

TABLE 2. Requirement of metabolizable energy for maintenance at W_0 or 500 kg. body weight (M_{m,W_0} or $M_{m,500}$) computed from data of literature experiments with various values of the gain and weight correction factors c and p

| Reference (see list at the end of table 3) | Exp. or period number | Breed | Name | Body weight (kg) | Metabol. energy (kcal) | Gain (kcal) | Crude fibre in feed (% in dm) | Digestib. of om (%) | c_e | Ration | M_{m,W_0} , therms $p = 0.8$ $W_0 = 350, 475, 650$ | | $M_{m,500}$, therms | | | | | |
|--|-----------------------------|--------|--------------|------------------------|------------------------------|----------------|-------------------------------------|---------------------------|-------|--------|--|------------|----------------------|------------|----------------|------------|----------------|-------|
| | | | | | | | | | | | $p = 0.8$ | | $p = 0.8$ | | | $p = 1.0$ | | |
| | | | | | | | | | | | $c = 1.43$ | $c = 1.67$ | $c = 1.43$ | $c = 1.67$ | $c = 0.83 c_e$ | $c = 1.67$ | $c = 0.83 c_e$ | |
| MØLLGAARD | '23 | 10 | Red Danish | St. | 417 | 8 240 | — 160 | 34.2** | — | sb+ | 9.40 | 9.44 | 9.79 | 9.83 | — | 10.20 | — | |
| " | '23 | 14 | " " | " | 404 | 7 220 | — 670 | 29.9 | 61 | 2.14 | s++ | 9.32 | 9.50 | 9.71 | 9.90 | 9.98 | 10.32 | 10.41 |
| " | '23 | 20 | " " | " | 431 | 8 650 | — 0 | 29.3 | 64 | 2.42 | sb+ | 9.35 | 9.35 | 9.74 | 9.74 | 9.74 | 10.03 | 10.03 |
| " | '23 | 31 | " " | " | 484 | 9 620 | — 290 | 22.2** | — | — | sb+ | 9.88 | 9.95 | 10.30 | 10.37 | — | 10.44 | — |
| " | '23 | 30 | " " | K | 426 | 8 660 | — 570 | 30.4** | — | — | sb+ | 10.34 | 10.48 | 10.77 | 10.93 | — | 11.28 | — |
| " | '29 | 71 | " " | X | 402 | 8 560 | — 640 | 41.0 | 61 | 2.31 | h | 10.83 | 11.00 | 11.28 | 11.47 | 11.66 | 11.98 | 12.18 |
| " | '29 | 58 | " " | Y | 494 | 10 810 | — 760 | 25.6 | 64 | 1.79 | h | 11.53 | 11.70 | 12.01 | 12.20 | 12.06 | 12.22 | 12.08 |
| " | '29 | 62 | " " | " | 501 | 10 180 | — 340 | 36.6 | 58 | 2.29 | h | 10.22 | 10.30 | 10.65 | 10.74 | 10.82 | 10.73 | 10.81 |
| " | '29 | 64 | " " | " | 468 | 7 190 | — 1 610 | 36.8 | 57 | 2.62 | h | 9.61 | 9.99 | 10.01 | 10.42 | 11.27 | 10.54 | 11.41 |
| KELLNER | '00 | 1b | Bavarian | IV | 623 | 14 140 | — 980 | 37.6 | 58 | 2.43 | hs | 16.09 | 16.33 | 13.04 | 13.23 | 13.52 | 12.67 | 12.94 |
| " | '00 | | Bav. × Simm. | I | 748 | 13 700 | — 4 190 | 29.8 | 59 | 2.11 | h | 17.61 | 18.49 | 14.28 | 15.00 | 15.25 | 13.82 | 14.05 |
| " | '00 | | " " " | II | 750 | 18 640 | — 320 | 21.6 | 68 | 2.15 | h+ | 17.03 | 17.10 | 13.81 | 13.86 | 13.89 | 12.79 | 12.81 |
| FINGERLING | '33 | XVI | Simmenthal | 10 | 841 | 17 190 | — 40 | 23.1 | 73 | 2.00 | h++ | 16.57 | 16.58 | 11.38 | 11.39 | 11.39 | 10.27 | 10.27 |
| ARMSBY | '03 | 174 A | Shorthorn | I | 387 | 6 590 | — 2 620 | 35.3 | 59 | 2.28 | h+ | 9.55 | 10.11 | 12.69 | 13.46 | 14.17 | 14.16 | 14.91 |
| " | '03 | 174 B | " | " | 403 | 9 480 | — 810 | 36.1 | 61 | 2.38 | h+ | 12.14 | 12.36 | 12.65 | 12.88 | 13.17 | 13.44 | 13.75 |
| " | '05 | 179-1 | " | " | 544 | 8 310 | — 3 220 | 33.9 | 60 | 2.18 | h | 11.60 | 12.28 | 12.08 | 12.79 | 13.22 | 12.57 | 12.99 |
| " | '05 | 179-2 | " | " | 520 | 6 020 | — 4 100 | 33.7 | 61 | 2.20 | h | 11.05 | 11.95 | 11.51 | 12.45 | 13.10 | 12.36 | 13.01 |
| " | '05 | 179-3 | " | " | 514 | 8 220 | — 2 320 | 26.0 | 66 | 1.87 | h+ | 10.83 | 11.35 | 11.28 | 11.82 | 11.56 | 11.76 | 11.50 |
| " | '08 | 186-2a | " | " | 562 | 10 680 | — 750 | 28.0 | 63 | 2.13 | h | 13.21 | 13.41 | 10.71 | 10.87 | 10.94 | 10.62 | 10.69 |
| " | '08 | 186-3a | " | " | 566 | 8 570 | — 2 160 | 28.8 | 62 | 2.10 | h | 13.02 | 13.59 | 10.56 | 11.03 | 11.17 | 10.75 | 10.89 |
| FORBES | '25 | 212-5 | " | H | 337 | 6 570 | — 730 | 30.8 | 64 | 2.41 | h | 7.85 | 8.03 | 10.44 | 10.68 | 11.02 | 11.56 | 11.92 |
| ARMSBY | '18 | 216-2 | " | J | 366 | 8 850 | — 700 | 22.5 | 72 | 1.88 | h+ | 9.51 | 9.67 | 12.65 | 12.86 | 12.76 | 13.68 | 13.58 |
| " | '18 | 216-4 | " | " | 356 | 5 570 | — 2 450 | 20.9 | 72 | 1.76 | h+ | 8.95 | 9.53 | 11.91 | 12.67 | 12.01 | 13.55 | 12.85 |
| " | '18 | 216-7 | " | " | 377 | 6 850 | — 1 550 | 30.0 | 62 | 2.20 | h | 8.56 | 8.90 | 11.37 | 11.83 | 12.15 | 12.51 | 12.85 |
| " | '16 | 220-1 | " | K | 514 | 11 360* | — 760* | 34.3 | 58 | 2.37 | h | 11.69 | 11.86 | 12.17 | 12.35 | 12.58 | 12.29 | 12.51 |
| " | '16 | 220-2 | " | " | 497 | 7 970* | — 2 320* | 34.3 | 61 | 2.29 | h | 10.88 | 11.41 | 11.34 | 11.90 | 12.44 | 11.91 | 12.45 |
| " | '16 | 220-5 | " | " | 491 | 7 380* | — 2 670* | 11.8 | 81 | 1.57 | h+ | 10.91 | 11.52 | 11.37 | 12.01 | 11.01 | 12.04 | 11.05 |
| FORBES | '31 | 1 | " | 17 | 364 | 9 130 | — 20 | 35.1 | 60 | 2.47 | h | 8.88 | 8.89 | 11.81 | 11.82 | 11.83 | 12.59 | 12.60 |
| " | '31 | 4 | " | 85 | 332 | 8 840 | — 540 | 36.3 | 62 | 2.52 | h | 10.03 | 10.16 | 13.34 | 13.52 | 13.84 | 14.67 | 15.01 |
| " | '30 | 240-10 | " | 57 | 398 | 4 270 | — 3 670 | 18.6 | 76 | 1.72 | h+ | 8.60 | 9.38 | 11.42 | 12.46 | 11.42 | 13.05 | 11.96 |
| " | '30 | 240-11 | " | 60 | 381 | 4 140 | — 3 340 | 18.7 | 75 | 1.72 | h+ | 8.34 | 9.08 | 11.08 | 12.07 | 11.09 | 12.74 | 11.70 |
| " | '30 | 240-13 | " | 60 | 412 | 9 680 | — 110 | 34.5 | 59 | 2.62 | h | 11.03 | 11.06 | 11.48 | 11.51 | 11.58 | 11.97 | 12.04 |
| MITCHELL | '32 | 3 | " | X | 597 | 7 140 | — 2 610 | 9.6 | — | 1.62 | h++ | 11.64 | 12.29 | 9.44 | 9.97 | 9.24 | 9.63 | 8.92 |
| FORBES | '25 | 209-2 | Hereford | F | 293 | 7 330* | — 70* | 14.2 | — | — | h++ | 8.57 | 8.59 | 11.39 | 11.42 | — | 12.70 | — |
| " | '25 | 209-3 | " | " | 283 | 4 440* | — 1 900* | 14.2 | — | — | h++ | 8.49 | 9.02 | 11.29 | 12.00 | — | 13.44 | — |

Table 2, continued

| Reference (see list at the end of table 3) | Exp. or period number | Breed | Name | Body weight (kg) | Metabol. energy (kcal) | Gain (kcal) | Crude fibre in feed (% in dm) | Digestib. of om (%) | c_g | Ration | M_{m,W_0} , therms $p = 0.8$ | | $M_{m,500}$, therms | | | | | | |
|--|-----------------------------|--------|-----------|------------------------|------------------------------|----------------|-------------------------------------|---------------------------|-------|--------|-----------------------------------|------------|----------------------|------------|----------------|------------|----------------|-------|-------|
| | | | | | | | | | | | $W_0 = 350, 475, 650$ | | $p = 0.8$ | | | $p = 1.0$ | | | |
| | | | | | | | | | | | $c = 1.43$ | $c = 1.67$ | $c = 1.43$ | $c = 1.67$ | $c = 0.83 c_g$ | $c = 1.67$ | $c = 0.83 c_g$ | | |
| FORBES | '25 | 209-5 | Hereford | F | 308 | 6 620* | - 1 110* | 31.7 | — | — | h | 9.09 | 9.38 | 12.10 | 12.48 | — | 13.75 | — | |
| " | '25 | 209-6 | " | " | 292 | 3 840* | - 2 880* | 31.7 | — | — | h | 9.21 | 10.00 | 12.24 | 13.29 | — | 14.79 | — | |
| " | '25 | 210-1 | " | D | 345 | 8 520* | - 940* | 35.2 | — | — | d | 9.98 | 10.21 | 13.28 | 13.58 | — | 14.62 | — | |
| " | '25 | 210-2 | " | " | 331 | 6 990* | - 1 200* | 35.2 | — | — | d | 9.10 | 9.40 | 12.12 | 12.51 | — | 13.58 | — | |
| " | '25 | 210-3 | " | " | 316 | 4 920* | - 2 190* | 35.2 | — | — | d | 8.74 | 9.31 | 11.63 | 12.38 | — | 13.56 | — | |
| ARMSBY | '17 | 211-1 | " | " | 460 | 11 350* | - 200* | 33.8 | 57 | 2.33 | h | 11.94 | 11.99 | 12.44 | 12.49 | 12.55 | 12.70 | 12.76 | |
| " | '17 | 211-2 | " | " | 432 | 9 440* | - 160* | 19.4 | 75 | 1.76 | h+ | 10.44 | 10.48 | 10.88 | 10.92 | 10.88 | 11.23 | 11.19 | |
| " | '17 | 211-4 | " | " | 455 | 6 960* | - 2 240* | 33.8 | 62 | 2.23 | h | 10.52 | 11.07 | 10.96 | 11.53 | 11.97 | 11.75 | 12.20 | |
| " | '17 | 211-5 | " | " | 428 | 3 280* | - 4 680* | 33.8 | 60 | 2.18 | h | 10.84 | 12.04 | 11.30 | 12.55 | 13.31 | 12.94 | 13.72 | |
| " | '17 | 211-2 | " | G | 358 | 6 890* | - 1 310* | 13.5 | 83 | 1.67 | h+ | 8.61 | 8.92 | 11.45 | 11.86 | 11.38 | 12.68 | 12.17 | |
| " | '17 | 211-4 | " | " | 387 | 6 220* | - 2 720* | 33.8 | 62 | 2.25 | h | 9.34 | 9.93 | 12.41 | 13.20 | 13.89 | 13.89 | 14.61 | |
| " | '17 | 211-5 | " | " | 364 | 3 020* | - 3 860* | 33.8 | 61 | 2.16 | h | 8.29 | 9.17 | 11.02 | 12.19 | 12.81 | 12.99 | 13.64 | |
| " | '11 | 200-4 | Ab. Angus | A | 407 | 7 930 | - 280 | 35.6 | 54 | 2.46 | h | 9.43 | 9.51 | 9.82 | 9.90 | 10.02 | 10.32 | 10.45 | |
| " | '11 | 207-3 | " | " | 507 | 6 100 | - 1 670 | 31.1 | 64 | 2.04 | h | 8.06 | 8.43 | 8.39 | 8.79 | 8.82 | 8.76 | 8.80 | |
| FORBES | '27 | 237-3 | " | " | 254 | 345 | 5 180 | - 1 930 | 22.3 | 74 | 1.76 | d+ | 8.04 | 8.50 | 10.69 | 11.30 | 10.77 | 12.17 | 11.59 |
| " | '21 | 237-5 | " | " | 254 | 347 | 7 030 | - 1 330 | 31.2 | 65 | 2.33 | dh | 8.99 | 9.31 | 11.97 | 12.39 | 12.86 | 13.32 | 13.83 |
| " | '27 | 237-10 | " | " | 36 | 330 | 7 560 | - 870 | 33.2 | 58 | 2.52 | h | 9.23 | 9.44 | 12.27 | 12.56 | 13.08 | 13.65 | 14.21 |
| " | '28 | 238-6 | " | " | 36 | 471 | 4 790 | - 3 360 | 17.8 | 76 | 1.74 | h+ | 9.66 | 10.46 | 10.06 | 10.90 | 10.10 | 11.03 | 10.23 |
| " | '28 | 238-10 | " | " | 36 | 500 | 11 610 | - 20 | 33.5 | 60 | 2.64 | h | 11.17 | 11.18 | 11.64 | 11.64 | 11.65 | 11.64 | 11.65 |
| " | '27 | 237-11 | " | " | 47 | 355 | 8 370 | - 720 | 32.9 | 58 | 2.52 | h | 9.30 | 9.46 | 12.36 | 12.58 | 12.98 | 13.48 | 13.90 |
| " | '28 | 238-5 | " | " | 47 | 475 | 4 790 | - 2 960 | 17.8 | 77 | 1.75 | h+ | 9.02 | 9.72 | 9.40 | 10.13 | 9.46 | 10.24 | 9.56 |
| ARMSBY | '11 | 200-1 | Scrub | B | 298 | 8 480 | - 450 | 25.1 | 67 | 1.97 | h++ | 10.37 | 10.49 | 13.80 | 13.96 | 13.95 | 15.49 | 15.47 | |
| " | '11 | 200-4 | " | " | 309 | 7 030 | - 350 | 34.1 | 56 | 2.39 | h | 8.32 | 8.41 | 11.06 | 11.18 | 11.34 | 12.32 | 12.49 | |
| " | '11 | 207-1 | " | " | 373 | 9 440 | - 100 | 22.6 | 68 | 1.82 | h++ | 9.11 | 9.14 | 12.12 | 12.15 | 12.13 | 12.87 | 12.85 | |
| " | '11 | 207-3 | " | " | 374 | 5 580 | - 2 310 | 31.1 | 63 | 2.01 | h | 8.42 | 8.94 | 11.20 | 11.89 | 11.90 | 12.61 | 12.62 | |
| " | '11 | 207-4 | " | " | 385 | 9 430 | - 0 | 30.0 | 62 | 2.05 | h | 8.74 | 8.74 | 11.63 | 11.63 | 11.63 | 12.25 | 12.25 | |
| COCHRANE | '25 | 221E2 | Jersey | 885 | 434 | 8 290 | - 450 | 18.9 | 74 | 1.69 | h++ | 9.60 | 9.72 | 10.01 | 10.12 | 9.99 | 10.41 | 10.28 | |
| RITZMAN | '38 | " | " | J-II | 368 | 8 710 | - 660 | 9.0** | 77 | 1.80 | d+ | 9.28 | 9.43 | 12.34 | 12.54 | 12.38 | 13.33 | 13.17 | |
| " | '38 | " | Holstein | H-IV | 623 | 11 190 | - 510 | 9.0** | 77 | 1.88 | d+ | 12.34 | 12.46 | 10.00 | 10.10 | 10.06 | 9.67 | 9.63 | |

* = corrected for N-equilibrium

** = estimated

TABLE 3. Requirement of metabolizable energy for maintenance at W_0 or 500 kg. body weight (M_{m,W_0} or $M_{m,500}$) computed from data of literature experiments with various values of the gain and weight correction factors c and p

| Reference (see list at the end of this table) | Exp. or period number | Breed | Name | Body weight (kg) | Metabol. energy (kcal) | Gain (kcal) | Crude fibre in feed (% in dm) | Digestib. of om (%) | c_s | Ration | M_{m,W_0} , therms | | | | $M_{m,500}$, therms | | | | |
|---|-----------------------------|-------|--------------|------------------------|------------------------------|----------------|-------------------------------------|---------------------------|-------|--------|----------------------|-----------------|------------|------------|----------------------|------------|-----------|------------|------------|
| | | | | | | | | | | | $p = 0.8$ | | $p = 0.8$ | | $p = 1.0$ | | $p = 1.0$ | | |
| | | | | | | | | | | | $W_0 = 350,$ | $475, 650, 800$ | $c = 1.61$ | $c = 2.00$ | $c = 1.61$ | $c = 2.00$ | $c = c_s$ | $c = 1.61$ | $c = 2.00$ |
| MØLLGAARD | '23 | 15 | Red Danish | St. | 400 | 8 420 | 90 | 27.1 | 64 | 2.07 | s++ | 7.44 | 7.41 | 9.89 | 9.86 | 9.84 | 10.34 | 10.30 | 10.29 |
| " | '23 | 11 | " " | " | 432 | 12 110 | 1 750 | 26.7** | — | — | sb+ | 10.04 | 9.30 | 10.45 | 9.69 | — | 10.76 | 9.96 | — |
| " | '23 | 16 | " " | " | 412 | 12 230 | 2 250 | 21.6 | 69 | 1.88 | s++ | 9.65 | 8.67 | 10.05 | 9.02 | 9.34 | 10.45 | 9.38 | 9.71 |
| " | '23 | 22 | " " | " | 455 | 12 220 | 1 920 | 24.3 | 69 | 2.46 | sb+ | 9.45 | 8.67 | 9.84 | 9.03 | 8.08 | 10.03 | 9.21 | 8.24 |
| " | '23 | 33 | " " | " | 507 | 14 080 | 2 270 | 18.0** | — | — | sb+ | 9.89 | 9.05 | 10.31 | 9.44 | — | 10.28 | 9.41 | — |
| " | '23 | 12 | " " | " | 453 | 15 600 | 2 830 | 23.1** | — | — | sb+ | 11.47 | 10.33 | 11.96 | 10.77 | — | 12.19 | 10.97 | — |
| " | '23 | 24 | " " | " | 480 | 15 380 | 2 910 | 29.2 | 71 | 2.40 | sb+ | 10.61 | 9.48 | 11.05 | 9.89 | 8.69 | 11.14 | 9.96 | 8.75 |
| " | '23 | 35 | " " | " | 532 | 17 330 | 3 280 | 16.1** | — | — | sb+ | 11.01 | 9.84 | 11.47 | 10.25 | — | 11.32 | 10.12 | — |
| " | '23 | 21 | " " | X | 393 | 10 770 | 540 | 20.3 | 73 | 2.13 | sb+ | 9.03 | 8.84 | 12.01 | 11.75 | 11.67 | 12.60 | 12.33 | 12.24 |
| " | '23 | 23 | " " | " | 400 | 13 630 | 1 930 | 17.9 | 76 | 2.18 | sb+ | 9.46 | 8.78 | 12.58 | 11.68 | 11.27 | 13.15 | 12.21 | 11.78 |
| " | '23 | 32 | " " | K | 432 | 11 570 | 910 | 25.5** | — | — | sb+ | 10.91 | 10.53 | 11.37 | 10.97 | — | 11.70 | 11.28 | — |
| " | '23 | 34 | " " | " | 445 | 13 880 | 1 700 | 22.8** | — | — | sb+ | 11.74 | 11.05 | 12.24 | 11.51 | — | 12.52 | 11.78 | — |
| THORBÆK | '36 | 105 | " " | A 38 | 589 | 12 390 | 990 | 18.7 | 75 | 1.62 | hs++ | 11.68 | 11.26 | 9.47 | 9.13 | 9.46 | 9.16 | 8.84 | 9.16 |
| MØLLGAARD | '41 | 109 | " " | " | 614 | 13 680 | 1 370 | 19.2 | 74 | 1.74 | s++ | 12.01 | 11.45 | 9.74 | 9.29 | 9.59 | 9.34 | 8.90 | 9.20 |
| THORBÆK | '36 | 101 | " " | " | 515 | 12 920 | 1 630 | 19.4 | 74 | 1.75 | hs++ | 9.66 | 9.06 | 10.06 | 9.44 | 9.84 | 10.00 | 9.38 | 9.78 |
| " | '36 | 107 | " " | " | 625 | 16 050 | 2 330 | 22.2 | 69 | 1.87 | hs++ | 12.69 | 11.75 | 10.29 | 9.53 | 9.78 | 9.84 | 9.11 | 9.35 |
| " | '36 | 103 | " " | " | 553 | 17 100 | 3 370 | 20.9 | 71 | 1.87 | hs++ | 13.29 | 11.79 | 10.77 | 9.56 | 9.97 | 10.56 | 9.36 | 9.76 |
| " | '36 | 106 | " " | B 4 | 608 | 12 810 | 780 | 19.3 | 72 | 1.74 | hs++ | 12.19 | 11.87 | 9.88 | 9.62 | 9.79 | 9.50 | 9.25 | 9.41 |
| " | '36 | 102 | " " | " | 577 | 13 310 | 1 410 | 18.6 | 73 | 1.75 | hs++ | 12.14 | 11.54 | 9.85 | 9.36 | 9.67 | 9.57 | 9.10 | 9.40 |
| MØLLGAARD | '41 | 110 | " " | " | 624 | 13 820 | 780 | 17.4 | 75 | 1.74 | s++ | 12.99 | 12.68 | 10.53 | 10.27 | 10.44 | 10.07 | 9.82 | 9.98 |
| THORBÆK | '36 | 108 | " " | " | 627 | 16 300 | 2 520 | 23.1 | 69 | 1.90 | hs++ | 12.60 | 11.59 | 10.22 | 9.40 | 9.61 | 9.76 | 8.97 | 9.17 |
| " | '36 | 104 | " " | " | 600 | 17 480 | 3 160 | 20.0 | 70 | 1.90 | hs++ | 13.22 | 11.91 | 10.71 | 9.65 | 9.93 | 10.33 | 9.30 | 9.56 |
| MØLLGAARD | '41 | 116 | " " | A 8 | 500 | 11 720 | 1 100 | 16.7 | 75 | 1.93 | sb++ | 9.55 | 9.14 | 9.95 | 9.52 | 9.60 | 9.95 | 9.52 | 9.60 |
| " | '41 | 114 | " " | C 11 | 516 | 14 100 | 2 200 | 19.5 | 74 | 1.79 | sd++ | 9.88 | 9.08 | 10.29 | 9.46 | 9.91 | 10.23 | 9.40 | 9.85 |
| " | '41 | 122 | " " | 50 | 550 | 13 030 | 1 720 | 16.7 | 80 | 1.92 | sb++ | 9.13 | 8.54 | 9.51 | 8.89 | 9.02 | 9.33 | 8.72 | 8.84 |
| HANSEN | '43 | 124 | " " | B 89 | 435 | 11 690 | 1 860 | 16.4 | 76 | 1.96 | sb++ | 9.33 | 8.55 | 9.72 | 8.91 | 8.99 | 9.99 | 9.16 | 9.24 |
| " | '43 | 125 | " " | B 90 | 435 | 11 530 | 1 980 | 17.0 | 75 | 1.97 | sb++ | 8.95 | 8.12 | 9.32 | 8.46 | 8.53 | 9.59 | 8.70 | 8.77 |
| KELLNER | '00 | I | Bav. × Simm. | III | 858 | 24 530 | 1 300 | 24.5 | 71 | 2.09 | h++ | 21.23 | 20.75 | 14.57 | 14.23 | 14.15 | 13.08 | 12.78 | 12.72 |
| " | '00 | I | Bavarian | II | 632 | 16 390 | 830 | 33.0 | 62 | 2.11 | h | 15.40 | 15.07 | 12.48 | 12.21 | 12.12 | 11.91 | 11.65 | 11.56 |
| " | '00 | I | " | III | 632 | 14 860 | 630 | 37.4 | 59 | 2.41 | hs | 14.16 | 13.91 | 11.48 | 11.27 | 11.08 | 10.95 | 10.76 | 10.57 |
| " | '00 | II | " | III | 649 | 19 670 | 3 010 | 30.8 | 63 | 2.14 | hs+ | 14.85 | 13.68 | 12.04 | 11.08 | 10.78 | 11.42 | 10.51 | 10.22 |
| " | '00 | II | " | IV | 631 | 18 790 | 1 760 | 30.9 | 61 | 2.13 | hs+ | 16.34 | 15.64 | 13.25 | 12.67 | 12.49 | 12.64 | 12.09 | 11.92 |
| " | '00 | I | " | V | 602 | 15 140 | 1 490 | 30.8 | 61 | 2.19 | hs+ | 13.54 | 12.93 | 10.98 | 10.48 | 10.26 | 10.58 | 10.10 | 9.89 |
| " | '00 | I | " | VI | 644 | 15 920 | 1 680 | 30.8 | 64 | 2.15 | h | 13.32 | 12.66 | 10.80 | 10.26 | 10.09 | 10.26 | 9.75 | 9.58 |
| " | '00 | I | " | XX | 672 | 17 440 | 960 | 27.5 | 67 | 1.90 | h | 15.48 | 15.12 | 12.55 | 12.25 | 12.33 | 11.83 | 11.55 | 11.63 |
| " | '00 | | " | A | 620 | 16 370 | 1 550 | 27.2 | 67 | 2.04 | h | 14.42 | 13.79 | 11.68 | 11.17 | 11.12 | 11.19 | 10.70 | 10.65 |
| " | '00 | IV | " | E | 768 | 26 700 | 3 150 | 20.6 | 72 | 2.10 | h++ | 22.34 | 21.07 | 15.34 | 14.46 | 14.24 | 14.08 | 13.28 | 13.07 |
| " | '00 | III | " | F | 596 | 17 680 | 2 060 | 21.7 | 73 | 2.08 | h++ | 15.40 | 14.54 | 12.49 | 11.78 | 11.64 | 12.05 | 11.38 | 11.24 |

Table 3, continued

| Reference (see list at the end of this table) | Exp. or period number | Breed | Name | Body weight (kg) | Metabol. energy (kcal) | Gain (kcal) | Crude fibre in feed (% in dm) | Digestib. of om (%) | c_s | Ration | M_{m,W_0} , therms $p = 0.8$ | | | | $M_{m,500}$, therms | | | | |
|---|-----------------------------|-------|----------|------------------------|------------------------------|----------------|-------------------------------------|---------------------------|-------|--------|-----------------------------------|------------|------------|------------|----------------------|------------|------------|-----------|-------|
| | | | | | | | | | | | $W_0 = 350, 475, 650, 800$ | | $p = 0.8$ | | $p = 1.0$ | | | | |
| | | | | | | | | | | | $c = 1.61$ | $c = 2.00$ | $c = 1.61$ | $c = 2.00$ | $c = c_s$ | $c = 1.61$ | $c = 2.00$ | $c = c_s$ | |
| KELLNER | '00 | III | Bavarian | G | 622 | 17 380 | 1 780 | 23.6 | 73 | 2.03 | h++ | 15.04 | 14.32 | 12.19 | 11.61 | 11.57 | 11.67 | 11.11 | 11.07 |
| " | '00 | I | " | " | 617 | 22 710 | 3 680 | 28.5 | 64 | 2.23 | hs+ | 17.51 | 16.01 | 14.19 | 12.97 | 12.25 | 13.60 | 12.43 | 11.74 |
| " | '00 | IV | " | H | 669 | 17 440 | 2 060 | 23.3 | 76 | 1.93 | h++ | 13.80 | 13.01 | 11.19 | 10.55 | 10.66 | 10.56 | 9.95 | 10.05 |
| " | '00 | I | " | " | 646 | 21 980 | 2 740 | 31.0 | 64 | 2.18 | hs++ | 17.66 | 16.58 | 14.31 | 13.45 | 13.05 | 13.60 | 12.77 | 12.39 |
| " | '00 | IV | " | J | 635 | 17 870 | 2 300 | 22.5 | 77 | 1.94 | h++ | 14.44 | 13.52 | 11.70 | 10.96 | 11.08 | 11.16 | 10.44 | 10.55 |
| " | '00 | I | " | " | 615 | 22 630 | 3 570 | 30.5 | 67 | 2.15 | hs++ | 17.64 | 16.19 | 14.30 | 13.12 | 12.66 | 13.73 | 12.59 | 12.15 |
| FINGERLING | '38 | IV | " | K | 678 | 17 670 | 2 220 | 21.0 | 77 | 1.92 | h++ | 13.63 | 12.79 | 11.05 | 10.37 | 10.51 | 10.40 | 9.75 | 9.88 |
| NEHRING | '53 | V | " | M | 707 | 20 990 | 3 420 | 21.6 | 75 | 1.95 | h++ | 14.48 | 13.23 | 11.74 | 10.73 | 10.85 | 10.95 | 10.00 | 10.12 |
| " | '53 | IV | " | N | 661 | 20 920 | 2 300 | 21.6 | 74 | 1.98 | h++ | 16.99 | 16.11 | 13.77 | 13.06 | 13.10 | 13.02 | 12.34 | 12.38 |
| " | '56 | VI | " | " | 681 | 20 770 | 1 890 | 21.6 | 74 | 1.97 | h++ | 17.09 | 16.38 | 13.85 | 13.27 | 13.32 | 13.02 | 12.47 | 12.51 |
| " | '56 | XI | " | O | 753 | 24 660 | 1 520 | 23.2 | 72 | 2.05 | h++ | 23.30 | 22.68 | 16.01 | 15.59 | 15.53 | 14.75 | 14.36 | 14.30 |
| " | '56 | II | " | " | 697 | 26 300 | 3 600 | 27.4 | 65 | 2.15 | h++ | 19.40 | 18.07 | 15.72 | 14.65 | 14.24 | 14.71 | 13.70 | 13.31 |
| " | '56 | I | " | " | 651 | 22 560 | 3 150 | 20.3 | 76 | 1.92 | h++ | 17.47 | 16.24 | 14.16 | 13.17 | 13.37 | 13.43 | 12.49 | 12.68 |
| " | '53 | VI | " | P | 720 | 22 370 | 3 120 | 20.3 | 74 | 1.94 | h+ | 15.99 | 14.87 | 12.96 | 12.05 | 12.19 | 12.05 | 11.19 | 11.33 |
| " | '53 | I | " | " | 636 | 22 330 | 3 880 | 20.3 | 75 | 1.91 | h++ | 16.37 | 14.83 | 13.27 | 12.02 | 12.31 | 12.64 | 11.45 | 11.73 |
| FINGERLING | '34 | VIII | " | Q | 740 | 21 610 | 3 660 | 19.9 | 71 | 1.87 | h++ | 14.18 | 12.89 | 11.49 | 10.45 | 10.80 | 10.62 | 9.66 | 9.98 |
| " | '34 | I | " | " | 636 | 21 420 | 5 130 | 19.7 | 71 | 1.86 | h++ | 13.40 | 11.36 | 10.86 | 9.21 | 9.80 | 10.35 | 8.77 | 9.34 |
| NEHRING | '53 | III | " | R | 713 | 21 340 | 4 000 | 23.7 | 72 | 2.04 | h++ | 13.84 | 12.39 | 11.22 | 10.05 | 9.92 | 10.45 | 9.35 | 9.24 |
| " | '56 | V | " | T | 734 | 20 010 | 3 670 | 19.3 | 77 | 1.93 | h++ | 12.80 | 11.50 | 10.38 | 9.33 | 9.52 | 9.61 | 8.63 | 8.81 |
| " | '56 | II | " | " | 670 | 20 010 | 4 820 | 19.2 | 77 | 1.93 | h++ | 11.96 | 10.12 | 9.70 | 8.21 | 8.48 | 9.14 | 7.74 | 7.99 |
| FINGERLING | '33 | VII | " | U | 758 | 21 850 | 3 630 | 22.4 | 71 | 2.03 | h++ | 16.71 | 15.23 | 11.47 | 10.53 | 10.38 | 10.56 | 9.70 | 9.56 |
| " | '33 | IV | " | " | 700 | 21 580 | 4 250 | 22.4 | 71 | 2.03 | h++ | 13.90 | 12.33 | 11.26 | 9.99 | 9.89 | 10.53 | 9.34 | 9.25 |
| " | '33 | I | " | " | 648 | 21 510 | 4 920 | 22.3 | 71 | 2.00 | h++ | 13.63 | 11.71 | 11.05 | 9.49 | 9.49 | 10.49 | 9.01 | 9.01 |
| " | '33 | VII | " | V | 719 | 21 760 | 4 010 | 22.4 | 72 | 1.99 | h++ | 14.13 | 12.68 | 11.45 | 10.28 | 10.31 | 10.64 | 9.55 | 9.58 |
| " | '33 | IV | " | " | 665 | 21 820 | 4 810 | 22.4 | 71 | 2.03 | h++ | 13.82 | 11.98 | 11.21 | 9.71 | 9.60 | 10.58 | 9.17 | 9.07 |
| " | '33 | I | " | " | 596 | 22 150 | 5 910 | 22.4 | 72 | 2.01 | h++ | 13.54 | 11.07 | 10.98 | 8.98 | 8.92 | 10.60 | 8.67 | 8.62 |
| " | '34 | IV | " | W | 708 | 22 020 | 3 800 | 19.1 | 72 | 1.89 | h++ | 14.85 | 13.47 | 12.04 | 10.92 | 11.23 | 11.23 | 10.18 | 10.48 |
| " | '34 | I | " | " | 641 | 21 900 | 4 280 | 19.1 | 72 | 1.88 | h++ | 15.17 | 13.49 | 12.31 | 10.94 | 11.36 | 11.71 | 10.40 | 10.80 |
| " | '34 | IV | " | X | 706 | 21 940 | 3 960 | 19.1 | 70 | 1.92 | h++ | 14.57 | 13.12 | 11.81 | 10.64 | 10.88 | 11.02 | 9.93 | 10.15 |
| " | '34 | I | " | " | 638 | 21 530 | 4 570 | 19.0 | 71 | 1.87 | h++ | 14.38 | 12.58 | 11.67 | 10.20 | 10.68 | 11.11 | 9.71 | 10.18 |
| NEHRING | '56 | VII | " | Y | 742 | 23 060 | 3 580 | 19.6 | 70 | 2.06 | h++ | 15.57 | 14.31 | 12.62 | 11.61 | 11.45 | 11.66 | 10.72 | 10.58 |
| FINGERLING | '37 | IV | " | " | 682 | 23 530 | 4 500 | 19.5 | 71 | 2.09 | h++ | 15.68 | 13.99 | 12.71 | 11.33 | 11.02 | 11.94 | 10.65 | 10.36 |
| " | '37 | I | " | " | 596 | 23 730 | 5 370 | 19.4 | 71 | 2.10 | h++ | 16.17 | 13.93 | 13.11 | 11.29 | 10.82 | 12.65 | 10.90 | 10.45 |
| " | '37 | IV | " | Z | 668 | 23 670 | 5 650 | 19.6 | 72 | 2.07 | h++ | 14.27 | 12.11 | 11.56 | 9.81 | 9.49 | 10.91 | 9.26 | 8.97 |
| " | '37 | I | " | " | 588 | 23 410 | 6 480 | 19.4 | 71 | 2.08 | h++ | 14.07 | 11.33 | 11.40 | 9.19 | 8.73 | 11.04 | 8.88 | 8.44 |
| " | '34 | II | " | 16 | 685 | 19 670 | 310 | 20.4 | 75 | 1.89 | h++ | 18.38 | 18.27 | 14.90 | 14.80 | 10.73 | 13.99 | 13.91 | 10.08 |
| " | '34 | IV | " | 16 | 733 | 24 660 | 3 240 | 16.6 | 77 | 1.83 | h++ | 17.67 | 16.53 | 14.32 | 13.40 | 13.80 | 13.26 | 12.40 | 12.77 |
| " | '34 | III | " | 16 | 731 | 25 360 | 3 320 | 16.6 | 77 | 1.86 | h++ | 18.21 | 17.04 | 14.77 | 13.82 | 14.15 | 13.69 | 12.80 | 13.12 |
| " | '37 | I | " | 16 | 671 | 25 840 | 3 470 | 16.6 | 77 | 1.80 | h++ | 19.75 | 18.43 | 16.01 | 14.95 | 15.50 | 15.09 | 14.08 | 14.59 |
| NEHRING | '53 | XI | " | 17 | 826 | 18 620 | 1 020 | 22.8 | 69 | 1.95 | h++ | 16.54 | 16.15 | 11.36 | 11.09 | 11.13 | 10.28 | 10.03 | 10.06 |

Table 3, continued

| Reference (see list at the end of this table) | Exp. or period number | Breed | Name | Body weight (kg) | Metabol. energy (kcal) | Gain (kcal) | Crude fibre in feed (% in dm) | Digestib. of om (%) | c_s | Ration | M_{m,W_0} , therms $p = 0.8$ | | | $M_{m,500}$, therms | | | | | |
|---|-----------------------------|--------|-----------|------------------------|------------------------------|----------------|-------------------------------------|---------------------------|-------|--------|-----------------------------------|------------|------------|----------------------|-----------|------------|------------|-----------|-------|
| | | | | | | | | | | | $W_0 = 350, 475, 650, 800$ | | | $p = 0.8$ | | $p = 1.0$ | | | |
| | | | | | | | | | | | $c = 1.61$ | $c = 2.00$ | $c = 1.61$ | $c = 2.00$ | $c = c_s$ | $c = 1.61$ | $c = 2.00$ | $c = c_s$ | |
| FINGERLING | '34 | II | Bavarian | 17 | 675 | 19 250 | 1 630 | 20.4 | 73 | 1.93 | h++ | 16.14 | 15.53 | 13.08 | 12.58 | 12.67 | 12.32 | 11.85 | 11.93 |
| NEHRING | '53 | XX | " | 17 | 978 | 23 720 | 2 950 | 18.7 | 75 | 1.91 | h++ | 16.14 | 15.16 | 11.09 | 10.42 | 10.58 | 9.70 | 9.11 | 9.24 |
| " | '53 | XVI | " | 17 | 904 | 23 590 | 4 120 | 18.7 | 75 | 1.87 | h++ | 15.38 | 13.92 | 10.56 | 9.56 | 9.90 | 9.38 | 8.49 | 8.79 |
| FINGERLING | '37 | I | " | 18 | 629 | 19 920 | 2 010 | 18.5 | 73 | 1.80 | h++ | 17.13 | 16.33 | 13.89 | 13.24 | 13.58 | 13.26 | 12.64 | 12.96 |
| NEHRING | '53 | XV | " | 19 | 1006 | 23 400 | 780 | 18.7 | 75 | 1.86 | h++ | 18.45 | 18.19 | 12.66 | 12.49 | 12.56 | 11.01 | 10.85 | 10.91 |
| " | '53 | V | " | 19 | 802 | 19 910 | 850 | 18.4 | 73 | 1.78 | h++ | 18.50 | 18.17 | 12.71 | 12.49 | 12.62 | 11.56 | 11.34 | 11.46 |
| FINGERLING | '37 | I | " | 19 | 705 | 20 730 | 1 620 | 18.6 | 74 | 1.82 | h++ | 16.98 | 16.39 | 13.77 | 13.29 | 13.51 | 12.85 | 12.40 | 12.61 |
| NEHRING | '53 | XI | " | 19 | 890 | 23 410 | 2 740 | 18.7 | 75 | 1.85 | h++ | 17.44 | 16.46 | 11.98 | 11.31 | 11.57 | 10.67 | 10.08 | 10.31 |
| FINGERLING | '44 | XIII | " | 22 | 646 | 16 130 | 1 770 | 22.1 | 71 | 1.93 | h++ | 13.35 | 12.65 | 10.82 | 10.26 | 10.36 | 10.28 | 9.74 | 9.84 |
| " | '44 | X | " | 24 | 795 | 18 910 | 2 120 | 22.9 | 71 | 1.95 | h++ | 15.57 | 14.74 | 10.69 | 10.12 | 10.20 | 9.75 | 9.23 | 9.30 |
| NEHRING | '53 | I | " | 24 | 613 | 18 770 | 2 580 | 20.4 | 74 | 1.89 | h++ | 15.32 | 14.26 | 12.42 | 11.57 | 11.81 | 11.92 | 11.11 | 11.33 |
| FINGERLING | '44 | XI | " | 24 | 839 | 22 850 | 3 510 | 20.8 | 72 | 1.93 | h++ | 16.55 | 15.23 | 11.37 | 10.46 | 10.63 | 10.25 | 9.44 | 9.58 |
| " | '44 | VII | " | 24 | 792 | 19 030 | 2 610 | 22.5 | 72 | 1.94 | h++ | 14.95 | 13.92 | 10.27 | 9.56 | 9.67 | 9.36 | 8.71 | 8.82 |
| " | '44 | X | " | 25 | 692 | 18 320 | 2 290 | 22.9 | 70 | 1.92 | h++ | 13.92 | 13.07 | 11.29 | 10.59 | 10.73 | 10.57 | 9.93 | 10.06 |
| NEHRING | '53 | VI | " | 25 | 697 | 19 320 | 2 910 | 20.4 | 74 | 1.93 | h++ | 13.84 | 12.77 | 11.22 | 10.35 | 10.51 | 10.50 | 9.68 | 9.82 |
| " | '53 | I | " | 25 | 614 | 19 410 | 3 300 | 20.4 | 74 | 1.95 | h++ | 14.76 | 13.41 | 11.97 | 10.88 | 11.01 | 11.48 | 10.43 | 10.56 |
| " | '53 | I | " | 26 | 688 | 18 520 | 1 280 | 20.4 | 74 | 1.87 | h++ | 15.72 | 15.24 | 12.76 | 12.37 | 12.50 | 11.96 | 11.60 | 11.73 |
| " | '53 | III | " | 26 | 713 | 23 150 | 3 380 | 18.6 | 73 | 1.90 | h++ | 16.45 | 15.23 | 13.34 | 12.34 | 12.60 | 12.42 | 11.49 | 11.73 |
| ARMSBY | '03 | 174C | Shorthorn | I | 416 | 11 200 | 450 | 36.6 | 58 | 2.47 | h+ | 11.65 | 11.45 | 12.14 | 11.94 | 11.69 | 12.59 | 12.38 | 12.13 |
| " | '03 | 174D | " | " | 424 | 12 190 | 700 | 37.2 | 55 | 2.50 | h+ | 12.13 | 11.83 | 12.63 | 12.32 | 11.92 | 13.05 | 12.72 | 12.31 |
| " | '05 | 179-4 | " | " | 532 | 18 050 | 3 400 | 16.8 | 78 | 1.71 | h+ | 11.49 | 10.28 | 11.97 | 10.71 | 11.65 | 11.82 | 10.58 | 11.51 |
| FORBES | '25 | 212-3 | " | H | 354 | 10 710 | 990 | 30.1 | 62 | 2.40 | h | 9.04 | 8.66 | 12.02 | 11.51 | 10.99 | 12.88 | 12.33 | 11.76 |
| " | '25 | 212-1 | " | " | 349 | 13 450 | 2 360 | 29.4 | 62 | 2.35 | h | 9.68 | 8.76 | 12.87 | 11.65 | 10.54 | 13.83 | 12.51 | 11.32 |
| ARMSBY | '17 | 217-4 | " | J | 642 | 14 280 | 50 | 13.2 | 78 | 1.71 | h++ | 14.34 | 14.32 | 11.63 | 11.61 | 11.62 | 11.06 | 11.05 | 11.05 |
| " | '18 | 216-6 | " | " | 403 | 12 020 | 1 190 | 30.0 | 61 | 2.26 | h | 11.53 | 11.00 | 12.01 | 11.46 | 11.09 | 12.54 | 11.96 | 11.58 |
| " | '18 | 216-3 | " | " | 387 | 12 070 | 1 210 | 22.6 | 69 | 1.90 | h+ | 9.34 | 8.91 | 12.43 | 11.85 | 12.00 | 13.08 | 12.47 | 12.62 |
| " | '17 | 217-1 | " | " | 490 | 12 290 | 1 390 | 13.4 | 78 | 1.72 | h++ | 9.80 | 9.27 | 10.21 | 9.66 | 10.06 | 10.26 | 9.70 | 10.10 |
| " | '17 | 216-5 | " | " | 404 | 15 180 | 2 350 | 29.5 | 60 | 2.25 | h | 12.98 | 11.94 | 13.52 | 12.44 | 11.74 | 14.10 | 12.97 | 12.24 |
| " | '16 | 220-3 | " | K | 490 | 11 290* | 540* | 12.0 | 80 | 1.66 | h+ | 10.16 | 9.95 | 10.59 | 10.37 | 10.56 | 10.63 | 10.41 | 10.60 |
| FORBES | '31 | 5 | " | 17 | 338 | 7 780 | 700 | 18.8 | 75 | 1.81 | h+ | 6.84 | 6.56 | 9.10 | 8.73 | 8.91 | 9.84 | 9.44 | 9.63 |
| " | '30 | 240-12 | " | 57 | 426 | 10 200 | 240 | 34.5 | 60 | 2.57 | h | 10.71 | 10.60 | 11.16 | 11.05 | 10.89 | 11.52 | 11.41 | 11.25 |
| " | '30 | 240-2 | " | 57 | 360 | 8 210 | 300 | 18.3 | 77 | 1.81 | h+ | 7.56 | 7.44 | 10.05 | 9.90 | 9.98 | 10.73 | 10.57 | 10.65 |
| " | '30 | 240-4 | " | 57 | 384 | 12 580 | 3 090 | 18.4 | 77 | 1.85 | h+ | 7.07 | 5.95 | 9.40 | 7.90 | 8.47 | 9.90 | 8.33 | 8.93 |
| " | '30 | 240-1 | " | 60 | 311 | 7 530 | 270 | 18.4 | 76 | 1.81 | h+ | 7.80 | 7.68 | 10.37 | 10.22 | 10.29 | 11.41 | 11.24 | 11.32 |
| " | '30 | 240-3 | " | 60 | 333 | 11 340 | 2 520 | 18.4 | 74 | 1.88 | h+ | 7.58 | 6.56 | 10.09 | 8.73 | 9.14 | 10.94 | 9.46 | 9.91 |
| " | '30 | 240-5 | " | 60 | 358 | 15 060 | 3 900 | 18.4 | 74 | 1.87 | h+ | 8.63 | 7.14 | 11.48 | 9.49 | 10.16 | 12.26 | 10.14 | 10.85 |
| MITCHELL | '32 | 2 | " | X | 613 | 13 630 | 1 110 | 9.6 | — | 1.60 | h++ | 12.41 | 11.96 | 10.06 | 9.70 | 10.07 | 9.66 | 9.31 | 9.67 |
| RITZMAN | '38 | | Jersey | J-I | 415 | 12 680 | 1 060 | 32.8 | 62 | 2.55 | h | 12.22 | 11.76 | 12.74 | 12.26 | 11.59 | 13.22 | 12.72 | 12.03 |
| " | '38 | | " | " | 448 | 14 850 | 1 710 | 30.2 | 60 | 2.45 | h | 12.68 | 11.98 | 13.21 | 12.48 | 11.64 | 13.50 | 12.76 | 11.90 |
| " | '38 | | " | " | 445 | 14 700 | 1 840 | 26.5 | 62 | 2.40 | h | 12.37 | 11.62 | 12.89 | 12.10 | 11.29 | 13.19 | 12.39 | 11.55 |

Table 3, continued

| Reference (see list at the end of this table) | Exp. or period number | Breed | Name | Body weight (kg) | Metabol. energy (kcal) | Gain (kcal) | Crude fibre in feed (% in dm) | Digestib. of om (%) | c_s | Ration | M_{m,W_0} , therms $p = 0.8$ | | | $M_{m,500}$, therms | | | | | |
|---|-----------------------------|----------|-----------|------------------------|------------------------------|----------------|-------------------------------------|---------------------------|-------|--------|-----------------------------------|------------|------------|----------------------|-----------|------------|------------|-----------|-------|
| | | | | | | | | | | | $W_0 = 350, 475, 650, 800$ | | | $p = 0.8$ | | $p = 1.0$ | | | |
| | | | | | | | | | | | $c = 1.61$ | $c = 2.00$ | $c = 1.61$ | $c = 2.00$ | $c = c_s$ | $c = 1.61$ | $c = 2.00$ | $c = c_s$ | |
| RITZMAN | '38 | Jersey | J-I | 402 | 14 530 | 2 790 | 30.9 | 62 | 2.75 | h | 11.47 | 10.23 | 11.95 | 10.66 | 8.17 | 12.49 | 11.13 | 8.53 | |
| " | '38 | | J-II | 410 | 12 940 | 740 | 32.8 | 63 | 2.58 | h | 13.22 | 12.89 | 13.77 | 13.43 | 12.93 | 14.33 | 13.98 | 13.46 | |
| " | '38 | " | " | 411 | 14 730 | 1 680 | 30.2 | 61 | 2.46 | h | 13.50 | 12.77 | 14.07 | 13.30 | 12.40 | 14.63 | 13.84 | 12.90 | |
| " | '38 | " | " | 404 | 13 600 | 1 680 | 26.5 | 59 | 2.40 | h | 12.41 | 11.66 | 12.93 | 12.15 | 11.36 | 13.48 | 12.68 | 11.85 | |
| COCHRANE | '25 | 221F-2 | " | 874 | 9 600 | 530 | 20.5 | 72 | 1.79 | h++ | 9.73 | 9.50 | 10.14 | 9.90 | 10.03 | 10.51 | 10.26 | 10.40 | |
| " | '25 | 221F-1 | " | 874 | 14 780 | 3 820 | 20.5 | 70 | 1.87 | h++ | 9.36 | 7.75 | 9.76 | 8.08 | 8.64 | 10.06 | 8.32 | 8.91 | |
| " | '25 | 221D-1 | " | 885 | 8 930 | 550 | 21.2 | 72 | 1.83 | h++ | 9.01 | 8.72 | 9.34 | 9.09 | 9.20 | 9.69 | 9.44 | 9.54 | |
| " | '25 | 221D-3 | " | 885 | 426 | 9 660 | 840 | 20.2 | 75 | 1.75 | h++ | 9.06 | 8.71 | 9.45 | 9.07 | 9.31 | 9.75 | 9.37 | 9.62 |
| " | '25 | 221E-1 | " | 885 | 443 | 11 780 | 2 060 | 20.2 | 74 | 1.74 | h++ | 8.95 | 8.10 | 9.32 | 8.44 | 9.04 | 9.55 | 8.65 | 9.26 |
| " | '25 | 221D-2 | " | 885 | 430 | 13 510 | 3 900 | 21.4 | 72 | 1.80 | h++ | 7.83 | 6.18 | 8.16 | 6.44 | 7.32 | 8.41 | 6.64 | 7.55 |
| " | '25 | 221D-1 | " | 886 | 400 | 9 310 | 1 250 | 20.8 | 74 | 1.79 | h++ | 6.56 | 6.12 | 8.72 | 8.14 | 8.46 | 9.12 | 8.51 | 8.84 |
| " | '25 | 221D-3 | " | 886 | 420 | 9 410 | 1 490 | 19.8 | 73 | 1.80 | h++ | 7.74 | 7.10 | 8.06 | 7.39 | 7.74 | 8.35 | 7.65 | 8.01 |
| " | '25 | 221F-2 | " | 887 | 320 | 8 970 | 580 | 19.5 | 75 | 1.71 | h++ | 8.64 | 8.40 | 11.48 | 11.17 | 11.41 | 12.56 | 12.20 | 12.46 |
| " | '25 | 221F-1 | " | 887 | 335 | 13 670 | 3 340 | 19.5 | 69 | 1.90 | h++ | 8.59 | 7.24 | 11.43 | 9.63 | 10.09 | 12.38 | 10.44 | 10.93 |
| RITZMAN | '38 | Holstein | H-I | 555 | 14 940 | 1 390 | 34.1 | 55 | 2.40 | h | 14.42 | 13.80 | 11.69 | 11.19 | 10.67 | 11.44 | 10.96 | 10.45 | |
| " | '38 | | " | " | 594 | 15 050 | 1 590 | 34.9 | 50 | 2.79 | h | 13.43 | 12.76 | 10.88 | 10.34 | 9.24 | 10.51 | 10.00 | 8.93 |
| " | '38 | " | H-IV | 670 | 15 170 | 720 | 26.5 | 62 | 2.31 | h | 13.67 | 13.40 | 11.09 | 10.87 | 10.70 | 10.46 | 10.24 | 10.08 | |
| " | '38 | " | " | 629 | 16 920 | 2 930 | 34.1 | 58 | 2.45 | h | 12.53 | 11.36 | 10.16 | 9.21 | 8.11 | 9.70 | 8.79 | 7.74 | |
| " | '38 | " | H-V | 621 | 14 180 | 200 | 26.5 | 59 | 2.33 | h | 14.37 | 14.29 | 11.65 | 11.59 | 11.53 | 11.16 | 11.09 | 11.04 | |
| " | '38 | " | " | 562 | 11 740 | 240 | 9.0** | 75 | 1.78 | d+ | 12.76 | 12.66 | 10.34 | 10.26 | 10.30 | 10.10 | 10.02 | 10.07 | |
| " | '38 | " | " | 577 | 13 600 | 530 | 34.9 | 56 | 2.56 | h | 14.02 | 13.79 | 11.37 | 11.19 | 10.92 | 11.05 | 10.87 | 10.61 | |
| " | '38 | " | " | 621 | 16 550 | 1 090 | 30.2 | 61 | 2.46 | h | 15.34 | 14.90 | 12.44 | 12.09 | 11.66 | 11.91 | 11.57 | 11.17 | |
| " | '38 | " | " | 632 | 17 440 | 1 300 | 30.2 | 60 | 2.40 | h | 15.70 | 15.18 | 12.73 | 12.30 | 11.87 | 12.14 | 11.74 | 11.33 | |
| " | '38 | " | " | 599 | 15 390 | 1 300 | 32.8 | 60 | 2.57 | h | 14.20 | 13.66 | 11.51 | 11.08 | 10.44 | 11.10 | 10.68 | 10.06 | |
| " | '38 | " | " | 564 | 12 400 | 1 720 | 34.1 | 56 | 2.59 | h | 10.79 | 10.04 | 8.75 | 8.14 | 7.22 | 8.54 | 7.95 | 7.05 | |
| " | '38 | " | " | 622 | 18 480 | 3 060 | 34.7 | 66 | 2.51 | h | 14.04 | 12.80 | 11.38 | 10.38 | 9.07 | 10.90 | 9.94 | 8.68 | |
| " | '38 | " | H-VI | 473 | 15 480 | 1 700 | 32.8 | 59 | 2.65 | h | 12.79 | 12.13 | 13.32 | 12.64 | 11.49 | 13.47 | 12.77 | 11.61 | |
| ARMSBY | '11 | 207-4 | Ab. Angus | A | 514 | 10 150 | 650 | 30.0 | 63 | 2.06 | h | 8.55 | 8.31 | 8.91 | 8.66 | 8.62 | 8.86 | 8.61 | 8.57 |
| " | '11 | 200-1 | " | " | 404 | 10 740 | 1 410 | 22.9 | 68 | 1.94 | h++ | 9.65 | 9.02 | 10.05 | 9.40 | 9.50 | 10.48 | 9.80 | 9.90 |
| " | '11 | 207-1 | " | " | 499 | 12 070 | 1 900 | 21.0 | 70 | 1.83 | h++ | 8.67 | 7.96 | 9.03 | 8.29 | 8.61 | 9.03 | 8.29 | 8.61 |
| FORBES | '27 | 237-12 | " | 36 | 318 | 8 170 | 370 | 22.8 | 65 | 1.90 | h+ | 8.19 | 8.03 | 10.89 | 10.68 | 10.73 | 11.91 | 11.68 | 11.74 |
| " | '28 | 238-8 | " | 36 | 481 | 10 310 | 470 | 18.0 | 77 | 1.85 | h+ | 9.46 | 9.28 | 9.85 | 9.66 | 9.73 | 9.93 | 9.74 | 9.82 |
| " | '28 | 238-4 | " | 36 | 490 | 14 680 | 2 820 | 18.0 | 76 | 1.89 | h+ | 9.89 | 8.81 | 10.30 | 9.18 | 9.50 | 10.35 | 9.22 | 9.54 |
| " | '27 | 237-6 | " | 47 | 357 | 8 730 | 170 | 31.2 | 64 | 2.45 | d | 8.33 | 8.26 | 11.07 | 10.98 | 10.88 | 11.84 | 11.75 | 11.64 |
| " | '28 | 238-9 | " | 47 | 499 | 11 680 | 420 | 33.5 | 60 | 2.66 | h | 10.59 | 10.43 | 11.03 | 10.86 | 10.58 | 11.03 | 10.86 | 10.58 |
| " | '27 | 237-4 | " | 47 | 362 | 8 750 | 460 | 23.1 | 72 | 1.84 | d | 7.80 | 7.63 | 10.37 | 10.14 | 10.23 | 11.06 | 10.81 | 10.91 |
| " | '27 | 237-13 | " | 47 | 347 | 9 080 | 720 | 23.0 | 68 | 1.89 | h+ | 7.98 | 7.69 | 10.61 | 10.24 | 10.34 | 11.41 | 11.01 | 11.12 |
| " | '28 | 238-7 | " | 47 | 485 | 10 570 | 1 180 | 17.9 | 77 | 1.87 | h+ | 8.53 | 8.08 | 8.89 | 8.42 | 8.57 | 8.94 | 8.46 | 8.62 |
| " | '27 | 237-2 | " | 47 | 360 | 10 800 | 1 550 | 21.6 | 73 | 1.60 | d | 8.12 | 7.53 | 10.81 | 10.02 | 10.82 | 11.53 | 10.70 | 11.56 |

Table 3, continued

| Reference (see list at the end of this table) | Exp. or period number | Breed | Name | Body weight (kg) | Metabol. energy (kcal) | Gain (kcal) | Crude fibre in feed (% in dm) | Digestib. of om (%) | c_p | Ration | M_{m,W_0} , therms $p = 0.8$ | | | | $M_{m,500}$, therms | | | | |
|---|-----------------------------|-------|------------|------------------------|------------------------------|----------------|-------------------------------------|---------------------------|-------|--------|-----------------------------------|------------|------------|------------|----------------------|------------|------------|-----------|-------|
| | | | | | | | | | | | $W_0 = 350, 475, 650, 800$ | | | | $p = 0.8$ | | $p = 1.0$ | | |
| | | | | | | | | | | | $c = 1.61$ | $c = 2.00$ | $c = 1.61$ | $c = 2.00$ | $c = c_p$ | $c = 1.61$ | $c = 2.00$ | $c = c_p$ | |
| FORBES | '28 | 238-3 | Ab. Angus | 47 | 495 | 15 560 | 3 870 | 18.0 | 76 | 1.91 | h+ | 9.03 | 7.57 | 9.41 | 7.88 | 8.24 | 9.42 | 7.90 | 8.25 |
| " | '27 | 237-8 | " " | 254 | 340 | 9 040 | 460 | 15.8 | 70 | 1.72 | d | 8.50 | 8.31 | 11.30 | 11.05 | 11.23 | 12.20 | 11.94 | 12.14 |
| FINGERLING | '32 | V | Simmenthal | 10 | 756 | 17 940 | 360 | 18.3 | 75 | 1.77 | h++ | 18.16 | 18.01 | 12.48 | 12.38 | 12.44 | 11.48 | 11.38 | 11.44 |
| " | '32 | IX | " | 10 | 786 | 18 670 | 380 | 20.6 | 74 | 1.83 | h++ | 18.31 | 18.16 | 12.58 | 12.47 | 12.51 | 11.49 | 11.39 | 11.43 |
| " | '32 | I | " | 10 | 669 | 19 120 | 1 700 | 16.9 | 76 | 1.82 | h++ | 16.01 | 15.36 | 12.98 | 12.45 | 12.70 | 12.24 | 11.74 | 11.97 |
| " | '33 | XV | " | 10 | 849 | 22 060 | 1 880 | 23.0 | 72 | 1.88 | h++ | 18.14 | 17.44 | 12.46 | 11.99 | 12.14 | 11.21 | 10.78 | 10.91 |
| " | '32 | IV | " | 10 | 753 | 23 400 | 2 790 | 15.4 | 77 | 1.78 | h++ | 19.83 | 18.69 | 13.63 | 12.85 | 13.29 | 12.56 | 11.83 | 12.24 |
| " | '32 | VI | " | 10 | 777 | 23 350 | 2 870 | 21.4 | 74 | 1.84 | h++ | 19.16 | 18.02 | 13.16 | 12.38 | 12.70 | 12.05 | 11.34 | 11.64 |
| " | '31 | I | " | 25 | 762 | 15 440 | 1 010 | 29.2 | 67 | 2.07 | h | 14.37 | 13.96 | 9.86 | 9.58 | 9.53 | 9.06 | 8.80 | 8.76 |
| " | '31 | III | " | 25 | 758 | 15 850 | 1 070 | 29.2 | 68 | 2.09 | h | 14.75 | 14.31 | 10.13 | 9.83 | 9.76 | 9.32 | 9.05 | 8.98 |
| " | '31 | II | " | 25 | 768 | 19 570 | 2 900 | 28.6 | 69 | 2.06 | h+ | 15.39 | 14.22 | 10.57 | 9.76 | 9.64 | 9.70 | 8.96 | 8.85 |
| FORBES | '25 | 209-4 | Hereford | F | 321 | 11 400* | 330* | 31.7 | — | — | h | 11.65 | 11.51 | 15.50 | 15.32 | — | 16.93 | 16.73 | — |
| " | '25 | 209-1 | " | " | 301 | 11 360* | 2 370* | 14.2 | — | — | h++ | 8.52 | 7.47 | 11.33 | 9.94 | — | 12.53 | 11.00 | — |
| ARMSBY | '17 | 211-1 | " | G | 389 | 12 050 | 340 | 33.8 | 61 | 2.27 | h | 10.57 | 10.45 | 14.07 | 13.91 | 13.80 | 14.78 | 14.61 | 14.49 |
| " | '11 | 200-2 | Scrub | B | 310 | 10 910 | 1 180 | 20.7 | 66 | 1.90 | h++ | 9.94 | 9.43 | 13.21 | 12.53 | 12.71 | 14.53 | 13.79 | 13.98 |
| " | '11 | 207-2 | " | " | 386 | 14 090 | 2 570 | 18.9 | 73 | 1.80 | h++ | 9.21 | 8.28 | 12.24 | 11.01 | 11.64 | 12.89 | 11.59 | 12.25 |

* = corrected for N-equilibrium

** = estimated

REFERENCES
of tables 2 and 3

- ARMSBY, H. P. and FRIES, J. A., *J. of Agr. Res.* 10 (1917) 599; 11 (1917) 451 and 15 (1918) 269.
 ———, *U. S. Dept. of Agr. Bur. of An. Ind. Bull.* 51 (1903); 74 (1905); 101 (1908) and 128 (1911).
 ———, FRIES, J. A. and BRAMAN, W. W., *J. of Agr. Res.* 7 (1916) 379.
 COCHRANE, D. C., FRIES, J. A. and BRAMAN, W. W., *J. of Agr. Res.* 31 (1925) 1055.
 FINGERLING, G., *Landw. Versuchsstat.* 112 (1931) 243; 113 (1932) 1; 114 (1933) 1; 116 (1933) 1; 117 (1933) 229; 118 (1934) 287; 121 (1934) 1; 127 (1937) 157, 235 and 129 (1938) 177.
 ———, *Z. f. Tierern. und Futterm.* 7 (1944) 201 and 8 (1944) 46.
 FORBES, E. B., BRAMAN, W. W. and KRISS, M., *J. of Agr. Res.* 34 (1927) 785; 37 (1928) 253 and 40 (1930) 37.
 ———, BRAMAN, W. W., KNISS, M. and SWIFT, R. W., *J. of Agr. Res.* 13 (1931) 1015.
 ———, FRIES, J. A. and BRAMAN, W. W., *J. of Agr. Res.* 31 (1925) 987.
 FORBES and KRISS, M., *J. of Agr. Res.* 31 (1925) 1083.
 HANSEN, I. G. and THORBEK, G., *Beretning fra Forsøgslab. København 204*, 1943.
 KELLNER, O. and KÖHLER, A., *Landw. Versuchsstat.* 53 (1900) 1.
 MITCHELL, H. H. and HAMILTON, T. S., *J. of Agr. Res.* 45 (1932) 163.
 MØLLGAARD, H., *Beretning fra Forsøgslab. København 111*, 1923.
 ——— and LUND, A., *Beretning fra Forsøgslab. København 131*, 1929.
 ——— and THORBEK, G., *Beretning fra Forsøgslab. København 196*, 1941.
 NEHRING, K., *Festschrift Möckern III*, Deutscher Bauernverlag, Berlin, 1956.
 ——— and WERNER, A., *Festschrift Möckern I*, Deutscher Bauernverlag, Berlin, 1953.
 RITZMAN, E. G. and BENEDICT, F. G., *Nutritional physiology of the adult ruminant*, Carn. Inst., Washington, 1938.
 THORBEK, G. and HUTCHINSON, J. C. D., *Beretning fra Forsøgslab. København 171*, 1936.

TABLE 12. Data from the experiments and the requirements of metabolizable energy for maintenance at 500 kg. body weight ($M_{m,500}$) of the animals

| Exp. nr. | Animal | Weight (kg) | Feed (kcal) | Faeces (kcal) | Digested (kcal) | Urine (kcal) | Methane (kcal) | Metabol. energy (kcal) | Milk (kcal) | Heat exp. (kcal) | Energy balance (kcal) A | C-bal. (g) | N-bal. $\times 6.25$ (g) | Energy bal. CN-method (kcal) B | $\frac{1}{2}A + \frac{1}{2}B$ | B-A | Days before calving | $M_{m,500}$ | |
|----------|-------------|-------------|-------------|---------------|-----------------|--------------|----------------|------------------------|-------------|------------------|-------------------------|------------|--------------------------|--------------------------------|-------------------------------|-------|---------------------|------------------------|--|
| | | | | | | | | | | | | | | | | | | $p=0.8$ $c=1.43(-)$ | $p=0.8$ $c=1.67(-)$ $c=1.61(+)$ $c=2.00(+)$ |
| R 1 I | Witschoff | 496 | 36 850 | 9 740 | 27 111 | 1 654 | 3 033 | 22 424 | 6 161 | 15 590 | + 673 | + 96 | - 84 | + 1 250 | + 961 | 577 | 225 | 11.71 | |
| R 1 II | " | 485 | 36 850 | 9 366 | 27 484 | 1 661 | 3 081 | 22 742 | 5 885 | 15 406 | + 1 451 | + 137 | - 33 | + 1 723 | + 1 587 | 272 | | 11.64 | |
| R 1 I | Zwartschoff | 606 | 39 057 | 10 854 | 28 203 | 1 821 | 2 920 | 23 462 | 4 230 | 18 308 | + 924 | + 150 | - 15 | + 1 865 | + 1 394 | 941 | 92 | 12.75 | |
| R 1 II | " | 594 | 39 304 | 10 615 | 28 690 | 1 706 | 2 920 | 24 063 | 3 960 | 17 697 | + 2 406 | + 254 | + 78 | + 3 083 | + 2 744 | 677 | | 11.94 | |
| R 2 I | Annie 7 | 637 | 33 327 | 10 284 | 23 043 | 1 577 | 2 684 | 18 782 | | 21 618 | - 2 836 | - 189 | + 25 | - 2 358 | - 2 597 | 478 | 55 | 18.54 | |
| R 2 II | " 7 | 616 | 33 306 | 10 530 | 22 776 | 1 558 | 2 646 | 18 572 | | 20 295 | - 1 723 | - 114 | + 33 | - 1 431 | - 1 577 | 292 | | 17.62 | |
| R 3 | " 7 | 659 | 37 758 | 10 783 | 26 975 | 1 653 | 3 175 | 22 147 | | 19 829 | + 2 318 | + 220 | + 150 | + 2 616 | + 2 467 | 298 | 34 | 14.57 | |
| R 2 I | Alie 1 | 602 | 31 477 | 9 653 | 21 824 | 1 494 | 2 552 | 17 778 | | 20 246 | - 2 468 | - 151 | + 1 | - 1 871 | - 2 170 | 597 | 39 | 18.00 | |
| R 2 II | " 1 | 609 | 31 469 | 9 451 | 22 017 | 1 522 | 2 646 | 17 849 | | 20 638 | - 2 789 | - 177 | + 35 | - 2 213 | - 2 501 | 576 | | 18.30 | |
| R 3 | " 1 | 624 | 35 844 | 10 471 | 25 373 | 1 564 | 2 882 | 20 927 | | 21 212 | - 285 | + 23 | + 211 | + 131 | - 77 | 416 | 18 | 17.63 | |
| R 10 I | " 1 | 570 | 25 175 | 7 315 | 17 861 | 1 311 | 2 241 | 14 309 | | 14 380 | - 71 | + 5 | + 18 | + 50 | - 11 | 121 | 77 | 12.90 | 12.91 |
| R 10 II | " 1 | 565 | 25 175 | 7 326 | 17 850 | 1 320 | 2 175 | 14 354 | | 14 121 | + 233 | + 39 | + 24 | + 462 | + 348 | 229 | | 12.51 | 12.38 |
| R 4 I | Clara | 561 | 31 413 | 8 142 | 23 271 | 1 193 | 2 769 | 19 310 | | 17 360 | + 1 950 | + 182 | + 128 | + 2 160 | + 2 055 | 210 | 58 | 14.58 | 13.85 |
| R 4 II | " | 557 | 31 392 | 8 134 | 23 259 | 1 240 | 2 821 | 19 197 | | 17 107 | + 2 090 | + 212 | + 127 | + 2 528 | + 2 309 | 438 | | 14.20 | 13.37 |
| R 4 I | Klaske | 562 | 31 425 | 8 760 | 22 665 | 1 244 | 2 679 | 18 742 | | 16 587 | + 2 155 | + 200 | + 112 | + 2 396 | + 2 275 | 241 | 52 | 13.73 | 12.92 |
| R 8 | " | 536 | 21 921 | 5 723 | 16 198 | 1 818 | 1 715 | 12 664 | | 13 986 | - 1 321 | - 97 | - 141 | - 1 092 | - 1 207 | 229 | - | 13.61 | |
| R 5 I | Zwartkop 2 | 541 | 31 299 | 8 420 | 22 879 | 1 390 | 2 613 | 18 876 | | 16 364 | + 2 512 | + 266 | + 112 | + 3 205 | + 2 839 | 693 | 65 | 13.41 | 12.36 |
| R 5 II | " 2 | 548 | 31 299 | 8 876 | 22 423 | 1 319 | 2 570 | 18 534 | | 15 814 | + 2 720 | + 275 | + 100 | + 3 332 | + 3 026 | 611 | | 12.69 | 11.60 |
| R 6 | " 2 | 590 | 37 312 | 10 944 | 26 368 | 1 536 | 2 927 | 21 906 | | 19 496 | + 2 410 | + 308 | + 189 | + 3 671 | + 3 040 | 1 261 | 14 | 14.91 | |
| R 5 I | Coba 6 | 511 | 30 008 | 7 945 | 22 063 | 1 345 | 2 604 | 18 114 | | 15 176 | + 2 939 | + 296 | + 45 | + 3 636 | + 3 287 | 697 | 69 | 12.59 | 11.33 |
| R 5 II | " 6 | 511 | 30 008 | 7 892 | 22 115 | 1 311 | 2 627 | 18 177 | | 15 380 | + 2 796 | + 274 | + 64 | + 3 344 | + 3 070 | 548 | | 13.01 | 11.84 |
| R 6 | " 6 | 551 | 35 639 | 10 072 | 25 567 | 1 504 | 2 851 | 21 212 | | 18 536 | + 2 676 | + 351 | + 162 | + 4 222 | + 3 449 | 1 545 | 18 | 14.50 | |
| R 7 I | Eke 42 | 446 | 22 504 | 6 265 | 16 239 | 1 250 | 1 970 | 13 018 | | 12 130 | + 889 | + 97 | - 28 | + 1 216 | + 1 052 | 327 | 69 | 12.42 | 11.97 |
| R 7 II | " 42 | 448 | 22 504 | 6 377 | 16 127 | 1 222 | 2 074 | 12 831 | | 12 136 | + 695 | + 85 | - 24 | + 1 071 | + 883 | 376 | | 12.46 | 12.09 |
| R 7 III | " 42 | 453 | 21 827 | 6 052 | 15 775 | 1 218 | 1 980 | 12 577 | | 12 197 | + 380 | + 63 | - 16 | + 795 | + 588 | 415 | | 12.60 | |
| R 9 | " 42 | 486 | 24 237 | 7 658 | 16 578 | 1 333 | 2 001 | 13 245 | | 14 232 | - 987 | - 62 | + 45 | - 795 | - 891 | 192 | 11 | 14.85 | |
| R 7 I | Jansje | 490 | 23 548 | 6 607 | 16 941 | 1 284 | 2 027 | 13 630 | | 12 813 | + 818 | + 99 | + 21 | + 1 213 | + 1 016 | 396 | 75 | 12.18 | 11.78 |
| R 7 II | " | 493 | 23 548 | 922 | 16 627 | 1 253 | 2 046 | 13 328 | | 13 334 | - 6 | + 35 | + 22 | + 416 | + 205 | 421 | | 13.15 | 13.07 |
| R 7 III | " | 493 | 22 839 | 7 086 | 15 753 | 1 155 | 1 928 | 12 670 | | 12 872 | - 202 | - 7 | + 35 | + 66 | - 68 | 268 | | 12.91 | |
| R 9 | " | 505 | 25 197 | 7 768 | 17 429 | 1 428 | 2 016 | 13 985 | | 14 631 | - 646 | - 22 | + 73 | - 331 | - 488 | 314 | 17 | 14.57 | |
| R 8 | Lamkje | 494 | 19 716 | 4 937 | 14 779 | 1 556 | 1 616 | 11 607 | | 13 669 | - 2 062 | - 173 | - 85 | - 2 083 | - 2 072 | - 21 | 44 | 14.72 | |
| R 8 | Roosje | 505 | 20 614 | 5 364 | 15 250 | 1 647 | 1 479 | 12 124 | | 13 218 | - 1 094 | - 74 | - 56 | - 875 | - 985 | 220 | 78 | 13.41 | |
| R 10 I | Klaasje 3 | 530 | 24 227 | 6 586 | 17 641 | 1 297 | 2 128 | 14 216 | | 12 642 | + 1 574 | + 134 | + 19 | + 1 644 | + 1 609 | 70 | 95 | 11.10 | 10.49 |
| R 10 II | " 3 | 539 | 24 227 | 6 921 | 17 306 | 1 292 | 2 046 | 13 967 | | 12 440 | + 1 528 | + 124 | + 31 | + 1 511 | + 1 519 | - 17 | | 10.85 | 10.30 |
| R 12 I | Kee 2 | 606 | 26 238 | 8 085 | 18 154 | 1 377 | 2 166 | 14 610 | | 14 955 | - 344 | - 20 | + 12 | - 262 | - 303 | 82 | 62 | 12.89 | 12.95 |
| R 12 II | " 2 | 603 | 26 238 | 7 973 | 18 266 | 1 318 | 2 334 | 14 613 | | 15 161 | - 548 | - 51 | + 26 | - 656 | - 602 | - 108 | | 13.32 | 13.44 |
| R 12 I | Alke | 533 | 23 866 | 7 511 | 16 355 | 1 162 | 1 876 | 13 317 | | 14 650 | - 1 332 | - 97 | + 38 | - 1 230 | - 1 281 | 103 | 57 | 14.41 | 14.69 |
| R 12 II | " | 534 | 23 866 | 7 228 | 16 638 | 1 186 | 2 001 | 13 452 | | 14 106 | - 655 | - 38 | + 38 | - 494 | - 575 | 161 | | 13.54 | 13.67 |
| R 13 I | Betsy | 521 | 24 159 | 7 550 | 16 610 | 1 215 | 1 987 | 13 408 | | 14 432 | - 1 024 | - 76 | - 21 | - 961 | - 993 | 63 | 90 | 14.36 | 14.58 |
| R 13 II | " | 525 | 24 159 | 7 605 | 16 554 | 1 247 | 1 890 | 13 417 | | 14 268 | - 851 | - 48 | + 0 | - 596 | - 723 | 256 | | 13.90 | 14.06 |
| R 14 | " | 556 | 28 020 | 9 262 | 18 758 | 1 528 | 2 077 | 15 153 | | 17 434 | - 2 282 | - 158 | + 45 | - 1 994 | - 2 138 | 288 | 39 | 16.73 | |
| R 13 I | R. Willy | 624 | 27 103 | 8 541 | 18 562 | 1 210 | 2 202 | 15 151 | | 15 580 | - 430 | - 11 | + 55 | - 181 | - 305 | 249 | 81 | 13.06 | 13.13 |
| R 13 II | " | 626 | 27 103 | 8 570 | 18 533 | 1 218 | 2 138 | 15 178 | | 16 540 | - 1 363 | - 85 | + 79 | - 1 110 | - 1 236 | 252 | | 14.17 | 14.42 |
| R 14 | " | 651 | 30 644 | 10 440 | 20 204 | 1 480 | 2 302 | 16 422 | | 17 604 | - 1 182 | - 60 | + 119 | - 832 | - 1 007 | 350 | 30 | 14.47 | |