24.74	55.29
Ave:	53.70	54.81	50.62	52.08	30.77	54.81

27.53 lbs DM 2nd-cut - 3.4 lbs DM 1st-cut hay saved during Leaf-Silage periods: DM:24.13

lbs as fed: 34.41 lbs as fed 2<sup>nd</sup>-cut minus 4.25 lbs as fed 1<sup>st</sup>-cut saved lbs as fed: 30.16

44% less hay eaten in Leaf-Silage periods than in 2<sup>nd</sup>-cut Hay periods

HAY LBS AS FED:	1 <sup>st</sup> -cut hay used, lbs/day as fed		1 <sup>st</sup> -cut hay eaten (u- 10%), lbs/day as fed		2 <sup>nd</sup> -cut hay, lbs/day as fed		Total hay used, lbs/day as fed	
	L per ave	H per ave	L per ave	H per ave	L per ave	H per ave	L per ave	H per ave
	38.46	34.23	34.62	30.80	0.00	34.29	38.46	65.10

37 lb bales?

Leaf periods: % 1<sup>st</sup> cut more 0.1149 Hay periods: 2<sup>nd</sup>-cut 0.926757 % of 37 lb bale

\$ spent on 0.5743 \$ spent on \$9.27

So we saved \$8.70/day x 30 days of leaf-silage = \$261.

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Milking Goats estimated DM/day related to milk yields:

Period	Leaf-s & hay, DM 5 Milking Goats	Leaf-silage DM 5 Milking Goats	1 <sup>st</sup> -cut hay DM 5 Milking Goats	Ave. T lbs. milk, adj to 24 hrs.	lbs milk/ lb DM	Period	T hay DM 5 Milking Goats	2 <sup>nd</sup> -cut H-only, DM 5 Milking Goats	1 <sup>st</sup> -cut H-only, DM 5 Milking Goats	ave T lbs. milk adj to 24 hrs.	lbs milk/ lb DM
AL						AH	23.0535	10.58	12.4735	5.86	0.25
BL	21.51	11.29	10.22	5.55	0.26	BH	23.607	12.12	11.487	6.83	0.29
CL	23.99	13.29	10.7	6.59	0.28	CH	23.643	14.63	9.013	6.69	0.28
ave.	22.75	12.29	10.46	6.07	0.2668	ave.	23.44	12.44	11	6.46	0.2756
Goat:	4.55	2.458	2.092	1.214		1 av Goat:	4.69	2.49	2.2	1.29	

When discounting AL period to control for day-length,  
 6% less milk in leaf-silage periods than in 2<sup>nd</sup>-cut hay periods  
 4.9% less 1<sup>st</sup>-cut hay eaten in leaf-silage than 2<sup>nd</sup>-cut hay periods.  
 2.9% less T DM eaten in leaf-silage period than in 2<sup>nd</sup>-cut hay period  
 0.0088 lbs difference/lb DM (14 oz milk diff/100 lbs DM eaten)

Lbs milk/lb DM 2% less with leaf-s vs 2<sup>nd</sup>-cut hay, or with leaf-s was 98% of that with 2<sup>nd</sup>-cut hay.

3.69% Bfat Leaf-silage x 6.07 lbs milk = .22398 lbs  
 3.18% Bfat 2<sup>nd</sup>-cut hay x 6.46 lbs milk = .20543 lbs.

(BL & CL) Leaf-silage lbs Bfat averaged to be 109% of (AH, BH & CH) 2<sup>nd</sup> -cut hay lbs Bfat.

But this is not correct:

See figures from just same dates as milk tests!

(in "3 Streams Trial Milk & Buterfat Yields per goat per day" spreadsheet)

Period	T DM 5 Milking Goats	2 <sup>nd</sup> -cut H-only, DM 5 Milking Goats	1 <sup>st</sup> -cut H-only, DM 5 Milking Goats	ave T lbs. milk adj to 24 hrs.	lbs milk/ lb DM
AH	23.0535	10.58	12.4735	5.86	0.25
BH	23.607	12.12	11.487	6.83	0.29
CH	23.643	14.63	9.013	6.69	0.28
ave.	23.44	12.44	11	6.46	0.2756
BL	21.51	11.29	10.22	5.55	0.26
CL	23.99	13.29	10.7	6.59	0.28
	22.75	12.29	10.46	6.07	0.27

When leave off 1<sup>st</sup> leaf-period, leaf-period lbs milk/lbs DM is 2% lower than in hay-only.  
 When leave off 1<sup>st</sup> leaf-period, milk yield is 6% lower in leaf-periods than in hay-only.  
 When leave off 1<sup>st</sup> leaf-period, leaf-period T DM ave is 3% lower than in hay-only.