



## **Total Income from Farming in the United Kingdom**

#### First estimate for 2016

This release corrects errors found in the edition published on 27 April 2017.

Errors were identified in the output value of fruit, vegetables and milk due to the use of incorrect data. This affects 2016 data, with minor corrections to 2014 and 2015 data. This release presents corrected estimates, along with further minor revisions to the value of output of cereals, eggs and animal feed costs, a result of new data becoming available since publishing in April. For more detailed information on the corrections please go to the revisions section on page 11.

## Key points:

- Between 2015 and 2016 Total Income from Farming fell by 7.5% (£292 million) in real terms to £3,610 million.
  - The value of all outputs fell by 5.0% to £23,149 million. This was mainly driven by falls in both volume and value for cereals and milk.
  - The cost of intermediate consumption fell by 4.5%, due to lower prices and a general fall in volumes used.
  - A weaker pound led to an increase of 18% in the value of payments under the Basic Payment Scheme
- Total Income from Farming per annual work unit (AWU)<sup>1</sup> of entrepreneurial labour (farmers and other unpaid labour) fell by 6.9% between 2015 and 2016 in real terms to £18,816
- Gross value added at basic price<sup>2</sup>, which identifies agriculture's contribution to the Gross Domestic Product (GDP), fell by 5.9% (£517 million), in real terms, to £8,196 million.

<sup>&</sup>lt;sup>1</sup> Annual Work Unit (AWU) is equivalent to the input of one person engaged in agricultural activities of the farm business on a full-time basis for one year.

<sup>&</sup>lt;sup>2</sup> Gross value added at basic price is the total value of outputs (plus any product related subsidies) less the value of intermediate consumption

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Total Income from Farming is the income to those with an entrepreneurial interest in the agricultural industry, typically farmers and partners. A second estimate incorporating data that becomes available later in the year will be published in November 2017.

## **Summary (in real terms)**

Real term value is where previous years' data is adjusted to take account of inflation so the values are comparable. The following commentary refers to table 1.

In real terms Total Income from Farming in 2016 was 7.5% lower than the 2015 total, a fall of £292 million to £3,610 million.

The value of all outputs fell by 5.0% to £23,149 million. Overall cereal production was down, driven by a return to more typical yields following the record yields of 2015 and, despite market prices strengthening in the latter part of the year, cereal prices for the year as a whole were lower. Similarly milk production and price was lower in 2016.

The cost of intermediate consumption fell by 4.5%, due to lower prices and a general fall in volumes used. This led to a 5.9% (£517 million) fall in gross value added at basic price to £8.2 billion.

The pound weakened against the euro in 2016 and subsequently increased the value of direct payments to UK farmers with the net value of support payments paid under the Basic Payment Scheme18% higher in 2016 than 2015. Payments are set in Euros and converted to sterling each year using the exchange rate set by the European Central Bank every September. In 2016 €1=85.2p compared to €1=73.1p in 2015.

Labour, rent and interest remained virtually unchanged on the year.

Total Income from Farming per AWU of entrepreneurial labour follows a similar trend to Total Income from Farming, but owing to a decline in the number of farmers and other unpaid workers has performed better over time (see figure 1). In 2016 total Income from Farming per AWU of entrepreneurial labour was 6.9% lower than 2015 at £18,816.

Figure 1 Agriculture industry income trends in the United Kingdom (in real terms)

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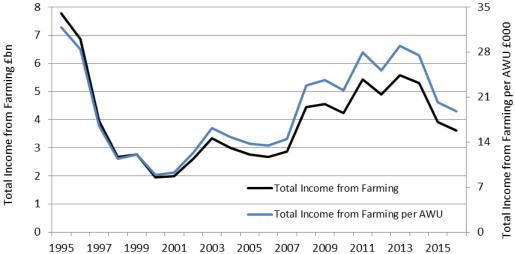


Table 1 Aggregate Agricultural Accounts: real term price production and income accounts for the United Kingdom

| £ million                                  | the Office Kingdom                  |        |        | Calend | lar years |
|--|-------------------------------------|--------|--------|--------|-----------|
|  |                                     | 2013   | 2014   | 2015   | 2016      |
| 1 Output of ce                             | ereals                              | 3 506  | 3 527  | 3 024  | 2 435     |
| of which:                                  | wheat                               | 2 153  | 2 501  | 2 089  | 1 627     |
|  | barley                              | 1 180  | 918    | 843    | 717       |
|  | oats                                | 166    | 101    | 87     | 86        |
| 2 Output of inc                            | dustrial crops                      | 1 229  | 1 183  | 1 071  | 859       |
| of which:                                  | oilseed rape                        | 798    | 713    | 733    | 555       |
|  | protein crops                       | 128    | 126    | 140    | 132       |
|  | sugar beet                          | 280    | 321    | 176    | 150       |
| 3 Output of fo                             | rage plants                         | 225    | 270    | 274    | 278       |
| 4 Output of ve                             | getables and horticultural products | 2 628  | 2 403  | 2 426  | 2 531     |
| of which:                                  | fresh vegetables                    | 1 391  | 1 214  | 1 257  | 1 329     |
|  | plants and flowers                  | 1 236  | 1 189  | 1 169  | 1 202     |
|  | otatoes (including seeds)           | 983    | 690    | 587    | 747       |
| 6 Output of fru                            | uit                                 | 625    | 634    | 702    | 668       |
| •  | her crop products incl. seeds       | 604    | 660    | 522    | 557       |
| Total crop o                               | utput (sum 1-7)                     | 9 799  | 9 367  | 8 606  | 8 075     |
| 8 Output of liv                            |                                     | 9 480  | 9 140  | 8 807  | 8 704     |
| primarily for m                            | neat                                | 8 036  | 7 614  | 7 526  | 7 485     |
| of which:                                  | cattle                              | 2 997  | 2 662  | 2 804  | 2 763     |
|  | pigs                                | 1 324  | 1 289  | 1 099  | 1 099     |
|  | sheep                               | 1 077  | 1 144  | 1 139  | 1 153     |
|  | poultry                             | 2 414  | 2 295  | 2 259  | 2 246     |
|  | apital formation                    | 1 444  | 1 526  | 1 281  | 1 219     |
| of which:                                  | cattle                              | 953    | 943    | 699    | 646       |
|  | pigs                                | 6      | 5      | 4      | 4         |
|  | sheep                               | 282    | 338    | 295    | 304       |
|  | poultry                             | 202    | 239    | 283    | 265       |
|  | estock products                     | 5 268  | 5 474  | 4 534  | 3 983     |
| of which:                                  | milk                                | 4 436  | 4 684  | 3 756  | 3 296     |
|  | eggs                                | 746    | 693    | 693    | 603       |
| Total livestock output (8+9)               |                                     | 14 748 | 14 614 | 13 341 | 12 686    |
| •  | cultural activities                 | 1 093  | 1 144  | 1 110  | 1 089     |
| •  | e non-agricultural activities       | 1 221  | 1 193  | 1 270  | 1 257     |
|  | market prices) (sum 1 to 11)        | 26 861 | 26 318 | 24 327 | 23 107    |
| 13 Total subsidies (less taxes) on product |                                     | 22     | 21     | 36     | 42        |
| 14 Gross output at basic prices (12+13)    |                                     | 26 883 | 26 339 | 24 363 | 23 149    |

continued

Table 1 Aggregate Agricultural Accounts: real term price production and income accounts for the United Kingdom (continued)

| £ million                                   | the office Kingdom (continued)    |        |                     | Calend | ar years |
|---|-----------------------------------|--------|---------------------|--------|----------|
|   |                                   | 2013   | 2014                | 2015   | 2016     |
| Intermediate                                | consumption                       |        |                     |        |          |
| 15 Seeds                                    |                                   | 901    | 781                 | 727    | 731      |
| 16 Energy                                   |                                   | 1 506  | 1 405               | 1 205  | 1 135    |
| of which:                                   | electricity and fuels for heating | 401    | 382                 | 384    | 367      |
|   | motor and machinery fuels         | 1 106  | 1 024               | 821    | 768      |
| 17 Fertilisers                              |                                   | 1 569  | 1 491               | 1 418  | 1 144    |
| 18 Plant protection products                |                                   | 889    | 959                 | 981    | 978      |
| 19 Veterinary expenses                      |                                   | 464    | 466                 | 462    | 457      |
| 20 Animal fee                               | ed                                | 5 772  | 5 152               | 4 814  | 4 527    |
| of which:                                   | compounds                         | 3 417  | 3 057               | 2 895  | 2 769    |
|   | straights                         | 1 630  | 1 440               | 1 315  | 1 200    |
|   | feed produced & used on farm      | 726    | 654                 | 604    | 557      |
| 21 Total main                               | tenance                           | 1 559  | 1 639               | 1 625  | 1 607    |
| of which:                                   | materials                         | 973    | 981                 | 960    | 951      |
|   | buildings                         | 585    | 658                 | 665    | 655      |
| 22 Agricultura                              | ll services                       | 1 093  | 1 144               | 1 110  | 1 089    |
| 23 FISIM                                    |                                   | 109    | 101                 | 109    | 111      |
| 24 Other good                               | ds and services                   | 3 261  | 3 227               | 3 200  | 3 175    |
| 25 Total intermediate consumption           |                                   | 17 124 | 16 366              | 15 651 | 14 953   |
| (sum 15 to 2                                | <i>'</i>                          | 0.700  | 0.050               | 0.070  | 0.454    |
|   | ue added at market prices (12-25) | 9 738  | 9 952               | 8 676  | 8 154    |
|   | ue added at basic prices (14-25)  | 9 759  | 9 973               | 8 712  | 8 196    |
|   | umption of Fixed Capital          | 4 139  | 4 147               | 4 020  | 4 058    |
| of which:                                   | equipment                         | 1 738  | 1 752               | 1 788  | 1 824    |
|   | buildings                         | 1 016  | 995                 | 1 003  | 1 012    |
|   | livestock                         | 1 384  | 1 400               | 1 229  | 1 222    |
|   | cattle                            | 890    | 893                 | 713    | 660      |
|   | pigs                              | 7      | 6                   | 4      | 5        |
|   | sheep                             | 278    | 301                 | 292    | 279      |
| 20 Not volue                                | poultry                           | 209    | 201                 | 220    | 279      |
| 29 Net value added at market prices (26-28) |                                   | 5 599  | 5 805               | 4 656  | 4 096    |
| 30 Net value added at basic prices (27-28)  |                                   | 5 620  | 5 826               | 4 692  | 4 138    |
|   | s on production                   | - 122  | - 101               | - 97   | - 96     |
| 32 Other subsidies on production            |                                   | 3 467  | 2 998               | 2 852  | 3 106    |
|   | added at factor cost (30+31+32)   | 8 965  | 8 723               | 7 447  | 7 149    |
| •   | ation of employees                | 2 496  | 2 453               | 2 546  | 2 541    |
| 35 Rent                                     |                                   | 540    | 566                 | 572    | 572      |
| 36 Interest                                 |                                   | 344    | 406<br><b>5 307</b> | 427    | 426      |
| 37 Total income from farming (33-34-35-36)  |                                   | 5 585  | 5 297               | 3 903  | 3 610    |

# Aggregate Agricultural Accounts: production and income accounts: main findings in current price

The following commentary refers to table 2 detailed production and income accounts from the aggregate agricultural accounts. Values are expressed in current prices, i.e. based on prices in the year in question.

## **Headline figures**

In 2016 Total Income from Farming fell by £225 million to £3,610 million, a 5.9% decrease on 2015. The key contributors to the change were the falls in the value of wheat by £426 million, milk by £395 million and oilseed rape by £170 million. In contrast these were somewhat offset by an increase in direct payments of £309 million, potatoes by £171 million combined with reductions in fertiliser costs of £250 million and animal feed costs of £204 million.

As a result gross value added at basic price, which identifies agriculture's contribution to the Gross Domestic Product (GDP), fell by 4.3% (£366 million) to £8,196 million.

## **Outputs: Crops**

Overall output of crops value fell by 4.5% to £8,075 million, with decreases in wheat, oilseed rape, sugar beet and barley more than offsetting the increases in potatoes, vegetable and horticulture.

Cereal harvests were down on last year as yields returned to more typical levels following the record highs of 2015 and despite strengthening prices in the latter part of the year, lower prices for the year as a whole drove values down.

The value of wheat fell by £426 million to £1,627 million. Planted area was little changed on the year and quality generally good however yield was much lower than the record high of 2015 resulting in volumes down by 12%. Price fell by 10%, as the higher prices seen in the second half of the year failed to offset the low prices at the beginning of the year.

The value of barley fell by £111 million to £717 million, driven by both price and volume. Whilst planted area was 2% higher, yield returned to more average levels, resulting in an 8.3% fall in volume. Low prices at the beginning of the year, despite an upturn in the second half, resulted in a 5.6% fall in price.

Oilseed rape saw a fall in value of £170 million to £541million, this 24% decrease was largely due to a fall in volume as lower yield and a reduction in crop area led to a 30% decrease in production.

In 2016, the value of sugar beet fell by £23 million to £150 million. Planted area fell for the fifth year running and led to a further 8.5% fall in volume with price down by 5.5% on the year.

Potatoes rose in value by £171 million to £747 million in 2016. An 8% increase in planted area and price increase of around a quarter contributed to this rise.

The value of vegetables increased by £93 million to £1,329 million, driven by higher prices for most vegetable types. Similar price rises were also seen in the fruit sector however

these failed to offset the lower production levels, down 11% on 2015 which resulted in an overall decrease in value of £22 million to £668 million.

### **Outputs: Livestock**

Overall the total value of output of livestock was 3.2% lower at £12,686 million.

Milk decreased in value by £395 million to £3,296 million, driven by lower production and price. A combination of poorer grass quality due to variable weather conditions and dairy farmers attempting to reduce key costs such as the use of supplementary feeds left production 3.2% lower than 2015. The average price of milk in 2016 (calendar year) was 22.6 pence per litre (ppl) compared to 24.5 ppl in 2015, 8% lower.

The value of eggs fell by £78 million to £603 million, entirely price-driven as volume of throughput at egg packing stations rose by 4.2%, pushing price down by 15%.

The value of livestock primarily for meat rose by £89 million with increases seen in all sectors. Higher slaughterings and heavier calf and adult cattle weights resulted in a 2.5% increase in volumes whilst prices are 1.2% lower.

Pig meat rose in value by £19 million to £1,099 million. This rise is entirely due to higher production, with levels higher in the first half of the year compared to 2015 which drove the price down for the year as a whole. The value of sheep meat increased by £33 million to £1,153 million with production 3.4% lower and price 6.5% higher on 2015.

The value of poultry meat rose by £26 million to £2,246 million, chiefly production-driven as prices fell by 2.3%.

## Intermediate consumption

The total cost of intermediate consumption fell by £427 million to £14,953 million.

In general most intermediate consumption costs fell with animal feed and fertiliser the main contributors.

The cost of fertiliser fell by £250 million to £1,144 million, entirely price-driven as the lower oil prices in the first half of the year put downward pressure on price overall.

In 2016 the cost of animal feed fell by £204 million to £4,527 million, a combination of reduced volumes and feed price. Depressed cereal prices in the first half of the year helped keep the annual average price lower combined with reduced use as farmers strived to make efficiencies.

Energy costs fell by £49 million to £1,135 million, wholly price driven as lower global oil prices at the beginning of the year kept overall annual average price down. Typical weather conditions and efficiency savings kept volumes virtually unchanged on the year.

## Compensation of employees

The total value of compensation to employees was £2,541 million, a £39 million increase resulting from higher rates of pay which offset the slight decline in numbers employed.

## Other subsidies on production

Direct payments, including payments on product, rose by £309 million to £3,148 million. Overall this is an 11% increase in payments and is mainly due to the change in euro/sterling exchange rate and is a significant contributor to Total Income from Farming. In 2016 payments under the Environmental Stewardship Entry Level Scheme reduced by £70 million as 2010/211 agreement final payments were made.

Table 2 Aggregate Agricultural Accounts: Current price production and income accounts for the United Kingdom

| £ million                                  | the Office Kingdom                  |        |        | Calend | ar years |
|--|-------------------------------------|--------|--------|--------|----------|
|  |                                     | 2013   | 2014   | 2015   | 2016     |
| 1 Output of ce                             | ereals                              | 3 375  | 3 459  | 2 971  | 2 435    |
| of which:                                  | wheat                               | 2 073  | 2 453  | 2 053  | 1 627    |
|  | barley                              | 1 136  | 900    | 828    | 717      |
|  | oats                                | 160    | 99     | 85     | 86       |
| 2 Output of inc                            | dustrial crops                      | 1 183  | 1 160  | 1 053  | 859      |
| of which:                                  | oilseed rape                        | 744    | 684    | 711    | 541      |
|  | protein crops                       | 123    | 123    | 137    | 132      |
|  | sugar beet                          | 270    | 315    | 173    | 150      |
| 3 Output of for                            | rage plants                         | 217    | 265    | 269    | 278      |
| 4 Output of ve                             | getables and horticultural products | 2 530  | 2 357  | 2 384  | 2 531    |
| of which:                                  | fresh vegetables                    | 1 340  | 1 191  | 1 235  | 1 329    |
|  | plants and flowers                  | 1 191  | 1 166  | 1 149  | 1 202    |
| 5 Output of po                             | otatoes (including seeds)           | 947    | 677    | 577    | 747      |
| 6 Output of fru                            | uit                                 | 602    | 622    | 690    | 668      |
| 7 Output of ot                             | her crop products incl. seeds       | 581    | 648    | 513    | 557      |
| Total crop or                              | utput (sum 1-7)                     | 9 435  | 9 187  | 8 457  | 8 075    |
| 8 Output of liv                            | estock                              | 9 128  | 8 964  | 8 654  | 8 704    |
| primarily for m                            | neat                                | 7 738  | 7 468  | 7 396  | 7 485    |
| of which:                                  | cattle                              | 2 886  | 2 611  | 2 756  | 2 763    |
|  | pigs                                | 1 274  | 1 264  | 1 080  | 1 099    |
|  | sheep                               | 1 037  | 1 122  | 1 119  | 1 153    |
|  | poultry                             | 2 324  | 2 250  | 2 220  | 2 246    |
|  | apital formation                    | 1 390  | 1 496  | 1 258  | 1 219    |
| of which:                                  | cattle                              | 917    | 925    | 687    | 646      |
|  | pigs                                | 6      | 5      | 4      | 4        |
|  | sheep                               | 272    | 332    | 290    | 304      |
|  | poultry                             | 195    | 234    | 278    | 265      |
|  | estock products                     | 5 072  | 5 369  | 4 455  | 3 983    |
| of which:                                  | milk                                | 4 271  | 4 594  | 3 691  | 3 296    |
|  | eggs                                | 718    | 679    | 681    | 603      |
| Total livesto                              | ck output (8+9)                     | 14 200 | 14 334 | 13 110 | 12 686   |
| 10 Other agric                             | cultural activities                 | 1 052  | 1 122  | 1 091  | 1 089    |
| 11 Inseparabl                              | e non-agricultural activities       | 1 176  | 1 170  | 1 248  | 1 257    |
| 12 Output (at                              | market prices) (sum 1 to 11)        | 25 864 | 25 813 | 23 906 | 23 107   |
| 13 Total subsidies (less taxes) on product |                                     | 21     | 21     | 36     | 42       |
| 14 Gross output at basic prices (12+13)    |                                     | 25 885 | 25 833 | 23 942 | 23 149   |

continued

Table 2: Aggregate Agricultural Accounts: Current price production and income accounts for the United Kingdom (continued)

| £ million  |   |   |   | Calend  | ar years  |
|--|---|---|---|---|---|
|  |   | 2013  | 2014  | 2015  | 2016  |
| Intermediate   | consumption   |   |   |   |   |
| 15 Seeds   | •   | 867   | 766   | 715   | 731   |
| 16 Energy  |   | 1 450   | 1 378   | 1 184   | 1 135   |
| of which:  | electricity and fuels for heating   | 386   | 374   | 377   | 367   |
|  | motor and machinery fuels   | 1 065   | 1 004   | 807   | 768   |
| 17 Fertilisers   |   | 1 511   | 1 462   | 1 393   | 1 144   |
| 18 Plant protection products   |   | 856   | 941   | 964   | 978   |
| 19 Veterinary expenses   |   | 447   | 457   | 454   | 457   |
| 20 Animal feed   |   | 5 558   | 5 053   | 4 730   | 4 527   |
| of which:  | compounds   | 3 290   | 2 999   | 2 845   | 2 769   |
|  | straights   | 1 569   | 1 413   | 1 292   | 1 200   |
|  | feed produced & used on farm  | 699   | 642   | 593   | 557   |
| 21 Total maint   | enance  | 1 501   | 1 607   | 1 597   | 1 607   |
| of which:  | materials   | 937   | 962   | 943   | 951   |
|  | buildings   | 563   | 645   | 654   | 655   |
| 22 Agricultural  | services  | 1 052   | 1 122   | 1 091   | 1 089   |
| 23 FISIM   |   | 105   | 99  | 108   | 111   |
| 24 Other good  |   | 3 140   | 3 165   | 3 145   | 3 175   |
|  | 25 Total intermediate consumption   |   | 16 051  | 15 380  | 14 953  |
| (sum 15 to 24  | ,   | 0.276   | 0.764   | 0 526   | 0 1 5 1   |
|  | e added at market prices (12-25)  | 9 376<br>9 397  | 9 761<br>9 782  | 8 526<br>8 561  | 8 154<br>8 196  |
| 27 Gross value added at basic prices (14-25)   |   |   |   |   | 0 190   |
| 20 Total concu   | •   |   |   |   |   |
|  | mption of Fixed Capital   | 3 985   | 4 067   | 3 950   | 4 058   |
| 28 Total consu<br>of which:  | mption of Fixed Capital equipment   | 3 985<br>1 674  | 4 067<br>1 719  | 3 950<br>1 757  | 4 058<br>1 824  |
|  | mption of Fixed Capital equipment buildings   | 3 985<br>1 674<br>979   | 4 067<br>1 719<br>975   | 3 950<br>1 757<br>985   | 4 058<br>1 824<br>1 012   |
|  | mption of Fixed Capital equipment buildings livestock   | 3 985<br>1 674<br>979<br>1 333  | 4 067<br>1 719<br>975<br>1 373  | 3 950<br>1 757<br>985<br>1 208  | 4 058<br>1 824<br>1 012<br>1 222  |
|  | mption of Fixed Capital equipment buildings livestock cattle  | 3 985<br>1 674<br>979<br>1 333<br>857   | 4 067<br>1 719<br>975<br>1 373<br>876   | 3 950<br>1 757<br>985<br>1 208<br>701   | 4 058<br>1 824<br>1 012<br>1 222<br>660   |
|  | mption of Fixed Capital equipment buildings livestock cattle pigs   | 3 985<br>1 674<br>979<br>1 333<br>857<br>7  | 4 067<br>1 719<br>975<br>1 373<br>876<br>5  | 3 950<br>1 757<br>985<br>1 208<br>701<br>4  | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5  |
|  | mption of Fixed Capital equipment buildings livestock cattle pigs sheep   | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267   | 4 067<br>1 719<br>975<br>1 373<br>876<br>5<br>295   | 3 950<br>1 757<br>985<br>1 208<br>701<br>4<br>287   | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279   |
| of which:  | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry   | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202  | 4 067<br>1 719<br>975<br>1 373<br>876<br>5<br>295<br>197  | 3 950<br>1 757<br>985<br>1 208<br>701<br>4<br>287<br>217  | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279<br>279  |
| of which:  | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry added at market prices (26-28)  | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202<br><b>5 391</b>  | 4 067<br>1 719<br>975<br>1 373<br>876<br>5<br>295<br>197<br><b>5 694</b>                                  | 3 950<br>1 757<br>985<br>1 208<br>701<br>4<br>287<br>217<br><b>4 575</b>  | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279<br>279<br>4 096   |
| of which:  29 Net value a 30 Net value a   | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry added at market prices (26-28)  | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202<br><b>5 391</b><br><b>5 411</b>  | 4 067<br>1 719<br>975<br>1 373<br>876<br>5<br>295<br>197<br>5 694<br>5 715                                | 3 950<br>1 757<br>985<br>1 208<br>701<br>4<br>287<br>217<br>4 575<br>4 611  | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279<br>279<br>4 096<br>4 138                                |
| of which:  29 Net value a 30 Net value a 31 Other taxes                                | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry added at market prices (26-28) added at basic prices (27-28) on production  | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202<br><b>5 391</b><br><b>5 411</b><br>- 118                                   | 4 067<br>1 719<br>975<br>1 373<br>876<br>5<br>295<br>197<br><b>5 694</b><br><b>5 715</b><br>- 99          | 3 950<br>1 757<br>985<br>1 208<br>701<br>4<br>287<br>217<br>4 575<br>4 611<br>- 96  | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279<br>279<br>4 096<br>4 138<br>- 96                        |
| 29 Net value a 30 Net value a 31 Other taxes 32 Other subsi                            | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry added at market prices (26-28) added at basic prices (27-28) on production dies on production                                 | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202<br><b>5 391</b><br><b>5 411</b><br>- 118<br>3 339                          | 4 067<br>1 719<br>975<br>1 373<br>876<br>5<br>295<br>197<br><b>5 694</b><br><b>5 715</b><br>- 99<br>2 940 | 3 950<br>1 757<br>985<br>1 208<br>701<br>4 287<br>217<br><b>4 575</b><br><b>4 611</b><br>- 96<br>2 803                          | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279<br>279<br><b>4 096</b><br><b>4 138</b><br>- 96<br>3 106 |
| 29 Net value a<br>30 Net value a<br>31 Other taxes<br>32 Other subsi<br>33 Net value a | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry added at market prices (26-28) added at basic prices (27-28) on production dies on production added at factor cost (30+31+32) | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202<br><b>5 391</b><br><b>5 411</b><br>- 118<br>3 339<br><b>8 632</b>          | 4 067 1 719 975 1 373 876 5 295 197 5 694 5 715 - 99 2 940 8 555  | 3 950<br>1 757<br>985<br>1 208<br>701<br>4<br>287<br>217<br>4 575<br>4 611<br>- 96<br>2 803<br>7 318                            | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279<br>279<br>4 096<br>4 138<br>- 96<br>3 106<br>7 149      |
| 29 Net value a 30 Net value a 31 Other taxes 32 Other subsi 33 Net value a 34 Compensa | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry added at market prices (26-28) added at basic prices (27-28) on production dies on production                                 | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202<br><b>5 391</b><br><b>5 411</b><br>- 118<br>3 339<br><b>8 632</b><br>2 403 | 4 067 1 719 975 1 373 876 5 295 197 5 694 5 715 - 99 2 940 8 555 2 406                                    | 3 950<br>1 757<br>985<br>1 208<br>701<br>4 287<br>217<br><b>4 575</b><br><b>4 611</b><br>- 96<br>2 803<br><b>7 318</b><br>2 502 | 4 058 1 824 1 012 1 222 660 5 279 279 4 096 4 138 - 96 3 106 7 149 2 541                                    |
| 29 Net value a<br>30 Net value a<br>31 Other taxes<br>32 Other subsi<br>33 Net value a | mption of Fixed Capital equipment buildings livestock cattle pigs sheep poultry added at market prices (26-28) added at basic prices (27-28) on production dies on production added at factor cost (30+31+32) | 3 985<br>1 674<br>979<br>1 333<br>857<br>7<br>267<br>202<br><b>5 391</b><br><b>5 411</b><br>- 118<br>3 339<br><b>8 632</b>          | 4 067 1 719 975 1 373 876 5 295 197 5 694 5 715 - 99 2 940 8 555  | 3 950<br>1 757<br>985<br>1 208<br>701<br>4<br>287<br>217<br>4 575<br>4 611<br>- 96<br>2 803<br>7 318                            | 4 058<br>1 824<br>1 012<br>1 222<br>660<br>5<br>279<br>279<br>4 096<br>4 138<br>- 96<br>3 106<br>7 149      |

### **Description of Total income from Farming**

Total Income from Farming is income generated by production within the agriculture industry including subsidies and represents business profits and remuneration for work done by owners and other unpaid workers. It excludes changes in the values of assets, including stocks, due to price changes but includes non-agricultural activities such as further processing or tourist activities where these cannot be separated from the agricultural business. It is the preferred measure of aggregate income for the agricultural industry conforming to internationally agreed national accounting principles required by the UK National Accounts and by Eurostat.

Total Income from Farming per Annual Work Unit (AWU) of entrepreneurial labour is a related measure. It expresses Total Income from Farming in terms of AWU of entrepreneurial labour input. An AWU of entrepreneurial labour input corresponds to the input of one person with an entrepreneurial interest in the farm business who is engaged in agricultural activities on a full-time basis over an entire year. AWU are used rather than the number of individuals in order to take account of part-time and seasonal work.

Total Income from Farming is designed to show the performance of the whole of the agricultural industry. A measure of farm incomes, Farm Business Income, designed to compare performance across different types of farming, is available in the publication Farm Accounts in England on the GOV.UK website at:

https://www.gov.uk/government/statistics/farm-business-income

## **Definitions and explanations**

Annual work unit: the input of one person in the farm business who is

engaged in agricultural activities on a full-time basis over an

entire year.

Basic prices: market prices plus directly paid subsidies that are linked to

the production of specific products.

Current prices: the value based on prices during the reference year.

Entrepreneurial labour: the input of people who have an entrepreneurial interest in

the farm business, e.g. farmers and other unpaid workers,

usually expressed in annual work units.

Gross output: the total value of output by producing enterprises.

Intermediate consumption: the goods and services used as inputs in the productive

process, e.g. feed, and fertiliser.

Real terms: the value adjusted for inflation.

Total Income from Farming: income to those with an entrepreneurial interest in the

agricultural industry.

#### **Revisions**

This edition corrects errors found in the release published on 27 April 2017. The correction affects vegetables, fruit and milk output values, see table 3 for details on the size of revisions. These revisions were slightly offset by amendments to the value of cereal, eggs and animal feed costs as a result of new data becoming available since publishing in April 2017.

The corrections have a negative impact on gross output at basic prices, gross value added at basic price and net value added at factor cost, with overall Total Income from Farming revised downwards from £3,963 million to £3,610 million, a correction of £353 million or 8.9%.

Table 3: Revisions made to the 2016 aggregate agricultural account between April 2017 and May 2017

|                               | Apr 17<br>2016 | May 2017<br>2016 | change<br>% | change<br>(£m) |
|-------------------------------|----------------|------------------|-------------|----------------|
| Gross output (£m)             | 23 548         | 23 149           | -1.7%       | - 399          |
| of which: vegetables          | 1 656          | 1 329            | -19.8%      | - 327          |
| fruit                         | 789            | 668              | -15.4%      | - 121          |
| milk                          | 3 263          | 3 296            | 1.0%        | 33             |
| Intermediate consumption (£m) | 15 000         | 14 953           | -0.3%       | - 47           |
| GVA (£m)                      | 8 548          | 8 196            | -4.1%       | - 352          |
| NVA at factor cost (£m)       | 7 501          | 7 149            | -4.7%       | - 352          |
| TIFF (£m)                     | 3 963          | 3 610            | -8.9%       | - 353          |

Table 4 below details revisions made to 2015 data since November 2016 as published in April 2017. These were largely a result of revisions made by Scotland, Northern Ireland and Wales following publication of their 2016 TIFF figures in January and March. More details on their revisions can be found here Scotland, Wales and Northern Ireland.

Table 4: Revisions made to the 2015 aggregate agricultural account between April **2016 and December 2016** 

|                               | Dec 2016<br>2015 | Apr 2017<br>2015 | %<br>change<br>to 2015 |
|-------------------------------|------------------|------------------|------------------------|
| Gross output (£m)             | 24 013           | 23 942           | -0.3%                  |
| Intermediate consumption (£m) | 15 303           | 15 380           | 0.5%                   |
| GVA (£m)                      | 8 710            | 8 561            | -1.7%                  |
| NVA at factor cost (£m)       | 7 475            | 7 318            | -2.1%                  |
| TIFF (£m)                     | 4 009            | 3 835            | -4.3%                  |

Total Income from Farming is sensitive to small percentage changes in the values of outputs and intermediate consumption. A combination of a revision downwards in output and revision upwards in intermediate consumption leads to more sizeable revisions in percentage terms to Gross Value Added and Total Income from Farming.

## Summary quality report

A summary quality report for this statistical release can be found on the GOV.UK website at <a href="https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs/series/aggregate-agricultural-accounts">https://www.gov.uk/government/organisations/department-for-environment-food-rural-affairs/series/aggregate-agricultural-accounts</a>.

This is an overview note which is not release specific but will be reviewed and updated at regular intervals. It pulls together key qualitative information on the various dimensions of quality as well as providing a summary of methods used to compile the output. It relates to estimates of Total Income from Farming and aim to provide users with information on usability and fitness for purpose of these estimates.

## **Quality Assurance**

Defra has in place quality assurance processes to check the accuracy and reliability of the aggregate agricultural accounts that includes:

- Ongoing review of methods employed in the calculation of the accounts.
- Assessment of the quality of the estimates of components of the accounts with internal experts.
- Discussion of components of the accounts with external experts.
- Quality assessments made by Eurostat, the statistical office of the European Union.

## **Development areas**

Defra statisticians carry out a continuous review of methods employed in making estimates of the production and income accounts. This may lead to revisions to data series owing to improvements in methods in addition to the use of later information.

## Main users and uses of the aggregate agricultural accounts

The aggregate agricultural accounts are used in conjunction with other economic information to:

- Monitor the productivity and competitiveness of the farming industry.
- Inform policy decisions and to help monitor and evaluate current policies relating to agriculture in the UK by Government and in the European Union by the European Commission.
- Inform stakeholders of the performance of the agricultural industry.
- Inform research into the economic performance of the agricultural industry.

• Total Income from Farming sets the context when looking at a number of policies; the agricultural industry contributes around £4 billion to the national economy and accounts for about 0.5% of national Gross Domestic Product. It is most relevant to policies relating to Common Agricultural Policy reform and the competitiveness of farming.

## **User engagement**

As part of our ongoing commitment to compliance with the Code of Practice for Official Statistics (<a href="http://www.statisticsauthority.gov.uk/assessment/code-of-practice/index.html">http://www.statisticsauthority.gov.uk/assessment/code-of-practice/index.html</a>), we wish to strengthen our engagement with users of these statistics and better understand the use made of them and the types of decisions that they inform. Consequently, we invite users to make themselves known, to advise us of the use they do, or might, make of these statistics, and what their wishes are in terms of engagement. Feedback on this notice and enquiries about these statistics are also welcome.