

**BROILER**  
**Performance**  
**Objectives**

June 2007



**ROSS**

## Introduction

This booklet contains the performance objectives for **Ross 308** Broiler and is to be used with the Ross Broiler Management Manual.

## Performance

These objectives indicate the performance achievable under good management and environmental conditions and when feeding nutrient levels described in the **Ross 308** Broiler Nutrition Specification. Many customers already exceed the performance objectives described here and they indicate the performance of the top 25% flocks worldwide.

Producers may find that local factors prevent such performance being achieved. For example:

- The availability of raw materials may limit nutrient content and intake.
- Extreme climatic conditions will reduce performance.
- Economic considerations may limit choice of production systems.

Therefore average performance may be 10 to 20% lower.

The objectives are presented in two sections to reflect the global nature of the publication. **Section g** contains the performance data in metric measurement and **Section lb** contains imperial measurements.

In the tables values are rounded, this may result in small inaccuracies when using the objectives to calculate other performance statistics.

Yields will vary between processing plants depending on type of equipment used and the exact portion being produced.

For further information on the management of Ross stock, please contact your local Technical Service Manager or the Technical Service Department.

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### Key Management Points

The **Ross 308** is a robust, fast growing, feed efficient broiler with good meat yield. It is designed to satisfy the demands of customers who require consistency of performance and the versatility to meet a broad range of end product requirements. Cost effective production of chicken meat depends on achieving good bird performance and the following points are important to achieve optimum performance of the **Ross 308** broiler:

- Maximise chick quality by good management of hatching, storage and transport conditions.
- Design the brooding set-up to ensure easy access to water and feed at placement and to ease the transition between supplementary systems and the automated feeders and drinkers at 4-5 days. Feed a highly digestible, high quality Starter diet.
- Keep chicks in their thermal comfort zone by monitoring chick behaviour, but beware of low relative humidities (less than 50% RH). Establish a minimum ventilation programme from day one.
- Monitor crop fill, feeding and drinking behaviour and 7 day liveweight to allow continuous improvement of the brooding set-up.
- Keep birds in their thermal comfort zone throughout the growing period. Fast growing broilers produce large amounts of heat, particularly in the second half of the growout period. Keeping ambient temperatures less than 21°C (69.8°F) from 21 days onwards may improve growth rates.
- Maintain high standards of biosecurity and cleanliness to keep disease to a minimum.

## Contents (g)

06-07    **Section** *g*    **As-Hatched Performance**

08-09    **Section** *g*    **Male Performance**

10-11    **Section** *g*    **Female Performance**

## As-Hatched Performance

| Day | Bodyweight (g) | Daily gain (g) | Av. daily gain/week (g) | Daily intake (g) | Cum. intake (g) | FCR   |
|-----|----------------|----------------|-------------------------|------------------|-----------------|-------|
| 0   | 42             |                |                         |                  |                 |       |
| 1   | 57             | 15             |                         |                  |                 |       |
| 2   | 72             | 15             |                         |                  |                 |       |
| 3   | 89             | 17             |                         |                  |                 |       |
| 4   | 109            | 20             |                         |                  |                 |       |
| 5   | 131            | 22             |                         |                  |                 |       |
| 6   | 155            | 24             |                         |                  |                 |       |
| 7   | 182            | 27             | 20.00                   |                  | 161             | 0.885 |
| 8   | 212            | 30             |                         | 38               | 199             | 0.939 |
| 9   | 246            | 34             |                         | 42               | 241             | 0.980 |
| 10  | 281            | 35             |                         | 47               | 288             | 1.025 |
| 11  | 320            | 39             |                         | 51               | 339             | 1.059 |
| 12  | 362            | 42             |                         | 57               | 396             | 1.094 |
| 13  | 407            | 45             |                         | 61               | 457             | 1.123 |
| 14  | 455            | 48             | 39.00                   | 66               | 523             | 1.149 |
| 15  | 506            | 51             |                         | 73               | 596             | 1.178 |
| 16  | 561            | 55             |                         | 78               | 674             | 1.201 |
| 17  | 618            | 57             |                         | 83               | 757             | 1.225 |
| 18  | 678            | 60             |                         | 89               | 846             | 1.248 |
| 19  | 741            | 63             |                         | 95               | 941             | 1.270 |
| 20  | 806            | 65             |                         | 101              | 1042            | 1.293 |
| 21  | 874            | 68             | 59.86                   | 107              | 1149            | 1.315 |
| 22  | 944            | 70             |                         | 114              | 1263            | 1.338 |
| 23  | 1017           | 73             |                         | 119              | 1382            | 1.359 |
| 24  | 1093           | 76             |                         | 125              | 1507            | 1.379 |
| 25  | 1170           | 77             |                         | 131              | 1638            | 1.400 |
| 26  | 1249           | 79             |                         | 136              | 1774            | 1.420 |
| 27  | 1329           | 80             |                         | 143              | 1917            | 1.442 |
| 28  | 1412           | 83             | 76.86                   | 148              | 2065            | 1.462 |
| 29  | 1496           | 84             |                         | 154              | 2219            | 1.483 |
| 30  | 1581           | 85             |                         | 159              | 2378            | 1.504 |
| 31  | 1667           | 86             |                         | 164              | 2542            | 1.525 |
| 32  | 1754           | 87             |                         | 170              | 2712            | 1.546 |
| 33  | 1843           | 89             |                         | 174              | 2886            | 1.566 |
| 34  | 1932           | 89             |                         | 179              | 3065            | 1.586 |
| 35  | 2021           | 89             | 87.00                   | 183              | 3248            | 1.607 |

## As-Hatched Performance continued

| Day | Bodyweight (g) | Daily gain (g) | Av. daily gain/week (g) | Daily intake (g) | Cum. intake (g) | FCR   |
|-----|----------------|----------------|-------------------------|------------------|-----------------|-------|
| 36  | 2111           | 90             |                         | 188              | 3436            | 1.628 |
| 37  | 2201           | 90             |                         | 192              | 3628            | 1.648 |
| 38  | 2291           | 90             |                         | 196              | 3824            | 1.669 |
| 39  | 2382           | 91             |                         | 200              | 4024            | 1.689 |
| 40  | 2472           | 90             |                         | 203              | 4227            | 1.710 |
| 41  | 2562           | 90             |                         | 207              | 4434            | 1.731 |
| 42  | 2652           | 90             | 90.14                   | 210              | 4644            | 1.751 |
| 43  | 2741           | 89             |                         | 213              | 4857            | 1.772 |
| 44  | 2830           | 89             |                         | 215              | 5072            | 1.792 |
| 45  | 2919           | 89             |                         | 218              | 5290            | 1.812 |
| 46  | 3006           | 87             |                         | 221              | 5511            | 1.833 |
| 47  | 3093           | 87             |                         | 223              | 5734            | 1.854 |
| 48  | 3179           | 86             |                         | 224              | 5958            | 1.874 |
| 49  | 3264           | 85             | 87.43                   | 227              | 6185            | 1.895 |
| 50  | 3348           | 84             |                         | 228              | 6413            | 1.915 |
| 51  | 3431           | 83             |                         | 229              | 6642            | 1.936 |
| 52  | 3512           | 81             |                         | 230              | 6872            | 1.957 |
| 53  | 3593           | 81             |                         | 232              | 7104            | 1.977 |
| 54  | 3672           | 79             |                         | 233              | 7337            | 1.998 |
| 55  | 3751           | 79             |                         | 234              | 7571            | 2.018 |
| 56  | 3828           | 77             | 80.57                   | 234              | 7805            | 2.039 |
| 57  | 3904           | 76             |                         | 235              | 8040            | 2.059 |
| 58  | 3978           | 74             |                         | 235              | 8275            | 2.080 |
| 59  | 4051           | 73             |                         | 236              | 8511            | 2.101 |
| 60  | 4123           | 72             |                         | 236              | 8747            | 2.122 |
| 61  | 4193           | 70             |                         | 236              | 8983            | 2.142 |
| 62  | 4262           | 69             |                         | 236              | 9219            | 2.163 |
| 63  | 4330           | 68             | 71.71                   | 235              | 9454            | 2.183 |
| 64  | 4396           | 66             |                         | 235              | 9689            | 2.204 |
| 65  | 4461           | 65             |                         | 235              | 9924            | 2.225 |
| 66  | 4524           | 63             |                         | 234              | 10158           | 2.245 |
| 67  | 4586           | 62             |                         | 234              | 10392           | 2.266 |
| 68  | 4647           | 61             |                         | 233              | 10625           | 2.286 |
| 69  | 4706           | 59             |                         | 232              | 10857           | 2.307 |
| 70  | 4764           | 58             | 62.00                   | 232              | 11089           | 2.328 |

### NOTE

*In the table values are rounded, this may result in small inaccuracies when using the objectives to calculate other performance statistics.*

## Male Performance

| Day | Bodyweight (g) | Daily gain (g) | Av. daily gain/week (g) | Daily intake (g) | Cum. intake (g) | FCR   |
|-----|----------------|----------------|-------------------------|------------------|-----------------|-------|
| 0   | 42             |                |                         |                  |                 |       |
| 1   | 56             | 14             |                         |                  |                 |       |
| 2   | 71             | 15             |                         |                  |                 |       |
| 3   | 89             | 18             |                         |                  |                 |       |
| 4   | 109            | 20             |                         |                  |                 |       |
| 5   | 131            | 22             |                         |                  |                 |       |
| 6   | 156            | 25             |                         |                  |                 |       |
| 7   | 184            | 28             | 20.29                   |                  | 162             | 0.880 |
| 8   | 215            | 31             |                         | 39               | 201             | 0.935 |
| 9   | 250            | 35             |                         | 44               | 245             | 0.980 |
| 10  | 287            | 37             |                         | 49               | 294             | 1.024 |
| 11  | 328            | 41             |                         | 54               | 348             | 1.061 |
| 12  | 372            | 44             |                         | 60               | 408             | 1.097 |
| 13  | 420            | 48             |                         | 64               | 472             | 1.124 |
| 14  | 471            | 51             | 41.00                   | 70               | 542             | 1.151 |
| 15  | 525            | 54             |                         | 77               | 619             | 1.179 |
| 16  | 583            | 58             |                         | 82               | 701             | 1.202 |
| 17  | 644            | 61             |                         | 88               | 789             | 1.225 |
| 18  | 708            | 64             |                         | 94               | 883             | 1.247 |
| 19  | 776            | 68             |                         | 100              | 983             | 1.267 |
| 20  | 846            | 70             |                         | 107              | 1090            | 1.288 |
| 21  | 920            | 74             | 64.14                   | 113              | 1203            | 1.308 |
| 22  | 996            | 76             |                         | 120              | 1323            | 1.328 |
| 23  | 1075           | 79             |                         | 126              | 1449            | 1.348 |
| 24  | 1157           | 82             |                         | 132              | 1581            | 1.366 |
| 25  | 1241           | 84             |                         | 138              | 1719            | 1.385 |
| 26  | 1327           | 86             |                         | 144              | 1863            | 1.404 |
| 27  | 1415           | 88             |                         | 150              | 2013            | 1.423 |
| 28  | 1505           | 90             | 83.57                   | 157              | 2170            | 1.442 |
| 29  | 1597           | 92             |                         | 162              | 2332            | 1.460 |
| 30  | 1690           | 93             |                         | 167              | 2499            | 1.479 |
| 31  | 1785           | 95             |                         | 173              | 2672            | 1.497 |
| 32  | 1880           | 95             |                         | 179              | 2851            | 1.516 |
| 33  | 1977           | 97             |                         | 183              | 3034            | 1.535 |
| 34  | 2075           | 98             |                         | 188              | 3222            | 1.553 |
| 35  | 2173           | 98             | 95.43                   | 193              | 3415            | 1.572 |



## Male Performance continued

| Day | Bodyweight (g) | Daily gain (g) | Av. daily gain/week (g) | Daily intake (g) | Cum. intake (g) | FCR   |
|-----|----------------|----------------|-------------------------|------------------|-----------------|-------|
| 36  | 2272           | 99             |                         | 197              | 3612            | 1.590 |
| 37  | 2371           | 99             |                         | 202              | 3814            | 1.609 |
| 38  | 2470           | 99             |                         | 205              | 4019            | 1.627 |
| 39  | 2570           | 100            |                         | 209              | 4228            | 1.645 |
| 40  | 2669           | 99             |                         | 213              | 4441            | 1.664 |
| 41  | 2768           | 99             |                         | 216              | 4657            | 1.682 |
| 42  | 2867           | 99             | 99.14                   | 219              | 4876            | 1.701 |
| 43  | 2966           | 99             |                         | 222              | 5098            | 1.719 |
| 44  | 3064           | 98             |                         | 225              | 5323            | 1.737 |
| 45  | 3161           | 97             |                         | 227              | 5550            | 1.756 |
| 46  | 3258           | 97             |                         | 229              | 5779            | 1.774 |
| 47  | 3353           | 95             |                         | 232              | 6011            | 1.793 |
| 48  | 3448           | 95             |                         | 233              | 6244            | 1.811 |
| 49  | 3541           | 93             | 96.29                   | 235              | 6479            | 1.830 |
| 50  | 3634           | 93             |                         | 236              | 6715            | 1.848 |
| 51  | 3725           | 91             |                         | 237              | 6952            | 1.866 |
| 52  | 3815           | 90             |                         | 238              | 7190            | 1.885 |
| 53  | 3904           | 89             |                         | 240              | 7430            | 1.903 |
| 54  | 3991           | 87             |                         | 240              | 7670            | 1.922 |
| 55  | 4077           | 86             |                         | 240              | 7910            | 1.940 |
| 56  | 4162           | 85             | 88.71                   | 241              | 8151            | 1.958 |
| 57  | 4245           | 83             |                         | 241              | 8392            | 1.977 |
| 58  | 4327           | 82             |                         | 241              | 8633            | 1.995 |
| 59  | 4407           | 80             |                         | 242              | 8875            | 2.014 |
| 60  | 4485           | 78             |                         | 241              | 9116            | 2.033 |
| 61  | 4562           | 77             |                         | 241              | 9357            | 2.051 |
| 62  | 4638           | 76             |                         | 240              | 9597            | 2.069 |
| 63  | 4712           | 74             | 78.57                   | 240              | 9837            | 2.088 |
| 64  | 4784           | 72             |                         | 240              | 10077           | 2.106 |
| 65  | 4855           | 71             |                         | 239              | 10316           | 2.125 |
| 66  | 4925           | 70             |                         | 238              | 10554           | 2.143 |
| 67  | 4992           | 67             |                         | 237              | 10791           | 2.162 |
| 68  | 5058           | 66             |                         | 237              | 11028           | 2.180 |
| 69  | 5123           | 65             |                         | 235              | 11263           | 2.199 |
| 70  | 5186           | 63             | 67.71                   | 235              | 11498           | 2.217 |

### NOTE

*In the table values are rounded, this may result in small inaccuracies when using the objectives to calculate other performance statistics.*

## Female Performance

| Day | Bodyweight (g) | Daily gain (g) | Av. daily gain/week (g) | Daily intake (g) | Cum. intake (g) | FCR   |
|-----|----------------|----------------|-------------------------|------------------|-----------------|-------|
| 0   | 42             |                |                         |                  |                 |       |
| 1   | 57             | 15             |                         |                  |                 |       |
| 2   | 72             | 15             |                         |                  |                 |       |
| 3   | 89             | 17             |                         |                  |                 |       |
| 4   | 108            | 19             |                         |                  |                 |       |
| 5   | 130            | 22             |                         |                  |                 |       |
| 6   | 154            | 24             |                         |                  |                 |       |
| 7   | 180            | 26             | 19.71                   |                  | 160             | 0.889 |
| 8   | 209            | 29             |                         | 36               | 196             | 0.938 |
| 9   | 241            | 32             |                         | 40               | 236             | 0.979 |
| 10  | 275            | 34             |                         | 45               | 281             | 1.022 |
| 11  | 312            | 37             |                         | 49               | 330             | 1.058 |
| 12  | 352            | 40             |                         | 53               | 383             | 1.088 |
| 13  | 394            | 42             |                         | 58               | 441             | 1.119 |
| 14  | 439            | 45             | 37.00                   | 63               | 504             | 1.148 |
| 15  | 487            | 48             |                         | 69               | 573             | 1.177 |
| 16  | 538            | 51             |                         | 73               | 646             | 1.201 |
| 17  | 591            | 53             |                         | 79               | 725             | 1.227 |
| 18  | 647            | 56             |                         | 84               | 809             | 1.250 |
| 19  | 705            | 58             |                         | 90               | 899             | 1.275 |
| 20  | 765            | 60             |                         | 95               | 994             | 1.299 |
| 21  | 828            | 63             | 55.57                   | 101              | 1095            | 1.322 |
| 22  | 892            | 64             |                         | 107              | 1202            | 1.348 |
| 23  | 959            | 67             |                         | 112              | 1314            | 1.370 |
| 24  | 1028           | 69             |                         | 118              | 1432            | 1.393 |
| 25  | 1098           | 70             |                         | 124              | 1556            | 1.417 |
| 26  | 1170           | 72             |                         | 129              | 1685            | 1.440 |
| 27  | 1243           | 73             |                         | 135              | 1820            | 1.464 |
| 28  | 1318           | 75             | 70.00                   | 140              | 1960            | 1.487 |
| 29  | 1394           | 76             |                         | 145              | 2105            | 1.510 |
| 30  | 1471           | 77             |                         | 151              | 2256            | 1.534 |
| 31  | 1549           | 78             |                         | 155              | 2411            | 1.556 |
| 32  | 1628           | 79             |                         | 161              | 2572            | 1.580 |
| 33  | 1708           | 80             |                         | 165              | 2737            | 1.602 |
| 34  | 1788           | 80             |                         | 170              | 2907            | 1.626 |
| 35  | 1869           | 81             | 78.71                   | 174              | 3081            | 1.648 |

## Female Performance continued

| Day | Bodyweight (g) | Daily gain (g) | Av. daily gain/week (g) | Daily intake (g) | Cum. intake (g) | FCR   |
|-----|----------------|----------------|-------------------------|------------------|-----------------|-------|
| 36  | 1950           | 81             |                         | 179              | 3260            | 1.672 |
| 37  | 2031           | 81             |                         | 182              | 3442            | 1.695 |
| 38  | 2112           | 81             |                         | 187              | 3629            | 1.718 |
| 39  | 2193           | 81             |                         | 190              | 3819            | 1.741 |
| 40  | 2274           | 81             |                         | 194              | 4013            | 1.765 |
| 41  | 2355           | 81             |                         | 198              | 4211            | 1.788 |
| 42  | 2436           | 81             | 81.00                   | 200              | 4411            | 1.811 |
| 43  | 2516           | 80             |                         | 204              | 4615            | 1.834 |
| 44  | 2596           | 80             |                         | 206              | 4821            | 1.857 |
| 45  | 2676           | 80             |                         | 209              | 5030            | 1.880 |
| 46  | 2754           | 78             |                         | 212              | 5242            | 1.903 |
| 47  | 2832           | 78             |                         | 214              | 5456            | 1.927 |
| 48  | 2909           | 77             |                         | 216              | 5672            | 1.950 |
| 49  | 2986           | 77             | 78.57                   | 218              | 5890            | 1.973 |
| 50  | 3061           | 75             |                         | 220              | 6110            | 1.996 |
| 51  | 3136           | 75             |                         | 221              | 6331            | 2.019 |
| 52  | 3209           | 73             |                         | 223              | 6554            | 2.042 |
| 53  | 3282           | 73             |                         | 225              | 6779            | 2.066 |
| 54  | 3353           | 71             |                         | 225              | 7004            | 2.089 |
| 55  | 3424           | 71             |                         | 227              | 7231            | 2.112 |
| 56  | 3493           | 69             | 72.43                   | 228              | 7459            | 2.135 |
| 57  | 3562           | 69             |                         | 228              | 7687            | 2.158 |
| 58  | 3629           | 67             |                         | 229              | 7916            | 2.181 |
| 59  | 3695           | 66             |                         | 230              | 8146            | 2.205 |
| 60  | 3760           | 65             |                         | 230              | 8376            | 2.228 |
| 61  | 3823           | 63             |                         | 230              | 8606            | 2.251 |
| 62  | 3886           | 63             |                         | 231              | 8837            | 2.274 |
| 63  | 3947           | 61             | 64.86                   | 231              | 9068            | 2.297 |
| 64  | 4007           | 60             |                         | 231              | 9299            | 2.321 |
| 65  | 4066           | 59             |                         | 230              | 9529            | 2.344 |
| 66  | 4123           | 57             |                         | 230              | 9759            | 2.367 |
| 67  | 4179           | 56             |                         | 230              | 9989            | 2.390 |
| 68  | 4235           | 56             |                         | 230              | 10219           | 2.413 |
| 69  | 4289           | 54             |                         | 230              | 10449           | 2.436 |
| 70  | 4341           | 52             | 56.29                   | 230              | 10679           | 2.460 |

### NOTE

*In the table values are rounded, this may result in small inaccuracies when using the objectives to calculate other performance statistics.*



## Contents

14-15    **Section**     **As-Hatched Performance**

16-17    **Section**     **Male Performance**

18-19    **Section**     **Female Performance**

## As-Hatched Performance

| Day | Bodyweight (lb) | Daily gain (lb) | Av. daily gain/week (lb) | Daily intake (lb) | Cum. intake (lb) | FCR   |
|-----|-----------------|-----------------|--------------------------|-------------------|------------------|-------|
| 0   | 0.093           |                 |                          |                   |                  |       |
| 1   | 0.125           | 0.032           |                          |                   |                  |       |
| 2   | 0.158           | 0.033           |                          |                   |                  |       |
| 3   | 0.196           | 0.038           |                          |                   |                  |       |
| 4   | 0.239           | 0.043           |                          |                   |                  |       |
| 5   | 0.288           | 0.049           |                          |                   |                  |       |
| 6   | 0.342           | 0.054           |                          |                   |                  |       |
| 7   | 0.402           | 0.060           | 0.044                    |                   | 0.355            | 0.883 |
| 8   | 0.468           | 0.066           |                          | 0.083             | 0.438            | 0.936 |
| 9   | 0.541           | 0.073           |                          | 0.092             | 0.530            | 0.980 |
| 10  | 0.620           | 0.079           |                          | 0.104             | 0.634            | 1.023 |
| 11  | 0.706           | 0.086           |                          | 0.114             | 0.748            | 1.059 |
| 12  | 0.798           | 0.092           |                          | 0.124             | 0.872            | 1.093 |
| 13  | 0.898           | 0.100           |                          | 0.135             | 1.007            | 1.121 |
| 14  | 1.003           | 0.105           | 0.086                    | 0.146             | 1.153            | 1.150 |
| 15  | 1.116           | 0.113           |                          | 0.161             | 1.314            | 1.177 |
| 16  | 1.236           | 0.120           |                          | 0.171             | 1.485            | 1.201 |
| 17  | 1.362           | 0.126           |                          | 0.184             | 1.669            | 1.225 |
| 18  | 1.494           | 0.132           |                          | 0.197             | 1.866            | 1.249 |
| 19  | 1.633           | 0.139           |                          | 0.209             | 2.075            | 1.271 |
| 20  | 1.776           | 0.143           |                          | 0.222             | 2.297            | 1.293 |
| 21  | 1.927           | 0.151           | 0.132                    | 0.236             | 2.533            | 1.314 |
| 22  | 2.082           | 0.155           |                          | 0.251             | 2.784            | 1.337 |
| 23  | 2.242           | 0.160           |                          | 0.262             | 3.046            | 1.359 |
| 24  | 2.409           | 0.167           |                          | 0.275             | 3.321            | 1.379 |
| 25  | 2.579           | 0.170           |                          | 0.289             | 3.610            | 1.400 |
| 26  | 2.753           | 0.174           |                          | 0.301             | 3.911            | 1.421 |
| 27  | 2.930           | 0.177           |                          | 0.314             | 4.225            | 1.442 |
| 28  | 3.112           | 0.182           | 0.169                    | 0.328             | 4.553            | 1.463 |
| 29  | 3.297           | 0.185           |                          | 0.338             | 4.891            | 1.483 |
| 30  | 3.485           | 0.188           |                          | 0.351             | 5.242            | 1.504 |
| 31  | 3.675           | 0.190           |                          | 0.361             | 5.603            | 1.525 |
| 32  | 3.867           | 0.192           |                          | 0.375             | 5.978            | 1.546 |
| 33  | 4.062           | 0.195           |                          | 0.384             | 6.362            | 1.566 |
| 34  | 4.259           | 0.197           |                          | 0.394             | 6.756            | 1.586 |
| 35  | 4.456           | 0.197           | 0.192                    | 0.405             | 7.161            | 1.607 |

## As-Hatched Performance continued

| Day | Bodyweight (lb) | Daily gain (lb) | Av. daily gain/week (lb) | Daily intake (lb) | Cum. intake (lb) | FCR   |
|-----|-----------------|-----------------|--------------------------|-------------------|------------------|-------|
| 36  | 4.654           | 0.198           |                          | 0.414             | 7.575            | 1.628 |
| 37  | 4.852           | 0.198           |                          | 0.423             | 7.998            | 1.648 |
| 38  | 5.051           | 0.199           |                          | 0.432             | 8.430            | 1.669 |
| 39  | 5.251           | 0.200           |                          | 0.440             | 8.870            | 1.689 |
| 40  | 5.450           | 0.199           |                          | 0.449             | 9.319            | 1.710 |
| 41  | 5.648           | 0.198           |                          | 0.457             | 9.776            | 1.731 |
| 42  | 5.846           | 0.198           | 0.199                    | 0.461             | 10.237           | 1.751 |
| 43  | 6.043           | 0.197           |                          | 0.470             | 10.707           | 1.772 |
| 44  | 6.239           | 0.196           |                          | 0.475             | 11.182           | 1.792 |
| 45  | 6.435           | 0.196           |                          | 0.481             | 11.663           | 1.812 |
| 46  | 6.627           | 0.192           |                          | 0.486             | 12.149           | 1.833 |
| 47  | 6.818           | 0.191           |                          | 0.491             | 12.640           | 1.854 |
| 48  | 7.007           | 0.189           |                          | 0.495             | 13.135           | 1.875 |
| 49  | 7.195           | 0.188           | 0.193                    | 0.500             | 13.635           | 1.895 |
| 50  | 7.380           | 0.185           |                          | 0.502             | 14.137           | 1.916 |
| 51  | 7.563           | 0.183           |                          | 0.505             | 14.642           | 1.936 |
| 52  | 7.743           | 0.180           |                          | 0.508             | 15.150           | 1.957 |
| 53  | 7.921           | 0.178           |                          | 0.512             | 15.662           | 1.977 |
| 54  | 8.096           | 0.175           |                          | 0.513             | 16.175           | 1.998 |
| 55  | 8.269           | 0.173           |                          | 0.515             | 16.690           | 2.018 |
| 56  | 8.439           | 0.170           | 0.178                    | 0.517             | 17.207           | 2.039 |
| 57  | 8.606           | 0.167           |                          | 0.517             | 17.724           | 2.059 |
| 58  | 8.770           | 0.164           |                          | 0.518             | 18.242           | 2.080 |
| 59  | 8.931           | 0.161           |                          | 0.521             | 18.763           | 2.101 |
| 60  | 9.089           | 0.158           |                          | 0.519             | 19.282           | 2.121 |
| 61  | 9.243           | 0.154           |                          | 0.519             | 19.801           | 2.142 |
| 62  | 9.396           | 0.153           |                          | 0.519             | 20.320           | 2.163 |
| 63  | 9.545           | 0.149           | 0.158                    | 0.519             | 20.839           | 2.183 |
| 64  | 9.691           | 0.146           |                          | 0.518             | 21.357           | 2.204 |
| 65  | 9.834           | 0.143           |                          | 0.518             | 21.875           | 2.225 |
| 66  | 9.974           | 0.140           |                          | 0.515             | 22.391           | 2.245 |
| 67  | 10.109          | 0.135           |                          | 0.515             | 22.906           | 2.266 |
| 68  | 10.244          | 0.135           |                          | 0.515             | 23.421           | 2.286 |
| 69  | 10.375          | 0.131           |                          | 0.513             | 23.934           | 2.307 |
| 70  | 10.502          | 0.127           | 0.137                    | 0.512             | 24.446           | 2.328 |

### NOTE

*In the table values are rounded, this may result in small inaccuracies when using the objectives to calculate other performance statistics.*

## Male Performance

| Day | Bodyweight (lb) | Daily gain (lb) | Av. daily gain/week (lb) | Daily intake (lb) | Cum. intake (lb) | FCR   |
|-----|-----------------|-----------------|--------------------------|-------------------|------------------|-------|
| 0   | 0.093           |                 |                          |                   |                  |       |
| 1   | 0.123           | 0.030           |                          |                   |                  |       |
| 2   | 0.157           | 0.034           |                          |                   |                  |       |
| 3   | 0.196           | 0.039           |                          |                   |                  |       |
| 4   | 0.240           | 0.044           |                          |                   |                  |       |
| 5   | 0.289           | 0.049           |                          |                   |                  |       |
| 6   | 0.344           | 0.055           |                          |                   |                  |       |
| 7   | 0.406           | 0.062           | 0.045                    |                   | 0.357            | 0.879 |
| 8   | 0.474           | 0.068           |                          | 0.086             | 0.443            | 0.935 |
| 9   | 0.551           | 0.077           |                          | 0.097             | 0.540            | 0.980 |
| 10  | 0.633           | 0.082           |                          | 0.108             | 0.648            | 1.024 |
| 11  | 0.723           | 0.090           |                          | 0.119             | 0.767            | 1.061 |
| 12  | 0.820           | 0.097           |                          | 0.132             | 0.899            | 1.096 |
| 13  | 0.926           | 0.106           |                          | 0.142             | 1.041            | 1.124 |
| 14  | 1.038           | 0.112           | 0.090                    | 0.154             | 1.195            | 1.151 |
| 15  | 1.157           | 0.119           |                          | 0.170             | 1.365            | 1.180 |
| 16  | 1.285           | 0.128           |                          | 0.180             | 1.545            | 1.202 |
| 17  | 1.420           | 0.135           |                          | 0.194             | 1.739            | 1.225 |
| 18  | 1.561           | 0.141           |                          | 0.208             | 1.947            | 1.247 |
| 19  | 1.711           | 0.150           |                          | 0.220             | 2.167            | 1.267 |
| 20  | 1.865           | 0.154           |                          | 0.236             | 2.403            | 1.288 |
| 21  | 2.028           | 0.163           | 0.141                    | 0.249             | 2.652            | 1.308 |
| 22  | 2.196           | 0.168           |                          | 0.265             | 2.917            | 1.328 |
| 23  | 2.370           | 0.174           |                          | 0.277             | 3.194            | 1.348 |
| 24  | 2.551           | 0.181           |                          | 0.291             | 3.485            | 1.366 |
| 25  | 2.736           | 0.185           |                          | 0.305             | 3.790            | 1.385 |
| 26  | 2.926           | 0.190           |                          | 0.317             | 4.107            | 1.404 |
| 27  | 3.120           | 0.194           |                          | 0.331             | 4.438            | 1.422 |
| 28  | 3.318           | 0.198           | 0.184                    | 0.346             | 4.784            | 1.442 |
| 29  | 3.521           | 0.203           |                          | 0.357             | 5.141            | 1.460 |
| 30  | 3.726           | 0.205           |                          | 0.368             | 5.509            | 1.479 |
| 31  | 3.935           | 0.209           |                          | 0.382             | 5.891            | 1.497 |
| 32  | 4.145           | 0.210           |                          | 0.394             | 6.285            | 1.516 |
| 33  | 4.358           | 0.213           |                          | 0.404             | 6.689            | 1.535 |
| 34  | 4.574           | 0.216           |                          | 0.414             | 7.103            | 1.553 |
| 35  | 4.791           | 0.217           | 0.210                    | 0.426             | 7.529            | 1.571 |



## Male Performance continued

| Day | Bodyweight (lb) | Daily gain (lb) | Av. daily gain/week (lb) | Daily intake (lb) | Cum. intake (lb) | FCR   |
|-----|-----------------|-----------------|--------------------------|-------------------|------------------|-------|
| 36  | 5.009           | 0.218           |                          | 0.434             | 7.963            | 1.590 |
| 37  | 5.227           | 0.218           |                          | 0.445             | 8.408            | 1.609 |
| 38  | 5.445           | 0.218           |                          | 0.452             | 8.860            | 1.627 |
| 39  | 5.665           | 0.220           |                          | 0.461             | 9.321            | 1.645 |
| 40  | 5.884           | 0.219           |                          | 0.470             | 9.791            | 1.664 |
| 41  | 6.102           | 0.218           |                          | 0.476             | 10.267           | 1.683 |
| 42  | 6.320           | 0.218           | 0.219                    | 0.483             | 10.750           | 1.701 |
| 43  | 6.538           | 0.218           |                          | 0.489             | 11.239           | 1.719 |
| 44  | 6.755           | 0.217           |                          | 0.496             | 11.735           | 1.737 |
| 45  | 6.969           | 0.214           |                          | 0.501             | 12.236           | 1.756 |
| 46  | 7.183           | 0.214           |                          | 0.504             | 12.740           | 1.774 |
| 47  | 7.392           | 0.209           |                          | 0.512             | 13.252           | 1.793 |
| 48  | 7.601           | 0.209           |                          | 0.514             | 13.766           | 1.811 |
| 49  | 7.807           | 0.206           | 0.212                    | 0.518             | 14.284           | 1.830 |
| 50  | 8.012           | 0.205           |                          | 0.520             | 14.804           | 1.848 |
| 51  | 8.212           | 0.200           |                          | 0.522             | 15.326           | 1.866 |
| 52  | 8.411           | 0.199           |                          | 0.525             | 15.851           | 1.885 |
| 53  | 8.607           | 0.196           |                          | 0.529             | 16.380           | 1.903 |
| 54  | 8.799           | 0.192           |                          | 0.529             | 16.909           | 1.922 |
| 55  | 8.988           | 0.189           |                          | 0.529             | 17.438           | 1.940 |
| 56  | 9.176           | 0.188           | 0.196                    | 0.531             | 17.969           | 1.958 |
| 57  | 9.359           | 0.183           |                          | 0.532             | 18.501           | 1.977 |
| 58  | 9.539           | 0.180           |                          | 0.532             | 19.033           | 1.995 |
| 59  | 9.716           | 0.177           |                          | 0.533             | 19.566           | 2.014 |
| 60  | 9.888           | 0.172           |                          | 0.531             | 20.097           | 2.032 |
| 61  | 10.057          | 0.169           |                          | 0.531             | 20.628           | 2.051 |
| 62  | 10.225          | 0.168           |                          | 0.530             | 21.158           | 2.069 |
| 63  | 10.388          | 0.163           | 0.173                    | 0.529             | 21.687           | 2.088 |
| 64  | 10.547          | 0.159           |                          | 0.529             | 22.216           | 2.106 |
| 65  | 10.703          | 0.156           |                          | 0.527             | 22.743           | 2.125 |
| 66  | 10.858          | 0.155           |                          | 0.524             | 23.267           | 2.143 |
| 67  | 11.005          | 0.147           |                          | 0.523             | 23.790           | 2.162 |
| 68  | 11.151          | 0.146           |                          | 0.522             | 24.312           | 2.180 |
| 69  | 11.294          | 0.143           |                          | 0.518             | 24.830           | 2.199 |
| 70  | 11.433          | 0.139           | 0.149                    | 0.518             | 25.348           | 2.217 |

### NOTE

*In the table values are rounded, this may result in small inaccuracies when using the objectives to calculate other performance statistics.*

## Female Performance

| Day | Bodyweight (lb) | Daily gain (lb) | Av. daily gain/week (lb) | Daily intake (lb) | Cum. intake (lb) | FCR   |
|-----|-----------------|-----------------|--------------------------|-------------------|------------------|-------|
| 0   | 0.093           |                 |                          |                   |                  |       |
| 1   | 0.126           | 0.033           |                          |                   |                  |       |
| 2   | 0.159           | 0.033           |                          |                   |                  |       |
| 3   | 0.196           | 0.037           |                          |                   |                  |       |
| 4   | 0.238           | 0.042           |                          |                   |                  |       |
| 5   | 0.287           | 0.049           |                          |                   |                  |       |
| 6   | 0.340           | 0.053           |                          |                   |                  |       |
| 7   | 0.397           | 0.057           | 0.043                    |                   | 0.353            | 0.889 |
| 8   | 0.461           | 0.064           |                          | 0.079             | 0.432            | 0.937 |
| 9   | 0.531           | 0.070           |                          | 0.088             | 0.520            | 0.979 |
| 10  | 0.606           | 0.075           |                          | 0.099             | 0.619            | 1.021 |
| 11  | 0.688           | 0.082           |                          | 0.109             | 0.728            | 1.058 |
| 12  | 0.776           | 0.088           |                          | 0.116             | 0.844            | 1.088 |
| 13  | 0.869           | 0.093           |                          | 0.128             | 0.972            | 1.119 |
| 14  | 0.968           | 0.099           | 0.082                    | 0.139             | 1.111            | 1.148 |
| 15  | 1.074           | 0.106           |                          | 0.152             | 1.263            | 1.176 |
| 16  | 1.186           | 0.112           |                          | 0.161             | 1.424            | 1.201 |
| 17  | 1.303           | 0.117           |                          | 0.174             | 1.598            | 1.226 |
| 18  | 1.426           | 0.123           |                          | 0.186             | 1.784            | 1.251 |
| 19  | 1.554           | 0.128           |                          | 0.198             | 1.982            | 1.275 |
| 20  | 1.687           | 0.133           |                          | 0.209             | 2.191            | 1.299 |
| 21  | 1.825           | 0.138           | 0.122                    | 0.223             | 2.414            | 1.323 |
| 22  | 1.967           | 0.142           |                          | 0.236             | 2.650            | 1.347 |
| 23  | 2.114           | 0.147           |                          | 0.247             | 2.897            | 1.370 |
| 24  | 2.266           | 0.152           |                          | 0.260             | 3.157            | 1.393 |
| 25  | 2.421           | 0.155           |                          | 0.273             | 3.430            | 1.417 |
| 26  | 2.579           | 0.158           |                          | 0.285             | 3.715            | 1.440 |
| 27  | 2.740           | 0.161           |                          | 0.297             | 4.012            | 1.464 |
| 28  | 2.906           | 0.166           | 0.154                    | 0.309             | 4.321            | 1.487 |
| 29  | 3.073           | 0.167           |                          | 0.320             | 4.641            | 1.510 |
| 30  | 3.243           | 0.170           |                          | 0.333             | 4.974            | 1.534 |
| 31  | 3.415           | 0.172           |                          | 0.341             | 5.315            | 1.556 |
| 32  | 3.589           | 0.174           |                          | 0.355             | 5.670            | 1.580 |
| 33  | 3.765           | 0.176           |                          | 0.364             | 6.034            | 1.603 |
| 34  | 3.942           | 0.177           |                          | 0.375             | 6.409            | 1.626 |
| 35  | 4.120           | 0.178           | 0.173                    | 0.383             | 6.792            | 1.649 |

## Female Performance continued

| Day | Bodyweight (lb) | Daily gain (lb) | Av. daily gain/week (lb) | Daily intake (lb) | Cum. intake (lb) | FCR   |
|-----|-----------------|-----------------|--------------------------|-------------------|------------------|-------|
| 36  | 4.299           | 0.179           |                          | 0.395             | 7.187            | 1.672 |
| 37  | 4.478           | 0.179           |                          | 0.401             | 7.588            | 1.695 |
| 38  | 4.657           | 0.179           |                          | 0.412             | 8.000            | 1.718 |
| 39  | 4.835           | 0.178           |                          | 0.419             | 8.419            | 1.741 |
| 40  | 5.013           | 0.178           |                          | 0.428             | 8.847            | 1.765 |
| 41  | 5.191           | 0.178           |                          | 0.437             | 9.284            | 1.788 |
| 42  | 5.369           | 0.178           | 0.178                    | 0.440             | 9.724            | 1.811 |
| 43  | 5.547           | 0.178           |                          | 0.450             | 10.174           | 1.834 |
| 44  | 5.724           | 0.177           |                          | 0.454             | 10.628           | 1.857 |
| 45  | 5.900           | 0.176           |                          | 0.461             | 11.089           | 1.879 |
| 46  | 6.072           | 0.172           |                          | 0.468             | 11.557           | 1.903 |
| 47  | 6.243           | 0.171           |                          | 0.471             | 12.028           | 1.927 |
| 48  | 6.413           | 0.170           |                          | 0.476             | 12.504           | 1.950 |
| 49  | 6.583           | 0.170           | 0.173                    | 0.481             | 12.985           | 1.973 |
| 50  | 6.749           | 0.166           |                          | 0.485             | 13.470           | 1.996 |
| 51  | 6.914           | 0.165           |                          | 0.487             | 13.957           | 2.019 |
| 52  | 7.075           | 0.161           |                          | 0.492             | 14.449           | 2.042 |
| 53  | 7.235           | 0.160           |                          | 0.496             | 14.945           | 2.066 |
| 54  | 7.392           | 0.157           |                          | 0.496             | 15.441           | 2.089 |
| 55  | 7.549           | 0.157           |                          | 0.500             | 15.941           | 2.112 |
| 56  | 7.701           | 0.152           | 0.160                    | 0.503             | 16.444           | 2.135 |
| 57  | 7.853           | 0.152           |                          | 0.503             | 16.947           | 2.158 |
| 58  | 8.000           | 0.147           |                          | 0.505             | 17.452           | 2.182 |
| 59  | 8.146           | 0.146           |                          | 0.507             | 17.959           | 2.205 |
| 60  | 8.289           | 0.143           |                          | 0.507             | 18.466           | 2.228 |
| 61  | 8.428           | 0.139           |                          | 0.507             | 18.973           | 2.251 |
| 62  | 8.567           | 0.139           |                          | 0.509             | 19.482           | 2.274 |
| 63  | 8.702           | 0.135           | 0.143                    | 0.509             | 19.991           | 2.297 |
| 64  | 8.834           | 0.132           |                          | 0.510             | 20.501           | 2.321 |
| 65  | 8.964           | 0.130           |                          | 0.507             | 21.008           | 2.344 |
| 66  | 9.090           | 0.126           |                          | 0.507             | 21.515           | 2.367 |
| 67  | 9.213           | 0.123           |                          | 0.507             | 22.022           | 2.390 |
| 68  | 9.336           | 0.123           |                          | 0.507             | 22.529           | 2.413 |
| 69  | 9.456           | 0.120           |                          | 0.507             | 23.036           | 2.436 |
| 70  | 9.570           | 0.114           | 0.124                    | 0.507             | 23.543           | 2.460 |

### NOTE

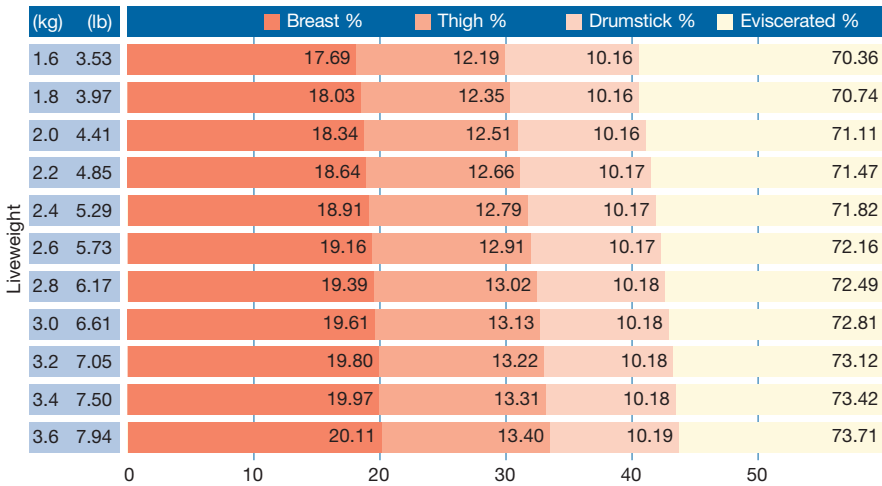
*In the table values are rounded, this may result in small inaccuracies when using the objectives to calculate other performance statistics.*

# ROSS 308 BROILER: Performance Objectives

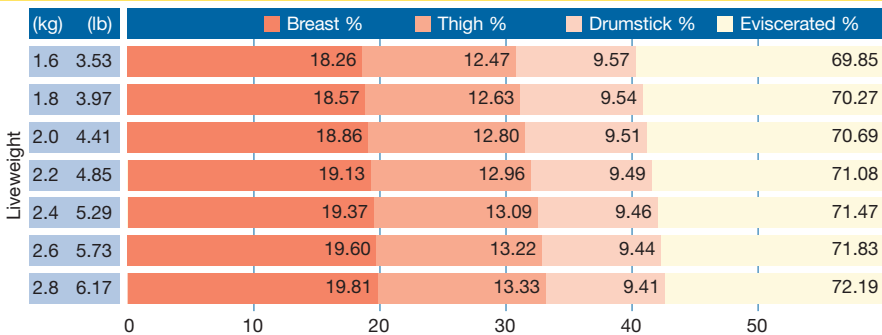
## Carcase Yield

The following diagrams indicate how yields of the major portions change with increasing liveweight in each sex. Two types of processing are described; eviscerated yield is broken down into breast meat, thigh and drumstick to represent a portioning operation and into breast meat and leg meat to represent a deboning operation.

### ROSS 308 Male - Portion

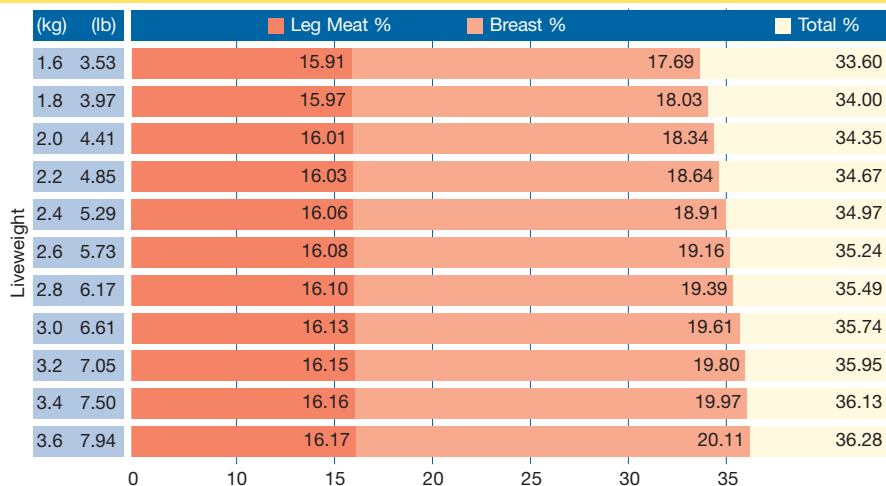


### ROSS 308 Female - Portion

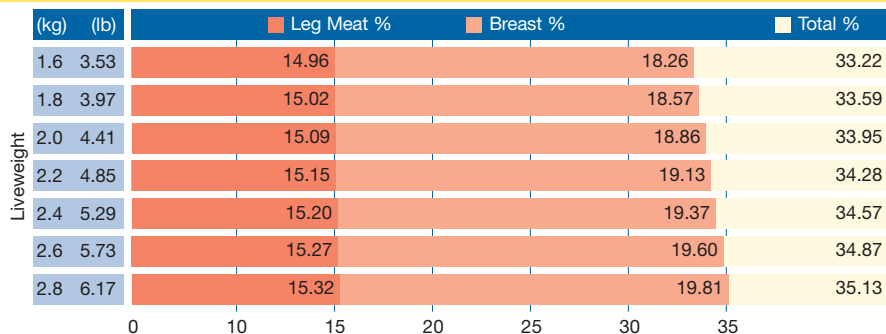


# ROSS 308 BROILER: Performance Objectives

## ROSS 308 Male - Debone



## ROSS 308 Female - Debone



## Definitions of terms:

- Eviscerated %** eviscerated carcasse, without neck, abdominal fat and internal organs, as a percentage of liveweight.
- Total Meat %** sum of breast meat, thigh deboned without skin and drumstick deboned without skin as a percentage of liveweight.
- Breast %** breast meat without skin and bone removed, as a percentage of liveweight.
- Thigh/Drumstick %** whole thigh/drumstick with skin and bone in, as a percentage of liveweight.
- Leg Meat %** sum of deboned thigh without skin and deboned drumstick, without skin as a percentage of liveweight.

**Notes**

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Every attempt has been made to ensure the accuracy and relevance of the information presented. However, Aviagen accepts no liability for the consequences of using the information for the management of chickens.

For further information on the management of Ross stock, please contact your local Technical Service Manager or the Technical Services Department.

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