

# Guangming No.2

Broiler Performance Objectives and  
Nutrition Specifications



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## Introduction

This manual contains performance objectives and nutrition specifications of Guangming No.2 broiler.

### Performance Objectives and Nutrition Specifications

Data contained within this booklet indicates the performance that can be achieved or exceed under good management and environmental conditions, and when feeding recommended nutrient levels of Guangming No.2 broiler.

### Main factors affecting or hindering performance

- ◎ Quality of chicks
- ◎ Nutritional components of raw materials and nutrient intake
- ◎ Production under extreme weather
- ◎ Regional differences
- ◎ Restrictions on feeding and management
- ◎ Restrictions on rearing hardware
- ◎ Control of environment in chicken houses
- ◎ Economic constraints, etc.

Due to a variety of factors, actual average performance may be lower than the given performance objectives. Broiler breeding requires not only efficient growth rate, but also low-cost feeding.

In the tables, values are rounded. This may result in small inaccuracies when using the objectives to calculate other performance statistics. In practice variations in performance due to regional differences, raw materials, equipment, feeding and management factors, etc.

While every attempt has been made to ensure the accuracy and relevance of the information presented, Shandong Guangming Biotechnology Co.,Ltd. accepts no liability for the consequences of using this information to manage broiler. For more information on the management of Guangming No.2 broiler, please contact your local Guangming No.2 Sales/Technical representative.

## Performance Objectives of Guangming No.2 Broiler As-Hatched Performance

| Age<br>(day) | Body weight<br>(g) | Performance indicators of broiler |                       |                     |                   |       |
|--------------|--------------------|-----------------------------------|-----------------------|---------------------|-------------------|-------|
|              |                    | Daily Gain<br>(g)                 | Av. Daily Gain<br>(g) | Daily Intake<br>(g) | Cum Intake<br>(g) | FCR   |
| 0            | 41                 | /                                 | /                     | /                   | /                 | 0.000 |
| 1            | 58                 | 17                                | /                     | 12.0                | 12.0              | 0.207 |
| 2            | 77                 | 19                                | /                     | 17.0                | 29.0              | 0.377 |
| 3            | 99                 | 22                                | /                     | 20.5                | 49.5              | 0.500 |
| 4            | 123                | 24                                | /                     | 24.0                | 73.5              | 0.598 |
| 5            | 149                | 26                                | /                     | 27.5                | 101.0             | 0.678 |
| 6            | 177                | 28                                | /                     | 31.0                | 132.0             | 0.746 |
| 7            | 208                | 31                                | 23.9                  | 35.0                | 167.0             | 0.803 |
| 8            | 242                | 34                                | 25.1                  | 39.0                | 206.0             | 0.851 |
| 9            | 281                | 39                                | 26.7                  | 43.0                | 249.0             | 0.886 |
| 10           | 323                | 42                                | 28.2                  | 47.5                | 296.5             | 0.918 |
| 11           | 368                | 45                                | 29.7                  | 52.5                | 349.0             | 0.948 |
| 12           | 416                | 48                                | 31.3                  | 57.5                | 406.5             | 0.977 |
| 13           | 469                | 53                                | 32.9                  | 62.5                | 469.0             | 1.000 |
| 14           | 525                | 56                                | 34.6                  | 67.5                | 536.5             | 1.022 |
| 15           | 584                | 59                                | 36.2                  | 72.5                | 609.0             | 1.043 |
| 16           | 646                | 62                                | 37.8                  | 77.5                | 686.5             | 1.063 |
| 17           | 713                | 67                                | 39.5                  | 83.5                | 770.0             | 1.080 |
| 18           | 783                | 70                                | 41.2                  | 90.5                | 860.5             | 1.099 |
| 19           | 856                | 73                                | 42.9                  | 97.5                | 958.0             | 1.119 |
| 20           | 932                | 76                                | 44.6                  | 103.5               | 1061.5            | 1.139 |
| 21           | 1011               | 79                                | 46.2                  | 109.0               | 1170.5            | 1.158 |
| 22           | 1092               | 81                                | 47.8                  | 114.5               | 1285.0            | 1.177 |
| 23           | 1175               | 83                                | 49.3                  | 120.0               | 1405.0            | 1.196 |
| 24           | 1260               | 85                                | 50.8                  | 125.0               | 1530.0            | 1.214 |
| 25           | 1347               | 87                                | 52.2                  | 130.5               | 1660.5            | 1.233 |
| 26           | 1436               | 89                                | 53.7                  | 135.5               | 1796.0            | 1.251 |
| 27           | 1527               | 91                                | 55.0                  | 141.0               | 1937.0            | 1.269 |
| 28           | 1620               | 93                                | 56.4                  | 146.0               | 2083.0            | 1.286 |
| 29           | 1714               | 94                                | 57.7                  | 151.5               | 2234.5            | 1.304 |
| 30           | 1809               | 95                                | 58.9                  | 156.5               | 2391.0            | 1.322 |
| 31           | 1905               | 96                                | 60.1                  | 162.0               | 2553.0            | 1.340 |
| 32           | 2002               | 97                                | 61.3                  | 167.0               | 2720.0            | 1.359 |
| 33           | 2100               | 98                                | 62.4                  | 172.5               | 2892.5            | 1.377 |
| 34           | 2199               | 99                                | 63.5                  | 177.5               | 3070.0            | 1.396 |
| 35           | 2299               | 100                               | 64.5                  | 183.0               | 3253.0            | 1.415 |
| 36           | 2400               | 101                               | 65.5                  | 188.0               | 3441.0            | 1.434 |
| 37           | 2502               | 102                               | 66.5                  | 193.0               | 3634.0            | 1.452 |
| 38           | 2605               | 103                               | 67.5                  | 198.0               | 3832.0            | 1.471 |
| 39           | 2709               | 104                               | 68.4                  | 203.0               | 4035.0            | 1.489 |
| 40           | 2814               | 105                               | 69.3                  | 208.0               | 4243.0            | 1.508 |
| 41           | 2920               | 106                               | 70.2                  | 213.0               | 4456.0            | 1.526 |
| 42           | 3027               | 107                               | 71.1                  | 218.0               | 4674.0            | 1.544 |

Av. Daily Gain = (weight-weight at 0 day-old)/age.  
The FCR does not include dead broiler.



### Male Performance

| Age<br>(day) | Body weight<br>(g) | Performance indicators of broiler |                       |                     |                   |       |
|--------------|--------------------|-----------------------------------|-----------------------|---------------------|-------------------|-------|
|              |                    | Daily Gain<br>(g)                 | Av. Daily Gain<br>(g) | Daily Intake<br>(g) | Cum Intake<br>(g) | FCR   |
| 0            | 41                 | /                                 | /                     | /                   | /                 | 0.000 |
| 1            | 58                 | 17                                | /                     | 11.0                | 11.0              | 0.190 |
| 2            | 77                 | 19                                | /                     | 15.5                | 26.5              | 0.344 |
| 3            | 98                 | 21                                | /                     | 19.5                | 46.0              | 0.469 |
| 4            | 122                | 24                                | /                     | 23.5                | 69.5              | 0.570 |
| 5            | 148                | 26                                | /                     | 27.5                | 97.0              | 0.655 |
| 6            | 176                | 28                                | /                     | 31.5                | 128.5             | 0.730 |
| 7            | 208                | 32                                | 23.9                  | 35.5                | 164.0             | 0.788 |
| 8            | 242                | 34                                | 25.1                  | 39.5                | 203.5             | 0.841 |
| 9            | 282                | 40                                | 26.8                  | 43.5                | 247.0             | 0.876 |
| 10           | 324                | 42                                | 28.3                  | 47.5                | 294.5             | 0.909 |
| 11           | 371                | 47                                | 30.0                  | 52.5                | 347.0             | 0.935 |
| 12           | 420                | 49                                | 31.6                  | 58.5                | 405.5             | 0.965 |
| 13           | 475                | 55                                | 33.4                  | 64.5                | 470.0             | 0.989 |
| 14           | 533                | 58                                | 35.1                  | 70.5                | 540.5             | 1.014 |
| 15           | 595                | 62                                | 36.9                  | 76.5                | 617.0             | 1.037 |
| 16           | 660                | 65                                | 38.7                  | 82.5                | 699.5             | 1.060 |
| 17           | 729                | 69                                | 40.5                  | 88.5                | 788.0             | 1.081 |
| 18           | 804                | 75                                | 42.4                  | 94.5                | 882.5             | 1.098 |
| 19           | 880                | 76                                | 44.2                  | 100.5               | 983.0             | 1.117 |
| 20           | 961                | 81                                | 46.0                  | 106.5               | 1089.5            | 1.134 |
| 21           | 1045               | 84                                | 47.8                  | 113.5               | 1203.0            | 1.151 |
| 22           | 1132               | 87                                | 49.6                  | 120.5               | 1323.5            | 1.169 |
| 23           | 1220               | 88                                | 51.3                  | 127.0               | 1450.5            | 1.189 |
| 24           | 1312               | 92                                | 53.0                  | 133.0               | 1583.5            | 1.207 |
| 25           | 1405               | 93                                | 54.6                  | 139.0               | 1722.5            | 1.226 |
| 26           | 1501               | 96                                | 56.2                  | 145.0               | 1867.5            | 1.244 |
| 27           | 1600               | 99                                | 57.7                  | 151.0               | 2018.5            | 1.262 |
| 28           | 1700               | 100                               | 59.3                  | 157.0               | 2175.6            | 1.280 |
| 29           | 1803               | 103                               | 60.8                  | 163.0               | 2338.6            | 1.297 |
| 30           | 1906               | 103                               | 62.2                  | 168.5               | 2507.1            | 1.315 |
| 31           | 2011               | 105                               | 63.5                  | 174.0               | 2681.2            | 1.333 |
| 32           | 2117               | 106                               | 64.9                  | 179.5               | 2860.7            | 1.351 |
| 33           | 2225               | 108                               | 66.2                  | 185.0               | 3045.8            | 1.369 |
| 34           | 2334               | 109                               | 67.4                  | 190.0               | 3235.8            | 1.386 |
| 35           | 2444               | 110                               | 68.7                  | 195.0               | 3430.8            | 1.404 |
| 36           | 2554               | 110                               | 69.8                  | 199.0               | 3629.9            | 1.421 |
| 37           | 2664               | 110                               | 70.9                  | 203.0               | 3832.9            | 1.439 |
| 38           | 2775               | 111                               | 71.9                  | 206.0               | 4038.9            | 1.455 |
| 39           | 2886               | 111                               | 72.9                  | 209.0               | 4248.0            | 1.472 |
| 40           | 2997               | 111                               | 73.9                  | 212.0               | 4460.0            | 1.488 |
| 41           | 3108               | 111                               | 74.8                  | 215.0               | 4675.0            | 1.504 |
| 42           | 3219               | 111                               | 75.7                  | 218.0               | 4893.1            | 1.520 |

Av. Daily Gain = (weight-weight at 0 day-old)/age.  
The FCR does not include dead broiler.

### Female Performance

| Age<br>(day) | Body weight<br>(g) | Performance indicators of broiler |                       |                     |                   |       |
|--------------|--------------------|-----------------------------------|-----------------------|---------------------|-------------------|-------|
|              |                    | Daily Gain<br>(g)                 | Av. Daily Gain<br>(g) | Daily Intake<br>(g) | Cum Intake<br>(g) | FCR   |
| 0            | 41                 | /                                 | /                     | /                   | /                 | 0.000 |
| 1            | 59                 | 18                                | /                     | 13.0                | 13.0              | 0.220 |
| 2            | 78                 | 19                                | /                     | 18.0                | 31.0              | 0.397 |
| 3            | 99                 | 21                                | /                     | 21.0                | 52.0              | 0.525 |
| 4            | 122                | 23                                | /                     | 24.0                | 76.0              | 0.623 |
| 5            | 148                | 26                                | /                     | 27.5                | 103.5             | 0.699 |
| 6            | 177                | 29                                | /                     | 31.5                | 135.0             | 0.763 |
| 7            | 209                | 32                                | 24.0                  | 35.5                | 170.5             | 0.816 |
| 8            | 244                | 35                                | 25.4                  | 39.5                | 210.0             | 0.861 |
| 9            | 282                | 38                                | 26.8                  | 43.5                | 253.5             | 0.899 |
| 10           | 323                | 41                                | 28.2                  | 47.5                | 301.0             | 0.932 |
| 11           | 367                | 44                                | 29.6                  | 51.5                | 352.5             | 0.960 |
| 12           | 414                | 47                                | 31.1                  | 55.5                | 408.0             | 0.986 |
| 13           | 464                | 50                                | 32.5                  | 59.5                | 467.5             | 1.008 |
| 14           | 517                | 53                                | 34.0                  | 64.0                | 531.5             | 1.028 |
| 15           | 573                | 56                                | 35.5                  | 69.0                | 600.5             | 1.048 |
| 16           | 632                | 59                                | 36.9                  | 74.0                | 674.5             | 1.067 |
| 17           | 694                | 62                                | 38.4                  | 79.0                | 753.5             | 1.086 |
| 18           | 759                | 65                                | 39.9                  | 84.5                | 838.0             | 1.104 |
| 19           | 827                | 68                                | 41.4                  | 90.5                | 928.5             | 1.123 |
| 20           | 898                | 71                                | 42.9                  | 96.5                | 1025.0            | 1.141 |
| 21           | 972                | 74                                | 44.3                  | 102.5               | 1127.5            | 1.160 |
| 22           | 1049               | 77                                | 45.8                  | 108.5               | 1236.0            | 1.178 |
| 23           | 1129               | 80                                | 47.3                  | 114.5               | 1350.5            | 1.196 |
| 24           | 1211               | 82                                | 48.8                  | 120.5               | 1471.0            | 1.215 |
| 25           | 1295               | 84                                | 50.2                  | 126.0               | 1597.0            | 1.233 |
| 26           | 1381               | 86                                | 51.5                  | 131.5               | 1728.5            | 1.252 |
| 27           | 1468               | 87                                | 52.9                  | 136.5               | 1865.0            | 1.270 |
| 28           | 1556               | 88                                | 54.1                  | 141.5               | 2006.5            | 1.290 |
| 29           | 1645               | 89                                | 55.3                  | 146.0               | 2152.5            | 1.309 |
| 30           | 1734               | 89                                | 56.4                  | 150.5               | 2303.0            | 1.328 |
| 31           | 1824               | 90                                | 57.5                  | 154.5               | 2457.5            | 1.347 |
| 32           | 1914               | 90                                | 58.5                  | 158.5               | 2616.0            | 1.367 |
| 33           | 2005               | 91                                | 59.5                  | 162.5               | 2778.5            | 1.386 |
| 34           | 2096               | 91                                | 60.4                  | 166.5               | 2945.0            | 1.405 |
| 35           | 2188               | 92                                | 61.3                  | 170.5               | 3115.5            | 1.424 |
| 36           | 2280               | 92                                | 62.2                  | 174.5               | 3290.0            | 1.443 |
| 37           | 2373               | 93                                | 63.0                  | 178.5               | 3468.5            | 1.462 |
| 38           | 2466               | 93                                | 63.8                  | 182.5               | 3651.0            | 1.481 |
| 39           | 2559               | 93                                | 64.6                  | 186.5               | 3837.5            | 1.500 |
| 40           | 2653               | 94                                | 65.3                  | 190.5               | 4028.0            | 1.518 |
| 41           | 2747               | 94                                | 66.0                  | 194.5               | 4222.5            | 1.537 |
| 42           | 2841               | 94                                | 66.7                  | 198.5               | 4421.0            | 1.556 |

Av. Daily Gain = (weight-weight at 0 day-old)/age.  
The FCR does not include dead broiler.



## Guangming No.2 Broiler Carcass Yield

| Male             |                 |            |           |               |          |              |            |                |
|------------------|-----------------|------------|-----------|---------------|----------|--------------|------------|----------------|
| Portion          |                 |            |           |               |          | Debone       |            |                |
| Live Weight (kg) | Eviscerated (%) | Breast (%) | Thigh (%) | Drumstick (%) | Wing (%) | Leg Meat (%) | Breast (%) | Total Meat (%) |
| 1.60             | 70.10           | 21.33      | 12.88     | 9.96          | 7.66     | 15.18        | 21.33      | 36.51          |
| 1.80             | 70.97           | 22.35      | 13.13     | 9.93          | 7.65     | 15.68        | 22.35      | 38.03          |
| 2.00             | 71.66           | 23.16      | 13.35     | 9.88          | 7.62     | 16.08        | 23.16      | 39.24          |
| 2.20             | 72.23           | 23.83      | 13.52     | 9.87          | 7.57     | 16.39        | 23.83      | 40.22          |
| 2.40             | 72.70           | 24.39      | 13.64     | 9.86          | 7.57     | 16.66        | 24.39      | 41.05          |
| 2.60             | 73.10           | 24.86      | 13.78     | 9.83          | 7.55     | 16.88        | 24.86      | 41.74          |
| 2.80             | 73.44           | 25.25      | 13.88     | 9.81          | 7.53     | 17.10        | 25.25      | 42.35          |
| 3.00             | 73.74           | 25.61      | 13.95     | 9.80          | 7.51     | 17.25        | 25.61      | 42.86          |
| 3.20             | 74.10           | 25.92      | 14.04     | 9.79          | 7.50     | 17.41        | 25.92      | 43.33          |
| 3.40             | 74.33           | 26.18      | 14.13     | 9.77          | 7.49     | 17.52        | 26.18      | 43.70          |
| 3.60             | 74.53           | 26.41      | 14.18     | 9.77          | 7.47     | 17.62        | 26.41      | 44.03          |
| 3.80             | 74.71           | 26.62      | 14.24     | 9.75          | 7.46     | 17.73        | 26.62      | 44.35          |
| 4.00             | 74.88           | 26.82      | 14.27     | 9.74          | 7.45     | 17.84        | 26.82      | 44.66          |
| 4.20             | 75.02           | 26.99      | 14.33     | 9.74          | 7.45     | 17.93        | 26.99      | 44.92          |
| 4.40             | 75.16           | 27.15      | 14.35     | 9.74          | 7.45     | 17.99        | 27.15      | 45.14          |
| 4.60             | 75.28           | 27.30      | 14.41     | 9.73          | 7.44     | 18.12        | 27.30      | 45.42          |
| 4.80             | 75.39           | 27.43      | 14.44     | 9.73          | 7.44     | 18.16        | 27.43      | 45.59          |

| Female           |                 |            |           |               |          |              |            |                |
|------------------|-----------------|------------|-----------|---------------|----------|--------------|------------|----------------|
| Portion          |                 |            |           |               |          | Debone       |            |                |
| Live Weight (kg) | Eviscerated (%) | Breast (%) | Thigh (%) | Drumstick (%) | Wing (%) | Leg Meat (%) | Breast (%) | Total Meat (%) |
| 1.60             | 71.38           | 22.77      | 13.06     | 9.53          | 7.66     | 15.78        | 22.77      | 38.55          |
| 1.80             | 72.33           | 23.96      | 13.22     | 9.44          | 7.60     | 15.93        | 23.96      | 39.89          |
| 2.00             | 73.09           | 24.93      | 13.33     | 9.38          | 7.55     | 16.06        | 24.93      | 40.99          |
| 2.20             | 73.71           | 25.70      | 13.45     | 9.33          | 7.55     | 16.15        | 25.70      | 41.85          |
| 2.40             | 74.22           | 26.36      | 13.53     | 9.27          | 7.53     | 16.22        | 26.36      | 42.58          |
| 2.60             | 74.66           | 26.92      | 13.58     | 9.22          | 7.51     | 16.29        | 26.92      | 43.21          |
| 2.80             | 75.04           | 27.38      | 13.68     | 9.22          | 7.49     | 16.36        | 27.38      | 43.74          |
| 3.00             | 75.36           | 27.81      | 13.73     | 9.18          | 7.47     | 16.40        | 27.81      | 44.21          |
| 3.20             | 75.65           | 28.14      | 13.75     | 9.15          | 7.45     | 16.44        | 28.14      | 44.58          |
| 3.40             | 75.90           | 28.46      | 13.79     | 9.13          | 7.43     | 16.49        | 28.46      | 44.95          |
| 3.60             | 76.12           | 28.74      | 13.83     | 9.12          | 7.42     | 16.55        | 28.74      | 45.29          |
| 3.80             | 76.32           | 29.08      | 13.88     | 9.10          | 7.42     | 16.56        | 29.08      | 45.64          |
| 4.00             | 76.50           | 29.27      | 13.92     | 9.08          | 7.41     | 16.60        | 29.27      | 45.87          |

## Description of slaughtering and dividing parts

| Item             | Site Description                                                                                     |
|------------------|------------------------------------------------------------------------------------------------------|
| Live Weight (kg) | Broiler weight before slaughter                                                                      |
| Eviscerated (%)  | Eviscerated carcass (without neck, abdominal fat and internal organs) as a percentage of live weight |
| Breast (%)       | Breast meat (without skin and bone) as a percentage of live weight                                   |
| Thigh (%)        | Whole thigh (with skin and bone) as a percentage of live weight                                      |
| Drumstick (%)    | Whole drumstick (with skin and bone) as a percentage of live weight                                  |
| Wing (%)         | Whole wing, clean cut at the joint (with skin and bone) as a percentage of live weight               |
| Leg Meat (%)     | Whole leg (without skin and bone) as a percentage of live weight                                     |
| Total Meat(%)    | Whole leg and breast (without skin and bone) as a percentage of live weight                          |

-  **NOTES**
- 1.These figures do not include any moisture retained during chilling or processing.
  - 2.Carcass component yields will vary among processing plants depending on, for example, type of equipment used and the exact portion(s) being produced.

## Nutrition Specifications of Guangming No.2 Broiler

|                             | Unit    | Broiler               |                       |                           |                                 |
|-----------------------------|---------|-----------------------|-----------------------|---------------------------|---------------------------------|
|                             |         | Starter Feed 0-10days | Grower Feed 11-24days | Finisher Feed 1 25-35days | Finisher Feed 2 36days - market |
| Metabolizable energy        | Kcal/kg | 2975                  | 3050                  | 3150                      | 3250                            |
| Protein                     | %       | 22-23                 | 20-22                 | 19-20                     | 17-19                           |
| Calcium                     | %       | 0.95                  | 0.85                  | 0.75                      | 0.75                            |
| Phosphorus                  | %       | 0.50                  | 0.42                  | 0.38                      | 0.36                            |
| Sodium                      | %       | 0.18-0.23             | 0.18-0.23             | 0.18-0.23                 | 0.18-0.23                       |
| Chlorine                    | %       | 0.18-0.23             | 0.18-0.23             | 0.18-0.23                 | 0.18-0.23                       |
| Potassium                   | %       | 0.6-0.9               | 0.6-0.9               | 0.6-0.9                   | 0.6-0.9                         |
| Linoleic Acid               | %       | 1.25                  | 1.20                  | 1.00                      | 1.00                            |
| Digestible Amino Acids      |         |                       |                       |                           |                                 |
| Lysine                      | %       | 1.32                  | 1.28                  | 1.22                      | 1.18                            |
| Methionine                  | %       | 0.55                  | 0.51                  | 0.48                      | 0.45                            |
| Methionine + Cystine        | %       | 1.00                  | 0.95                  | 0.90                      | 0.80                            |
| Threonine                   | %       | 0.88                  | 0.80                  | 0.75                      | 0.70                            |
| Tryptophan                  | %       | 0.22                  | 0.20                  | 0.18                      | 0.18                            |
| Valine                      | %       | 1.00                  | 0.90                  | 0.85                      | 0.80                            |
| Isoleucine                  | %       | 0.88                  | 0.80                  | 0.75                      | 0.70                            |
| Arginine                    | %       | 1.40                  | 1.28                  | 1.18                      | 1.15                            |
| Leucine                     | %       | 1.45                  | 1.30                  | 1.20                      | 1.15                            |
| Added Trace Minerals Pre KG |         |                       |                       |                           |                                 |
| Copper                      | mg/kg   | 16                    | 16                    | 16                        | 16                              |
| Iodine                      | mg/kg   | 1.25                  | 1.25                  | 1.25                      | 1.25                            |
| Iron                        | mg/kg   | 20                    | 20                    | 20                        | 20                              |
| Manganese                   | mg/kg   | 120                   | 120                   | 120                       | 120                             |
| Selenium                    | mg/kg   | 0.35                  | 0.35                  | 0.35                      | 0.35                            |
| Zinc                        | mg/kg   | 120                   | 120                   | 120                       | 120                             |
| Added Vitamins Pre Kg       |         |                       |                       |                           |                                 |
| VA                          | IU      | 13000                 | 11000                 | 10000                     | 10000                           |
| VD                          | IU      | 5000                  | 4500                  | 4000                      | 4000                            |
| VE                          | IU      | 80                    | 65                    | 55                        | 55                              |
| VK                          | mg/kg   | 4.0                   | 3.6                   | 3.2                       | 3.2                             |
| B1                          | mg/kg   | 5                     | 4                     | 3                         | 3                               |
| B2                          | mg/kg   | 9                     | 8                     | 7                         | 7                               |
| Nicotinic acid              | mg/kg   | 70                    | 65                    | 50                        | 50                              |
| Pantothenic acid            | mg/kg   | 25                    | 20                    | 15                        | 15                              |
| B6                          | mg/kg   | 5                     | 4                     | 3                         | 3                               |
| Biotin                      | mg/kg   | 0.35                  | 0.28                  | 0.22                      | 0.22                            |
| Folic Acid                  | mg/kg   | 2.5                   | 2.0                   | 1.8                       | 1.8                             |
| B12                         | mg/kg   | 0.02                  | 0.018                 | 0.016                     | 0.016                           |
| Choline                     | mg/kg   | 1700                  | 1600                  | 1500                      | 1500                            |