CLASSIC LIVESTOCK MANAGEMENT SERVICES
FAT   TRIAL   2011/12

Fatty acid	14:0	14:1	15:0	15:1	16:0	16:1 (7) c	16:1(7)c	17:0	18:0	18:1(9)c	18:2 (6)c	18:3 (3)	18:2(c9,t11)	Total	SFA *	cMUFA **	M Pt	CLMS
	Myristic	Myristoleic			Palmitic	Palmitoleic		Margeric	Stearic	Oleic	Linoleic	Alpha-	Conjugated	Total	SFA	cMUFA	M Pt	CLMS
	acid				acid	acid		acid	acid	acid	acid	linolenic	linoleic acid	fatty acids	sum	sum	(C)	GRADE
										(OA)	(LA)	acid (ALA)						
											(Omega 6)	(Omega 3)	(Omega 6)					
Sample						% of Total Fatty Acids												
Tag No.																		
P3	3.8	1.2	0.5	0.0	21.6	7.6	1.5	1.5	8.2	51.3	2.3	0.0	0.6	100.0	35.5	60.1	36.0	4.0
P4	4.6	2.4	0.8	0.2	24.0	8.1	1.1	0.9	9.1	46.3	1.2	0.0	1.4	100.0	39.4	57.6	38.0	4.0
P5	3.7	2.5	0.8	0.2	25.0	10.5	1.3	1.6	4.9	46.7	2.0	0.2	0.6	100.0	36.1	61.0	33.0	3-
P6	3.4	1.5	0.5	0.0	23.2	7.4	1.3	1.2	10.3	50.0	0.5	0.2	0.4	100.0	38.7	59.2	38.0	3-
P7	5.1	3.0	1.0	0.3	25.3	10.3	1.4	1.1	6.5	42.4	2.6	0.3	0.8	100.0	39.0	55.9	37.0	3.0
P8	4.7	2.0	0.6	0.2	26.6	8.0	1.3	0.9	9.8	43.7	1.1	0.3	0.9	100.0	42.6	54.5	40.0	3-
P9	3.1	1.6	0.4	0.0	23.9	8.4	1.4	1.4	6.6	49.6	3.0	0.0	0.7	100.0	35.3	59.7	37.0	4.0
P10	5.2	2.7	0.7	0.0	25.9	11.4	1.3	1.4	5.3	44.3	0.5	0.0	1.3	100.0	38.6	58.4	33.0	4.0
P11	5.5	2.6	1.0	0.2	26.2	9.2	1.4	1.3	8.1	41.1	2.4	0.3	0.7	100.0	42.0	53.2	39.0	3.0
P12	3.8	1.9	0.6	0.1	24.6	8.7	1.3	1.2	7.4	47.1	2.7	0.0	0.6	100.0	37.6	57.8	37.0	4.0
P13	3.4	1.8	0.5	0.1	21.8	10.1	1.3	1.5	5.5	49.4	3.0	0.2	1.4	100.0	32.7	61.4	33.5	3-
P14	3.6	1.6	0.5	0.0	24.0	8.4	0.9	1.2	6.3	51.1	1.0	0.0	1.5	100.0	35.6	61.1	34.0	4.0
P15	4.3	2.3	0.9	0.2	23.1	9.3	1.3	1.4	5.1	46.7	3.3	0.0	1.4	100.0	34.8	59.1	34.0	4.0
P16	3.9	2.2	0.9	0.2	23.1	9.1	1.6	1.6	5.6	48.0	2.6	0.0	1.3	100.0	35.1	59.4	35.0	3.0
P17	3.2	1.0	0.9	0.2	21.2	6.7	2.2	2.1	8.7	50.8	2.5	0.1	0.3	100.0	36.2	58.7	38.0	3+
P18	3.4	1.6	0.7	0.0	23.9	8.1	1.7	1.8	7.9	50.4	0.6	0.0	0.0	100.0	37.7	60.4	37.0	3+
P19	3.5	1.3	0.9	0.0	21.9	7.3	2.3	2.3	7.9	50.4	1.9	0.0	0.2	100.0	36.6	60.1	37.0	5.0
P20	3.4	1.2	0.7	0.1	22.5	6.2	1.8	1.6	7.7	50.5	3.7	0.2	0.4	100.0	35.9	58.0	36.0	3+
P21	3.5	1.9	0.7	0.0	21.4	8.9	1.6	2.0	5.1	52.0	2.1	0.0	0.9	100.0	32.6	62.8	33.0	4.0
Mean	**4.0**	**1.9**	**0.7**	**0.1**	**23.6**	**8.7**	**1.5**	**1.5**	**7.2**	**48.0**	**2.0**	**0.1**	**0.8**	**100.0**	**36.9**	**58.9**	**36.1**	**3.8**
M1	5.0	2.8	0.6	0.2	26.5	6.4	1.1	1.0	10.7	42.2	1.4	0.3	0.8	100.0	43.8	51.4	34.0	3.5
M2	5.2	1.8	1.0	0.3	27.0	5.3	1.8	1.4	13.5	39.4	1.8	0.2	0.7	100.0	48.1	46.4	41.0	3.0
M3	4.9	1.1	1.0	0.3	26.2	5.1	2.0	1.7	12.6	41.5	1.6	0.3	1.0	100.0	46.4	47.7	39.0	3+
M4	5.8	1.6	0.9	0.3	28.5	5.5	1.5	1.2	13.1	37.7	2.0	0.3	0.9	100.0	49.5	44.8	41.0	3.0
M5	3.7	1.1	0.9	0.2	24.1	5.3	2.0	2.1	11.9	45.1	1.5	0.2	0.7	100.0	42.7	51.6	37.0	3.0
M6	2.8	1.4	0.7	0.2	23.8	4.9	1.6	1.6	10.8	48.3	1.9	0.6	0.8	100.0	39.7	54.5	33.0	3.0
M7	3.4	1.5	0.8	0.3	26.3	5.8	1.6	1.5	11.2	43.4	1.7	0.5	1.3	100.0	43.2	50.7	34.0	3-
M8	3.0	1.9	0.8	0.3	24.8	6.1	1.7	1.9	8.9	46.0	1.8	0.3	1.2	100.0	39.4	53.9	31.0	3.0
M9	3.4	1.8	0.6	0.3	25.5	4.7	1.2	0.9	13.5	43.4	2.5	0.4	1.1	100.0	43.9	49.9	41.0	3.0
M10	3.5	1.0	0.7	0.2	24.6	4.9	1.5	1.5	11.7	47.2	1.4	0.1	0.6	100.0	42.0	53.2	33.0	4.0
M11	3.3	1.0	0.7	0.2	25.1	4.8	1.6	1.4	12.0	46.8	1.4	0.2	0.6	100.0	42.5	52.5	36.0	4.0
M12	3.4	0.6	0.9	0.3	25.4	3.6	2.0	1.2	19.1	39.8	1.9	0.5	0.9	100.0	50.0	44.1	44.0	3+
M13	2.9	1.1	1.8	0.7	25.4	4.5	2.1	1.7	13.5	42.7	1.6	0.4	1.0	100.0	45.3	48.2	40.0	4.0
M14	3.8	2.1	1.0	0.4	25.9	5.9	1.7	1.5	12.4	40.7	1.8	0.6	1.5	100.0	44.6	48.7	40.0	3.5
M15	4.0	0.7	0.9	0.3	27.8	3.9	1.9	0.8	17.5	37.7	2.0	0.7	1.2	100.0	51.0	42.3	44.0	3.0
M16	4.2	2.1	0.8	0.3	25.3	6.4	1.7	1.4	11.2	41.9	2.0	0.4	1.6	100.0	42.9	50.3	36.0	3.0
M17	4.1	1.8	0.9	0.3	25.6	4.3	2.0	1.4	14.1	41.6	1.9	0.3	1.1	100.0	46.1	47.5	40.0	4.0
M18	2.9	1.1	0.8	0.2	26.0	3.9	2.3	1.8	14.9	42.4	1.6	0.4	0.8	100.0	46.4	47.4	42.0	4.0
M19	3.7	2.2	0.7	0.2	26.8	5.7	1.3	1.2	10.7	43.7	1.5	0.5	0.9	100.0	43.1	51.5	33.0	3.0
M20	3.4	1.4	0.8	0.3	25.2	3.7	1.9	1.2	17.5	41.3	1.6	0.4	0.7	100.0	48.1	46.4	43.0	3+
M21	4.3	2.0	0.9	0.2	27.4	4.9	2.0	1.6	12.5	41.3	1.7	0.4	0.8	100.0	46.7	48.2	40.0	4.0
M22	2.4	0.9	0.6	0.1	20.1	4.2	2.3	2.2	12.4	50.8	2.0	0.2	0.5	100.0	37.7	55.8	33.0	3.0
M23	2.9	0.9	0.6	0.1	25.4	4.1	2.4	2.0	14.7	43.6	1.7	0.1	0.4	100.0	45.6	48.5	39.0	4.0
M24	3.0	1.5	1.0	0.2	23.7	4.6	2.8	2.7	9.9	46.8	1.4	0.2	0.9	100.0	40.3	52.8	34.0	3.5
M25	3.0	1.6	0.7	0.2	22.6	5.6	1.8	2.2	9.4	48.8	1.4	0.3	0.8	100.0	37.9	55.9	34.0	3.5
M26	3.6	1.8	0.9	0.3	24.5	4.6	1.8	1.6	11.7	45.1	1.6	0.3	1.0	100.0	42.3	51.5	37.0	3.5
M27	3.2	1.5	0.7	0.2	23.1	6.0	1.6	2.1	9.8	48.1	1.3	0.3	0.9	100.0	38.9	55.7	32.0	3.0
Mean	**3.7**	**1.5**	**0.8**	**0.3**	**25.3**	**5.0**	**1.8**	**1.6**	**12.6**	**43.6**	**1.7**	**0.3**	**0.9**	**100.0**	**44.0**	**50.1**	**37.4**	**3.4**
R01	5.3	2.5	1.2	0.3	23.8	8.2	1.4	1.0	8.3	43.0	3.2	0.4	1.4	100.0	39.6	54.0	38.0	4.0
R02	2.3	1.8	0.5	0.2	18.1	9.5	1.0	1.4	6.0	58.0	0.0	0.2	1.2	100.0	28.2	69.4	32.0	3.0
RO3	4.9	3.9	0.6	0.3	25.7	10.5	0.7	1.1	5.7	41.0	1.6	0.5	1.8	100.0	38.0	55.4	30.0	3.5
RO4	3.3	2.6	0.7	0.4	24.0	6.1	1.1	1.2	9.8	45.5	2.0	0.7	1.7	100.0	39.0	54.2	33.0	3.5
RO5	5.2	3.3	0.8	0.4	24.7	6.9	1.1	1.0	8.8	42.1	2.2	0.7	2.0	100.0	40.5	52.3	34.0	2.0
RO6	6.9	2.7	1.1	0.4	25.6	5.7	1.1	0.8	10.5	40.3	2.0	0.5	1.8	100.0	44.9	48.7	41.0	3.5
RO7	4.2	3.1	0.7	0.4	24.9	7.3	1.0	1.0	11.5	41.8	1.3	0.4	1.5	100.0	42.3	52.2	38.0	4.0
RO8	4.0	1.4	0.9	0.5	22.7	5.4	1.4	1.0	17.6	41.7	1.3	0.4	1.4	100.0	46.2	48.4	30.0	3.5
RO9	6.4	3.8	1.2	0.4	24.7	7.0	1.2	1.1	8.7	40.1	2.1	0.7	2.2	100.0	42.1	50.9	35.0	3.5
RO10	5.0	4.1	0.7	0.4	23.6	10.5	0.8	1.2	6.0	41.6	2.0	0.7	2.3	100.0	36.5	56.2	30.0	3.5
RO11	6.1	3.0	1.1	0.4	25.4	5.5	1.4	1.0	11.8	39.4	1.9	0.6	2.0	100.0	45.4	47.9	37.0	4.0
RO12	4.9	3.6	0.9	0.4	23.7	8.0	1.2	1.2	8.7	41.9	2.0	0.6	2.1	100.0	39.4	53.5	33.0	3.0
RO13	6.5	4.0	0.9	0.4	25.5	6.9	1.0	1.0	8.1	40.1	2.0	0.7	2.2	100.0	42.0	51.0	34.0	3.5
RO14	5.8	2.4	0.9	0.4	27.1	6.8	1.2	1.1	10.6	39.7	1.7	0.5	1.4	100.0	45.5	48.8	37.0	3.5
RO15	4.1	2.8	0.8	0.4	23.3	7.6	1.0	1.4	9.1	44.2	1.9	0.5	1.9	100.0	38.7	54.7	37.0	3.5
RO16	4.0	2.8	0.6	0.3	22.7	8.7	0.8	1.3	7.7	46.0	1.3	0.5	1.6	100.0	36.3	57.5	36.0	2.5
RO17	3.1	3.1	0.5	0.3	21.7	8.7	0.5	1.4	6.8	47.9	1.6	0.5	2.0	100.0	33.5	59.7	30.0	4.0
RO18	4.4	4.2	0.6	0.4	23.4	9.4	0.8	1.4	6.5	44.4	0.2	0.7	2.0	100.0	36.3	57.9	30.0	3.0
Mean	**4.8**	**3.1**	**0.8**	**0.4**	**23.9**	**7.7**	**1.0**	**1.1**	**9.0**	**43.3**	**1.7**	**0.6**	**1.8**	**100.0**	**39.7**	**54.0**	**34.2**	**3.4**

GRAIN	FED =	46	NUMBERS	P2 - 21	M1 - 27	0.5+ O3	6
GRASS	FED =	18	NUMBERS	RO1 - 18		0.5+ O3	17
TOTAL		64					

Treatment	Measurement			
	ALA (w3)	LA (w6)	(Oleic acid)	CLMS
P	0.1	2.0	48.0	3.8
M	0.3	1.7	43.6	3.4
RO	0.6	1.7	43.3	3.4