Supplementary S3: Liveweight and fluid milk product of organic and conventional cows

1. Liveweight and fluid milk product of organic cows

Supplementary Table S3.1 Liveweight of organic cows

Parameters	Growth rate (kg/head/day)	Liveweight (kg)	Fluid milk (kg)
Cycle 1			
1) 0-3 months	0.65	62.33	–
2) 4-12 months	0.98	182.76	–
3) 13-15 months	0.66	359.93	–
4) 16-24 months (pregnancy cow, non-lactating)	0.18	458.50	–
5) 25-26 months (non-pregnancy cow, lactating)	–	500.00	661.20
Cycle 2			
6) 27-33 months (pregnancy cow, non-lactating)	–	500.00	2,314.20
7) 36-37 months (non-pregnancy cow, lactating)	–	500.00	661.20
Cycle 3			
8) 38-44 months (pregnancy cow, non-lactating)	–	500.00	2,314.20
9) 47-48 months (non-pregnancy cow, lactating)	–	500.00	661.20
Cycle 4			
10) 49-55 months (pregnancy cow, non-lactating)	–	500.00	2,314.20
11) 58-59 months (non-pregnancy cow, lactating)	–	500.00	661.20
Cycle 5			
12) 60-66 months (pregnancy cow, non-lactating)	–	500.00	2,314.20
13) 69-70 months (non-pregnancy cow, lactating)	–	500.00	661.20
Cycle 6			
14) 71-77 months (pregnancy cow, non-lactating)	–	500.00	2,314.20
15) 80-81 months (non-pregnancy cow, lactating)	–	500.00	661.20
Cycle 7			
16) 82-88 months (pregnancy cow, non-lactating)	–	500.00	2,314.20
17) 91-92 months (non-pregnancy cow, lactating)	–	500.00	661.20
Cycle 8			
18) 93-99 months (pregnancy cow, non-lactating)	–	500.00	2,314.20
19) 102-103 months (non-pregnancy cow, lactating)	–	500.00	661.20
Total organic fluid milk (kg/head)			21,489.00

Source: Data obtained from Trakulthaveesuk et al. (2019) [35] and Saothao et al. (2020) [36].

2. Liveweight and fluid milk product of conventional cows

Supplementary Table S3.2 Liveweight of conventional cows

Parameters (period)	Growth rate (kg/head/day)	Liveweight (kg)	Fluid milk (kg)
Cycle 1			
1) 0-3 months	0.20	40.00	–
2) 4-12 months	0.60	250.00	–
3) 13-15 months	0.60	300.00	–
4) 16-24 months (pregnancy cow, non-lactating)	0.60	350.00	–
5) 25-26 months (non-pregnancy cow, lactating)	–	420.00	1,178.57
Cycle 2			
6) 27-33 months (pregnancy cow, lactating)	–	420.00	4,125.01
7) 36-37 months (non-pregnancy cow, lactating)	–	420.00	1,178.57
Cycle 3			
8) 38-44 months (pregnancy cow, lactating)	–	420.00	4,125.01
9) 47-48 months (non-pregnancy cow, lactating)	–	420.00	1,178.57
Cycle 4			
10) 49-55 months (pregnancy cow, lactating)	–	420.00	4,125.01
11) 58-59 months (non-pregnancy cow, lactating)	–	420.00	1,178.57
Cycle 5			
12) 60-66 months (pregnancy cow, lactating)	–	420.00	4,125.01
13) 69-70 months (non-pregnancy cow, lactating)	–	420.00	1,178.57
Total conventional fluid milk (kg/head)			22,392.91

Source: Data obtained from Trakulthaveesuk et al. (2019) [35] and Saothao et al. (2020) [36].