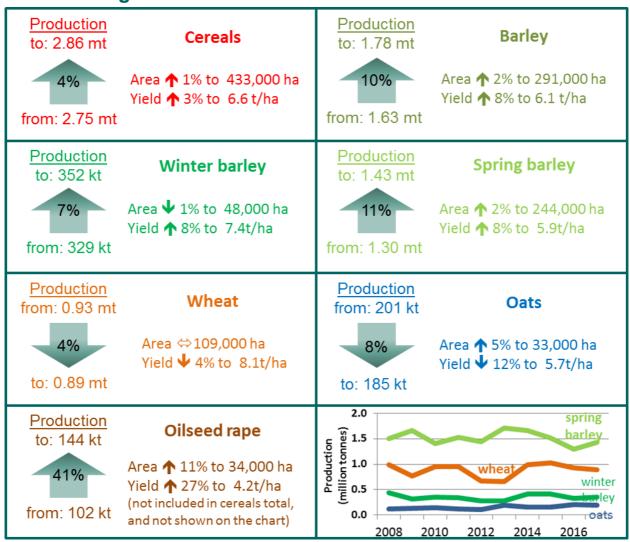


AGRICULTURE, ENVIRONMENT AND MARINE

Final Estimate of the Cereal and Oilseed Rape Harvest 2017

13th December 2017

1. Main findings



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| A National Statistics publication for Scotland | |

Area, yield and production definitions

Cereal and oilseed rape crop areas represent the amount of area that has been used to grow a particular crop, which is intended for combine-harvesting and the production of grain or oilseeds. Area estimates are derived from the June Agricultural Census. "Whole crop" cereals are harvested without extracting the grain, and are used as a source of animal feed; in such cases grain production is counted as zero.

Average yields are expressed in tonnes per hectare and represent the amount of cereal grain or oilseed that is extracted from one hectare of combine-harvested area. As the moisture content of cereals and oilseeds can vary from year-to-year and farm-to-farm, depending on the level of rainfall, average yields are adjusted to a standard moisture content of 14.5 per cent for cereals and nine per cent for oilseeds. This adjustment ensures there is consistency in estimates of the amount of dry matter which can be extracted from cereal grain and oilseeds.

Production estimates are derived by multiplying crop areas (in hectares) and average yields (in tonnes per hectare). They represent the total tonnage of cereal grain and oilseed that is combine-harvested from the planted area. This tonnage does not include the weight of straw and other plant material which is produced as a by-product and used for other purposes.

When discussing production and area we are referring to estimated totals. When discussing yield we are referring to estimated averages.

Cereal production is estimated to have increased by 107,000 tonnes between 2016 and 2017, to 2.86 million tonnes. The overall four per cent increase in production this year is due to a one per cent increase in areas, and a three per cent increase in yield.

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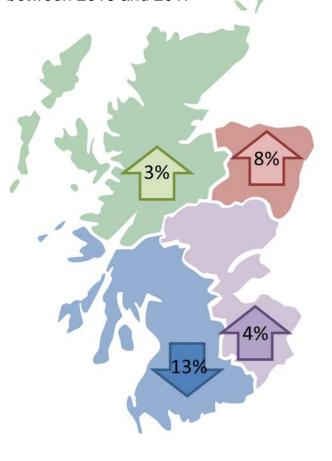
Overall production was up in all regions other than the South West, where it fell 13 per cent, from 220,000 tonnes to 192,000 tonnes.

The South East, which accounts for over half of cereal production in Scotland, saw a four per cent increase in production, with the North East, which acounts for 30 per cent, increasing eight per cent.

Production of winter and spring barley, and oilseed, is up on 2016, while that for wheat and oats declined.

Total cereal production in 2017 was one per cent lower than the average for the decade. The recent 10-year average yield is seven per cent above the previous decade's. Long term increases are likely to be due to improved efficiency in practices, development and use of high yielding varieties.

Changes in cereal production between 2016 and 2017

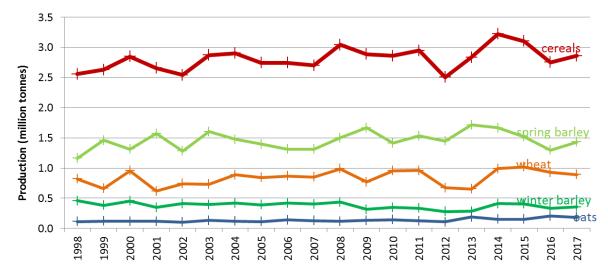


These estimates indicate that, compared with final estimates from the 2016 harvest:

- Spring barley production increased by 11 per cent to 1.4 million tonnes, due to an eight per cent increase in yield and a two per cent increase in the planted area.
- Winter barley production increased by seven per cent to 352,000 tonnes, due to an eight per cent increase in average yield and a one per cent reduction in area.
- Wheat production fell by four per cent to 889,000 tonnes, due to a four per cent fall in yield. Planted area remained unchanged.

- Oat production fell eight per cent on last year's record harvest, to 185,000 tonnes, due to a 12 per cent drop in yield on a five per cent increase in area.
- Oilseed rape production increased by 41 per cent to 144,000 tonnes, due to an 11 per cent increase in area and a 27 per cent increase in yield.

Chart 1: Cereal Production Trends, 1998 to 2017



Harvest Conditions

There was a mixed experience in this year's harvest. The wet weather experienced throughout the summer meant that growing condition were reasonably favourable, as long as it was possible to find a window of a few good days for the crop to dry out and then to get the combine into the field. Those that managed this, particularly in the earlier part of the harvest, managed some excellent yields. However, as the harvest drew on, these opportunities became increasingly difficult to find, which meant others lost substantial amounts of their crop.

10 9 8 tyield (onnes per hectare) Barley 6 3 1 0 1969 1979 2009 2014 1954 2004 1949 1944 1974 1984

Chart 2: Long term trend in yields, 1944-2017

2. Comparison against provisional estimates

Yields have generally been revised downwards since the release of initial estimates in early October. Yields for oilseed have been revised slightly upwards.

- Overall cereal production is estimated at 2.86 million tonnes; 226,000 tonnes or seven per cent below provisional estimates.
- The estimated increase in production of spring barley (up 11 per cent) is less than suggested by provisional estimates (16 per cent).
- Winter barley production rose by 23,000 instead of 42,000 tonnes.
- Wheat production was down four per cent rather than the increase of seven per cent initially estimated.
- Oats have seen an fall of eight per cent, rather than the similarly sized increase initially estimated.
- Oilseed production increased 41 per cent, rather than 38 per cent.

Overall, in the past the difference between provisional and final estimates has been typically around five per cent or lower. Chart 3 shows the differences in yields between the two estimates over the last ten years. Yield estimates of individual cereal crops do sometimes vary by more than five per cent.

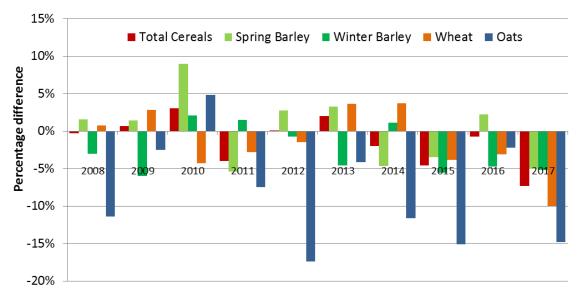
This year the revision to overall cereal yield was higher than normal, at seven per cent. Discussions which produced the initial estimates occurred at the end of September, and were based on data from about 250 farms. While these farmers had been affected by the wet weather, they had nevertheless been able to find windows of a dry few days to get the harvest in. For many of them, yields had been exceptionally high, which led to the very positive initial estimates.

However, it seems that as the harvest continued it became increasingly difficult to find those windows of opportunity, and so much of the later crop was spoiled.

Barley estimates were five per cent out, but wheat production was considerably poorer than initially estimated, with a ten per cent difference. As frequently occurs due to the smaller numbers involved, the estimate for oats differed markedly, this year by 15 per cent.

Chart 3: Cereal Production, Comparison of Provisional v Final Estimates, 2008 to 2017

(below the line means final estimates lower than initial estimates)



Global supply of cereals is set to surpass 2.6 billion tonnes, according to the Food and Agriculture Organization of the UN¹, with total supplies exceeding projected demand and stocks on the rise.

¹ www.fao.org/worldfoodsituation/csdb/en/

3. Cereals

Production

Total cereal production in Scotland is estimated to have increased in 2017 by 107,000 tonnes to 2.86 million tonnes. This is slightly below average for the last ten years. While the volume of the harvest was poorer than expected, and moisture content was particularly high, industry experts collecting data have reported no particular concerns over quality.

In 2016 cereals were estimated to have accounted for about 11 per cent of farm output.

Area

The total cereal area increased 1.2 per cent compared to 2016. About 433,000 hectares of cereals were grown in 2016/17. Areas have ranged between 398,000 hectares in 2006 and 468,000 hectares in 1998.

Chart 4: Production (tonnes)

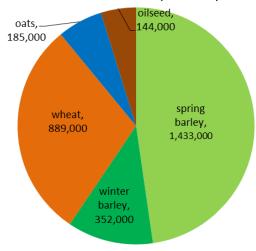
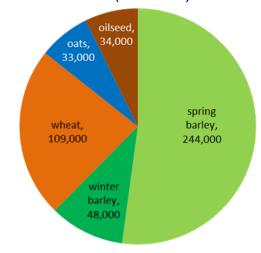


Chart 5: Area (hectares)

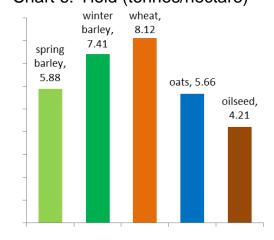


Yield

The overall yield estimate for Scottish cereals is slightly above average for the last decade, at 6.6 tonnes per hectare. The yields for barley and oilseed are estimated to have increased, with the yield for wheat and oats falling.

The long term trend of increasing yields remains, with the recent ten-year average of 6.5 tonnes per hectare three per cent above the previous ten-year

Chart 6: Yield (tonnes/hectare)



average. This long term increase is likely to be due to an improved efficiency in farming practices as well as development and use of higher yielding crop varieties. The shorter term variations in cereal yields are more likely to be influenced by weather and other conditions during the growing season.

Other cereals

Triticale is a marginal crop in Scotland, grown on around 600 hectares. Because there are relatively few farms growing triticale it is difficult to provide reliable yield estimates, and due to its small size we have now discontinued collection.

Rye is increasingly being grown, though mainly for anaerobic digestion.

Oilseed, though not a cereal, is also shown for comparison in the above charts, though is not included in calculations and commentary about cereal totals.

Charts

Chart 7 shows the areas estimated from the June Agricultural Census as bars and the estimated production and estimated average yield as lines. Area is presented in hundreds of hectares, production in thousands of tonnes and yield in tonnes per hectare.

Chart 8 shows the year-on-year change of areas, total production and average yield. This allows the drivers of fluctuations in production to be more easily distinguished and gives a sense of the typical fluctuations from year to year. In chart 8 all measures are presented as the percentage change compared to the previous year.

In the following sections similar charts are used to display the results for each crop group, though the scales of the chart axes are not the same in every case.

Chart 7 - Total Cereals: Area, Yield and Production

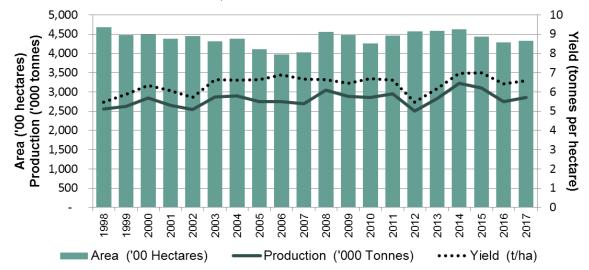
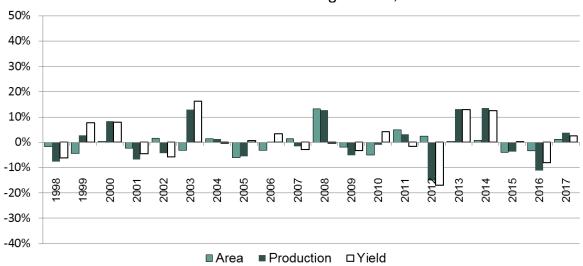


Chart 8 - Total Cereals Year-on-Year Change: Area, Yield and Production



4. Barley

Barley is the predominant cereal crop grown in Scotland, contributing about a quarter of the UK barley production, particularly spring barley which accounted for about a third of the UK total. Despite a strong association with the Scottish whisky industry, as a key ingredient, Scottish barley is also used as animal feed.

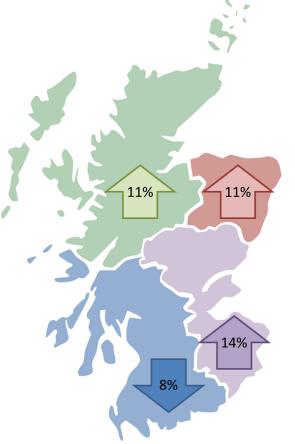
Spring Barley Estimates (charts 9 and 10)

Spring barley production is estimated to have increased by ten per cent in 2017. Over the last 20 years, spring barley production has been following a generally increasing trend. Production reached the highest level over the period in 2013, at 1.71 million tonnes. However, in the last three years spring barley production had been falling each year, by 49,000 tonnes in 2014, a further 144,000 tonnes in 2015, and another 224,000 tonnes in 2016, to 1.30 million tonnes. This year's estimate of 1,433,000 tonnes is 11 per cent higher than 2016, but is still below average for the last decade.

The area of spring barley varies considerably depending on the planting of winter crops, but in 2017 the figure of 244,000 hectares was below average. The average yield for spring barley in 2017 has been estimated at 5.9 tonnes per hectare, the fifth highest on record.

Changes in spring barley production between 2016 and 2017





The longer term trend in yield is an increasing one, with the average over the most recent decade five per cent higher than over the previous 10 years.

Chart 9 - Spring Barley: Area, Yield and Production

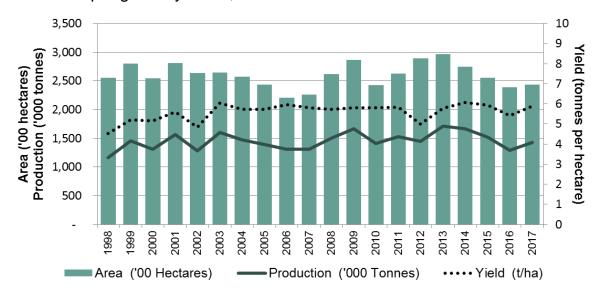
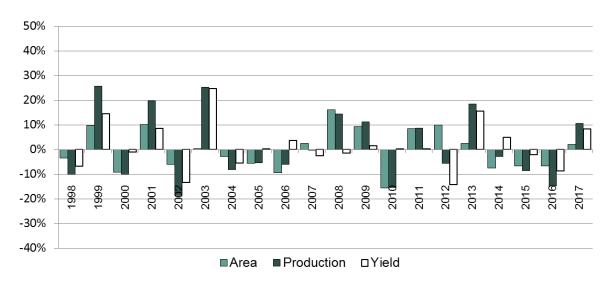


Chart 10 - Spring Barley Year-on-Year Change: Area, Yield and Production



Winter Barley Estimates (charts 11 and 12)

2017 production is estimated to have increased by seven per cent to 352,000 tonnes. This year's estimated increase has been driven by an eight per cent increase in yield, with a one per cent reduction in area.

Winter barley yields have fluctuated considerably in recent years, often affected by the weather. However, the recent ten-year average is three per cent higher than that of the previous decade. The average yield for winter barley in 2017 is estimated at 7.4 tonnes per hectare, above average for the last ten years.

Chart 11 - Winter Barley: Area, Yield and Production

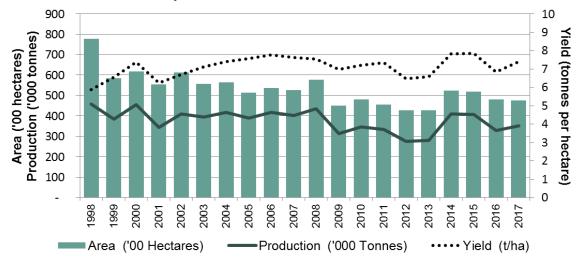
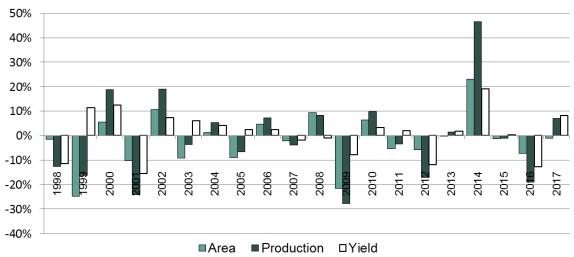


Chart 12 - Winter Barley Year-on-Year Change: Area, Yield and Production



5. Wheat

Scottish wheat is mostly soft wheats; used predominantly for distilling, but is also used for animal feed. Scotland imports hard wheats for milling (for bread making) as our climate does not suit hard wheat varieties.

Wheat Estimates (charts 13 and 14)

While the area of wheat production has remained constant in the last few years, production this year is estimated to have fallen four per cent to 889,000 tonnes. Wheat yields were estimated to have fallen by four per cent.

Wheat yields have not seen the general increases in trend that we see with barley, with the latest ten-year period only being one per cent higher than the previous ten years. At 8.12 tonnes per hectare, this year's estimated yield is below the ten-year average of 8.30.

Chart 13 - Wheat: Area, Yield and Production

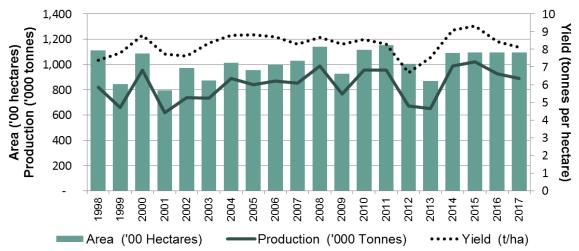
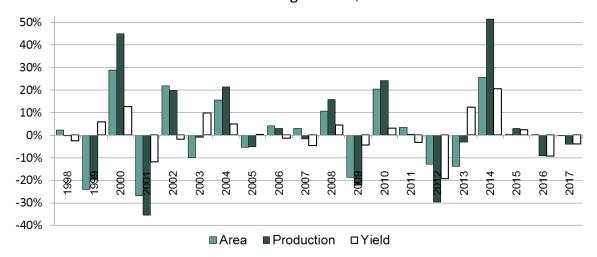


Chart 14 - Wheat Year-on-Year Change: Area, Yield and Production



6. Oats

The majority of oats grown in Scotland are used for milling and further processing for breakfast cereals, oatcakes, porridge oats and oatmeal for secondary processing outwith Scotland. The majority of the remainder is used as specialist feed for horses.

Oats Estimates (charts 13 and 14)

Oat production is estimated to have fallen by eight per cent this year due to a 12 per cent fall in average yield and a five per cent increase in area grown. 2016 had been an exceptional year, and the 2017 figure is still the third highest since the 1970s. Spring oats make up around two thirds of oat production.

This year's average yield is estimated at 5.7 tonnes per hectare, slightly below average for the last ten years, but applied to the highest area since 1989. The average yield for the last ten years is five per cent higher than the previous decade.

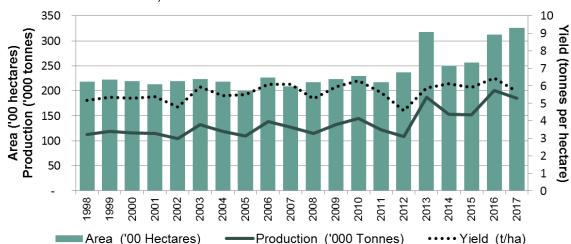


Chart 15 - Oats: Area, Yield and Production

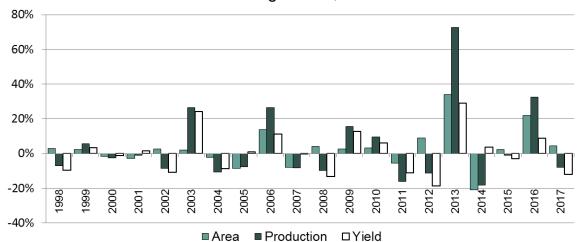


Chart 16 - Oats Year-on-Year Change: Area, Yield and Production

7. Oilseed Rape

The majority of Scottish oilseed rape is winter oilseed rape and is mainly exported for biofuels, with a very small amount processed in Scotland for edible oil.

Oilseed Rape Estimates (charts 17 and 18)

Estimated oilseed rape production in 2017 increased by 41 per cent to 144,000 tonnes, above average for the last ten years. This was due to an 11 per cent increase in area, and a 27 per cent increase in yield to 4.2 tonnes per hectare. Production in 2016 had been a record low.

Over the last 20 years, oilseed rape production has fallen. This is in due to the fall in areas grown outweighing general increases in yields achieved. Fluctuations in yield have been more marked in recent years. The average production over the last ten years is three per cent lower than the previous ten years.

Chart 17 - Oilseed Rape: Area, Yield and Production

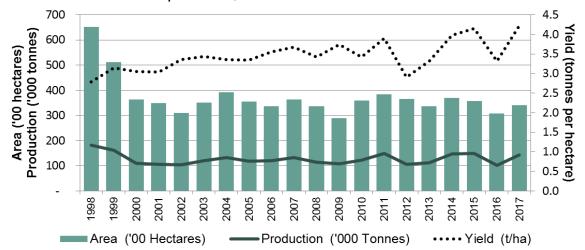
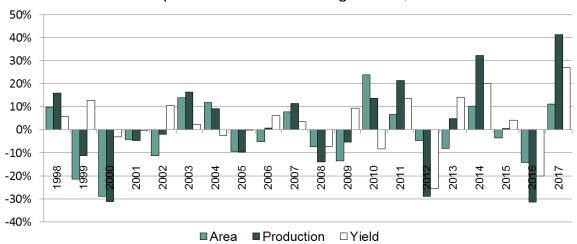


Chart 18 – Oilseed Rape Year-on-Year Change: Area, Yield and Production



8. Methodology and Quality Note

This section provides a summary of information on these statistics against five dimensions of quality, based on the European Statistical System (ESS) quality framework: Relevance; Accuracy; Timeliness and Punctuality; Accessibility and Clarity; and Comparability. The Scottish Government adheres to the Code of Practice for Official Statistics and the National Statistician's guidance on quality. In addition the Scottish Government provides its own guidance on quality, which is available to view at the Scottish Government's Statistics internet pages.

Further information on quality:

- Code of Practice for Official Statistics
- National Statistician's Guidance on Quality
- Scottish Government's Corporate Policy Statement
- Scottish Government Guide to basic quality assurance
- European Statistics Code of Practice (including quality framework)

Methodology

The 2017 final estimates of production are based mainly on final yield results from the 2017 Cereal Production Survey (CPS) and final crop areas from the 2017 June Census. The CPS is a disproportionate stratified random sample of around 669 farms in Scotland, stratified by region. The construction of the sample is based on the Neyman Allocation which apportions larger sample sizes to the strata with the most variation in yields.

In 2017, the number of holdings submitting a return for Spring Barley was 386, Winter Barley was 129, Wheat was 191, Oats was 121 and Oilseed Rape was 156. For some regions relatively few returns were received for some crops.

Totals of sample production and sample crop area for each stratum (i.e. crop and region combination) are used to derive a sample estimate of yield. These yield values are applied to national crop areas from the June Agricultural Census to provide national estimates of production. Where sample sizes for strata are insufficient to calculate production results national average yield estimates for the crop are used to calculate estimates of production.

Regional results for winter oats and spring oilseed rape were generally based on national averages.

The Cereal Production Survey is carried out by Rural and Environment Science & Analytical Services (RESAS) within the Scottish Government (SG).

The survey is carried out by mail and by telephone. Completed returns are analysed by RESAS.

The data undergo several validation processes as follows; (i) checking for any obvious errors on the paper survey forms upon receipt, (ii) cross checking against Census area data and internal validation within survey forms to ensure totals match, (iii) results are standardised to 14.5 per cent moisture content for cereals and nine per cent moisture content for oilseed rape, (iv) assessing data for any extreme yield values and removing if necessary, (v) if required, area offices are contacted to ensure that data is correct.

Data quality and assurance measures used for June Census area data are contained in <u>Final Results from the 2017 June Agricultural Census.</u>

Provisional Estimates – published on 4th October 2017

The provisional estimates were derived from yield values of individual growers collated by several industry bodies. More information on the methodology and results of the 2017 first estimates of the cereal and oilseed rape harvest can be found in the <u>first estimates of the cereal and oilseed rape harvest</u> release.

Relevance

The degree to which the statistical product meets user needs for both coverage and content.

The cereal estimates are produced for a wide range of purposes. The statistics help the government to form, monitor and evaluate policy, and to assess the economic well-being of the cereal sector. They are also required by law by the Statistical Office of the European Communities, as the information is essential for management of the EU markets. These early provisional estimates are timed to enable provision of data for an EU regulatory deadline. Specific regulations are listed on pages 3 to 5 of our 2014/16 annual statistics plan.

The production estimates also feed into the <u>UK cereals balance sheet</u>, which provides an independent, unbiased, timely and comprehensive picture of the supply and demand position of the UK cereal market. The balance sheet is also the prime tool for tracking new developments in the UK cereals industry and determining their impact on the market. The balance sheet is widely used by policy makers, the EU Commission and the wider cereals industry. The balance sheets are published by the Home Grown Cereals Authority (HGCA).

User Feedback

Though we are not aware of any unmet user needs in relation to these statistics, the Scottish Government is always interested to hear from users about what is most relevant to them and welcomes feedback from users of these statistics. Contact details are available from the Agriculture Statistics contacts webpage.

Details of both current and past user consultations are available on the Agriculture Statistics consultations webpage.

Accuracy

The closeness between an estimated result and the (unknown) true value.

The number of agricultural holdings surveyed in the CPS was 669 in 2017. Usable returns were received for 457 of these; a response rate of 68 per cent. Although 457 holdings participated, many holdings grow more than one crop. The total number of returns received for all crops combined was 883, this equates to seven per cent of cereal crop numbers, and six per cent of the relevant planted areas in Scotland.

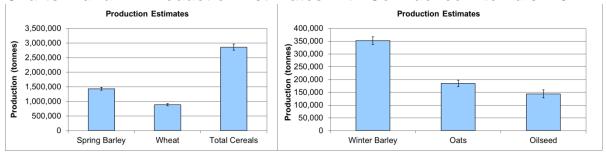
The results from the CPS have a margin of error associated with them, reflecting the error resulting from sampling. Sampling error is the difference between the estimate derived from a sample survey and the true value that would result if a census of the whole population were taken under the same conditions.

The sampling error can be estimated and used to produce confidence intervals around the survey results. These intervals tell us the range of values within which the true value lies, with a given degree of confidence. The intervals below are 95 per cent confidence intervals; this means that if the sample survey was repeated a large number of times, 95 per cent of the resulting estimates would lie within the intervals around our sample estimates. For example, there is a 95% chance that the true production value for all cereals in Scotland will lie within the range of 2.859 million tonnes ±123,000 tonnes. Charts A and B, below, show the main production estimates marked with the upper and lower bounds of the associated confidence intervals. This is shown on two charts with different scales to allow results to be viewed clearly.

Table A – 95% Confidence Intervals for 2017 CPS Estimates

| Crop | Number of Holdings (June Census) | Sam ple Size | Sam nlina % | Production ('000 tonnes) | | Confidence Limits (%) |
|----------------------------|-------------------------------------|-----------------|-------------|--------------------------|------|--------------------------|
| Total Cereals ¹ | 8,546 | 810 | 9.48 | 2,859 | ±123 | ±4.31 |
| Spring Barley | 7,158 | 368 | 5.14 | 1,433 | ±48 | ±3.34 |
| Winter Barley | 1,896 | 129 | 6.80 | 352 | ±20 | ±5.7 |
| Wheat | 2,879 | 191 | 6.63 | 889 | ±39 | ±4.42 |
| Oats | 1,821 | 121 | 6.64 | 185 | ±16 | ±8.69 |
| Oilseed Rape | 1,154 | 74 | 6.41 | 144 | ±9 | ±6.29 |

Charts A and B - Production Estimates with Confidence Intervals: 2017



Area data are sourced from the June Agricultural Census and are assumed to be accurate as farmers face financial penalties for supplying incorrect information.

Comparison of provisional and final results

This section compares past provisional estimates of the harvest to the final estimates of the harvest. Provisional estimates are derived from averaged yield estimates of growers, collated through the cooperation of several organisations within the agricultural sector, applied to crop area estimates from the June Agricultural Census. Final estimates are derived from average yields from the Cereal Production Survey (CPS). The purpose of this section is to quantify the size and direction of the differences between the two estimates in order to give an indication of the robustness of these provisional estimates.

The results from the CPS have a margin of error associated with them, reflecting the error resulting from sampling. Sampling error is the difference between the estimate derived from a sample survey and the true value that would result if a census of the whole population were taken under the same conditions. The intervals were calculated as 95 per cent confidence intervals, meaning that there was a 95 per cent chance that the true population value was within the resulting interval.

The 2017 initial estimate of overall production was outwith the 95 per cent confidence interval. Only winter barley and oilseed estimates were with their confidence intervals. This suggests that initial 2017 figures from the Crop Report Meeting did not provide as reasonable an estimate as normal of Scottish cereal production. See section 2 for an explanation of why this may have occurred.

It can be seen from Chart 3 (earlier in the publication) that in the last ten years the provisional estimate of the total cereal harvest has generally been within five per cent of the final estimate. In 2017 the difference between total cereal estimates from the two sources was seven per cent. In most years, the largest differences between provisional and final production estimates are for oats (due to the smaller number of producers), with the largest difference being 17 per cent in 2012. This year the largest difference was again oats, with a 15 per cent difference.

Timeliness and Punctuality

Timeliness refers to the lapse of time between publication and the period to which the data refer.

To provide reliable estimates of the year-on-year changes in production, the CPS is carried out at the same time each year. The reference date for the CPS, the date at which respondents are asked for production information, is the 31st October each year. However, respondents are asked to make estimates for any crop still to be harvested. Typically, at the end of October the vast majority of the Scottish cereal and oilseed rape harvest is complete, allowing for reliable estimates to be made.

The release of results is completed within six weeks of this date, to allow sufficient time for data collection, processing, quality assurance and compilation, preparation and dissemination of final results.

Punctuality refers to the time lag between the actual and planned dates of publication.

The results of the 2017 CPS were released on the scheduled date of 13th December 2017.

Accessibility and Clarity

Accessibility is the ease with which users are able to access the data. It also relates to the format(s) in which the data are available and the availability of supporting information.

Clarity refers to the quality and sufficiency of the metadata, illustrations and accompanying advice.

These statistics are made available online at the Scottish Government's statistics website in accessible formats (html and pdf versions are available) www.gov.scot/agricstats

All data tables are made available in excel format to allow users to carry out further analysis. Methodological notes and additional notes to tables, identifying specific quality issues, are included in this document, which is available online and linked to from all National Statistics outputs containing cereal production estimates. Links to other UK Agriculture Statistics outputs are available at

<u>www.gov.uk/government/organisations/department-for-environment-food-rural-affairs/about/statistics</u>

Comparability

The degree to which data can be compared over time and domain.

Results for England, Wales and Northern Ireland are compiled on a comparable basis with Scottish estimates.

The EC regularly produces estimates of cereal and oilseed production both EU-27 countries and individual countries. Further information on EC cereal statistics is available at the Eurostat website.

Typically EC results are published later than Scottish or UK results due to the additional time required to collate, validate and analyse data from several countries. Users interested in comparing results between countries should evaluate the relevant methodologies of sources used.

Respondent Burden (the estimated overall cost to respondents)

The estimated respondent burden is calculated as the total number of survey responses (A), multiplied by the median time taken to respond to the survey (B), multiplied by the median average hourly wage of typical respondents (C). (A x B x C)

(A) The 2017 Cereal Production Survey (CPS) surveyed 457 holdings.

The time taken to respond to the survey varies with each respondent. Scottish Government (SG) Rural Payments and Inspections Directorate (RPID) staff conducting the 2014 survey were asked to provide estimates of the average time taken to administer the telephone survey. The median time to respond in hours was calculated from these responses.

- (B) The median time taken to respond to the survey is 0.083 hours.
- Respondents to the CPS are usually farm owners themselves or farm managers. Both are usually full-time workers.
- (C) The estimated median hourly pay rate for full-time employees in Scotland in 2017 was £9.50 (source: Scottish Agriculture Hours and Earnings Survey)

The respondent burden for CPS data collection in 2017 was

 $457 \times 0.083 \times £9.50 = £360$

Related publications

<u>First estimates of the Cereal and Oilseed Rape Harvest</u>
<u>Economic Report on Scottish Agriculture</u> (ERSA) contains Cereal usage figures derived from the CPS survey. These were last published in June 2016, with spreadsheet tables published in June 2017.
<u>Agriculture statistics publications</u> contains all published results from Scottish Government agricultural surveys.

9. Reference Tables

Table 1: Cereal Area, Yield and Production 2016 and 2017

| | | 2016 | | | 2017 | | % change 2016/20 | | | |
|-------------------------------|----------------------|-----------------|----------------------|----------------------|-----------------|----------------------|------------------|--------|-------|--|
| | Area (000 ha) | Yield (t/ha) | Prod. (000 t) | Area (000 ha) | Yield (t/ha) | Prod. (000 t) | Area | Yield | Prod. | |
| Wheat | 110 | 8.4 | 926 | 109 | 8.1 | 889 | -0.1% | -3.9% | -4.0% | |
| Winter Barley | 48 | 6.8 | 329 | 48 | 7.4 | 352 | -1.1% | 8.3% | 7.1% | |
| Spring Barley | 239 | 5.4 | 1,296 | 244 | 5.9 | 1,433 | 2.1% | 8.3% | 10.5% | |
| Total Barley | 287 | 5.7 | 1,625 | 291 | 6.1 | 1,785 | 1.5% | 8.2% | 9.8% | |
| Oats | 31 | 6.4 | 201 | 33 | 5.7 | 185 | 4.5% | -12.0% | -8.0% | |
| Total Cereals ¹ | 428 | 6.4 | 2,752 | 433 | 6.6 | 2,859 | 1.2% | 2.6% | 3.9% | |
| Oilseed Rape | 31 | 3.3 | 102 | 34 | 4.2 | 144 | 11.2% | 27.1% | 41.4% | |

⁽¹⁾ Includes Triticale in 2016

Table 2: Cereal Area, Yield and Production 1998 to 2017

| | To | otal cere | als ⁽¹⁾ | ; | Spring bar | ley | V | Vinter bar | ley | | Wheat | | | Oats | |
|------|-----------|-----------|--------------------|-----------|------------|------------|-----------|------------|------------|-----------|--------|------------|-----------|--------|------------|
| Year | Area | Yield | Production | Area | Yield | Production | Area | Yield | Production | Area | Yield | Production | Area | Yield | Production |
| | (Hectare) | (t/ha) | (Tonnes) | (Hectare) | (t/ha) | (Tonnes) | (Hectare) | (t/ha) | (Tonnes) | (Hectare) | (t/ha) | (Tonnes) | (Hectare) | (t/ha) | (Tonnes) |
| 1998 | 468,154 | 5.46 | 2,556,349 | 255,822 | 4.54 | 1,160,886 | 77,705 | 5.89 | 457,320 | 111,172 | 7.37 | 819,316 | 21,784 | 5.16 | 112,470 |
| 1999 | 447,236 | 5.88 | 2,629,266 | 280,546 | 5.20 | 1,459,163 | 58,442 | 6.56 | 383,414 | 84,476 | 7.80 | 659,177 | 22,278 | 5.34 | 118,971 |
| 2000 | 448,720 | 6.34 | 2,846,939 | 254,718 | 5.15 | 1,311,105 | 61,678 | 7.38 | 455,349 | 108,853 | 8.79 | 956,432 | 21,927 | 5.28 | 115,874 |
| 2001 | 438,623 | 6.06 | 2,656,550 | 280,786 | 5.59 | 1,570,617 | 55,319 | 6.24 | 345,045 | 79,680 | 7.74 | 616,970 | 21,333 | 5.37 | 114,630 |
| 2002 | 445,512 | 5.70 | 2,540,349 | 263,914 | 4.85 | 1,279,984 | 61,234 | 6.70 | 410,268 | 97,192 | 7.60 | 738,662 | 21,907 | 4.79 | 104,897 |
| | | | | | | | | | | | | | | | |
| 2003 | 431,720 | 6.63 | 2,870,410 | 264,920 | 6.05 | 1,603,596 | 55,649 | 7.11 | 395,428 | 87,498 | 8.36 | 731,351 | 22,340 | 5.95 | 132,822 |
| 2004 | 438,039 | 6.61 | 2,904,878 | 257,462 | 5.72 | 1,473,709 | 56,348 | 7.40 | 416,719 | 101,126 | 8.78 | 888,156 | 21,831 | 5.44 | 118,688 |
| 2005 | 411,329 | 6.65 | 2,742,230 | 243,298 | 5.74 | 1,396,231 | 51,341 | 7.58 | 388,938 | 95,595 | 8.81 | 841,744 | 19,955 | 5.49 | 109,505 |
| 2006 | 398,050 | 6.87 | 2,744,088 | 220,639 | 5.95 | 1,313,527 | 53,762 | 7.76 | 417,444 | 99,681 | 8.70 | 867,053 | 22,682 | 6.10 | 138,391 |
| 2007 | 403,493 | 6.67 | 2,699,921 | 226,019 | 5.80 | 1,312,003 | 52,625 | 7.63 | 401,377 | 102,744 | 8.30 | 852,603 | 20,868 | 6.08 | 126,887 |
| | | | | | | | | | | | | | | | |
| 2008 | 456,547 | 6.65 | 3,043,330 | 262,322 | 5.72 | 1,500,118 | 57,612 | 7.55 | 435,085 | 113,797 | 8.68 | 987,256 | 21,720 | 5.27 | 114,515 |
| 2009 | 447,554 | 6.44 | 2,887,132 | 287,011 | 5.81 | 1,668,240 | 45,149 | 6.97 | 314,527 | 92,482 | 8.30 | 767,651 | 22,299 | 5.95 | 132,570 |
| 2010 | 425,496 | 6.71 | 2,857,814 | 242,364 | 5.82 | 1,410,270 | 48,010 | 7.20 | 345,615 | 111,436 | 8.55 | 953,239 | 23,000 | 6.31 | 145,117 |
| 2011 | 446,181 | 6.60 | 2,948,871 | 262,948 | 5.83 | 1,532,979 | 45,477 | 7.34 | 333,623 | 115,412 | 8.29 | 956,985 | 21,715 | 5.61 | 121,826 |
| 2012 | 456,902 | 5.48 | 2,507,016 | 289,222 | 5.00 | 1,446,950 | 42,816 | 6.46 | 276,511 | 100,637 | 6.69 | 673,288 | 23,672 | 4.57 | 108,249 |
| | | | | | | | | | | | | | | | |
| 2013 | 458,219 | 6.19 | 2,836,836 | 296,444 | 5.78 | 1,713,548 | 42,694 | 6.57 | 280,511 | 86,840 | 7.52 | 652,933 | 31,728 | 5.89 | 187,021 |
| 2014 | 462,123 | 6.97 | 3,221,284 | 274,377 | 6.07 | 1,664,905 | 52,507 | 7.82 | 410,765 | 109,023 | 9.07 | 989,347 | 25,050 | 6.10 | 152,924 |
| 2015 | 443,564 | 6.99 | 3,100,624 | 255,878 | 5.94 | 1,520,756 | 51,808 | 7.84 | 406,169 | 109,562 | 9.30 | 1,019,182 | 25,615 | 5.92 | 151,569 |
| 2016 | 428,348 | 6.43 | 2,752,412 | 238,899 | 5.43 | 1,296,481 | 48,031 | 6.84 | 328,766 | 109,594 | 8.45 | 925,992 | 31,210 | 6.44 | 200,936 |
| 2017 | 433,460 | 6.60 | 2,859,045 | 243,838 | 5.88 | 1,432,815 | 47,509 | 7.41 | 352,108 | 109,489 | 8.12 | 889,308 | 32,625 | 5.66 | 184,813 |

⁽¹⁾ Includes Triticale except for 2017

Lowest value in series

Highest value in series

Table 3: Oilseed rape Area, Yield and Production 1998 to 2017

| Λ | V: - I -I | Dan direttan |
|-----------|---|--|
| | | Production |
| (Hectare) | (t/ha) | (Tonnes) |
| 65,117 | 2.8 | 181,587 |
| 51,173 | 3.1 | 161,070 |
| 36,406 | 3.0 | 110,993 |
| 34,850 | 3.0 | 105,893 |
| 30,901 | 3.4 | 103,823 |
| | | |
| 35,163 | 3.4 | 120,847 |
| 39,316 | 3.4 | 131,906 |
| 35,591 | 3.3 | 119,117 |
| 33,743 | 3.6 | 120,030 |
| 36,334 | 3.7 | 133,657 |
| | | |
| 33,623 | 3.4 | 114,902 |
| 29,043 | 3.7 | 108,605 |
| 36,002 | 3.4 | 123,334 |
| 38,388 | 3.9 | 149,627 |
| 36,611 | 2.9 | 106,420 |
| | | |
| 33,653 | 3.3 | 111,652 |
| 37,073 | 4.0 | 147,570 |
| 35,797 | 4.1 | 148,491 |
| 30,731 | 3.3 | 101,862 |
| 34,187 | 4.2 | 144,038 |
| | 51,173 36,406 34,850 30,901 35,163 39,316 35,591 33,743 36,334 33,623 29,043 36,002 38,388 36,611 33,653 37,073 35,797 30,731 | (Hectare) (t/ha) 65,117 2.8 51,173 3.1 36,406 3.0 34,850 3.0 30,901 3.4 35,163 3.4 39,316 3.4 35,591 3.3 33,743 3.6 36,334 3.7 33,623 3.4 29,043 3.7 36,002 3.4 38,388 3.9 36,611 2.9 33,653 3.3 37,073 4.0 35,797 4.1 30,731 3.3 |

Lowest value in series

Highest value in series

Table 4: Regional Production Estimates by Crop 2008 to 2017

| | | | | | | | | _ | | | | Change | Change |
|---|------------|---|------------------------|-----------|---|-----------|-----------|-----------|-----------|---|-----------|---------|--------------------|
| Crop | Region | | | | | | | | | | | since | since |
| | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2016 | 2016 (%) |
| | North East | 941,831 | 932,639 | 874,701 | 957,593 | 839,960 | 948,585 | 1,060,532 | 950,180 | 835,527 | 900,457 | 64,930 | 7.8 |
| Total | North West | 237,657 | 218,342 | 212,988 | 227,186 | 192,847 | 210,234 | 215,332 | 203,092 | 196,239 | 201,904 | 5,665 | 2.9 |
| | South East | 1,591,155 | 1,464,531 | 1,475,422 | 1,518,020 | 1,209,637 | 1,414,053 | 1,667,435 | 1,709,136 | 1,500,630 | 1,564,287 | 63,657 | 4.2 |
| Cereals | South West | 272,688 | 271,620 | 294,702 | 246,073 | 264,572 | 263,963 | 277,985 | 238,216 | 220,016 | 192,398 | -27,619 | -12.6 |
| | AII | 3,043,330 | 2,887,132 | 2,857,814 | | 2,507,016 | | | | | 2,859,045 | 106,633 | 3.9 |
| | North East | 588,277 | 629,606 | 551,615 | 644,595 | 584,727 | 691,714 | 709,866 | 622,998 | 542,973 | 602,077 | 59,104 | 10.9 |
| | North West | 172,649 | 167,527 | 153,393 | 169,638 | 149,283 | 157,325 | 159,443 | 150,010 | 138,020 | 153,172 | 15,152 | 11.0 |
| Spring | South East | 585,758 | 690,933 | 533,713 | 576,634 | 529,601 | 689,542 | 642,499 | 625,805 | 504,709 | 575,426 | 70,717 | 14.0 |
| Barley | South West | 153,434 | 180,174 | 171,549 | 142,112 | 183,338 | 174,968 | 153,096 | 121,944 | 110,779 | 102,140 | -8,640 | -7.8 |
| | All | 1,500,118 | 1,668,240 | 1,410,270 | 1,532,979 | 1,446,950 | 1,713,548 | | | | 1,432,815 | 136,334 | 10.5 |
| | North East | 182,472 | 136,192 | 152,141 | 133,527 | 119,635 | 127,372 | 174,251 | 159,008 | | 133,528 | 5,893 | 4.6 |
| | North West | 12,063 | 8,654 | 7,832 | 8,556 | 7,024 | 9,012 | 12,115 | 10,971 | 8,639 | 7,426 | -1,213 | -14.0 |
| winter | South East | 198,485 | 143,623 | 151,035 | 160,807 | 133,745 | 123,321 | 192,206 | | 156,192 | 177,924 | 21,732 | 13.9 |
| Rariev I | South West | , | | | | | 20,806 | | 197,115 | | | | |
| | All | 42,065 435,085 | 26,057 | 34,607 | 30,733 333,623 | 16,107 | 280,511 | 32,192 | 39,074 | 36,301 328,766 | 33,230 | -3,070 | -8.5 7.1 |
| | North East | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 314,527 765,798 | 345,615 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 276,511 | ~~~~ | 410,765 | 406,169 | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 352,108 | 23,342 | 9.7 |
| | | 770,749 | | 703,756 | 778,122 | 704,363 | 819,086 | 884,118 | 782,006 | 670,608 | 735,606 | 64,998 | |
| Total | North West | 184,712 | 176,181 | 161,225 | 178,194 | 156,307 | 166,337 | 171,558 | 160,981 | 146,659 | 160,598 | 13,939 | 9.5 |
| Barley | South East | 784,243 | 834,556 | 684,748 | 737,441 | 663,346 | 812,863 | 834,706 | 822,920 | 660,901 | 753,350 | 92,449 | 14.0 |
| - | South West | 195,499 | 206,231 | 206,156 | 172,845 | 199,445 | 195,773 | 185,289 | 161,018 | 147,080 | 135,370 | -11,710 | -8.0 |
| *************************************** | All | 1,935,204 | 1,982,767 | 1,755,885 | 1,866,602 | 1,723,461 | | 2,075,670 | | | 1,784,923 | 159,676 | 9.8 |
| | North East | 146,841 | 141,131 | 144,675 | 154,766 | 122,012 | 100,154 | 152,263 | 140,273 | 123,476 | 125,646 | 2,170 | 1.8 |
| | North West | 36,877 | 26,692 | 36,759 | 34,806 | 26,334 | 30,246 | 32,184 | 27,527 | 30,398 | 24,492 | -5,906 | -19.4 |
| Wheat | South East | 742,307 | 552,817 | 703,342 | 711,691 | 479,249 | 478,853 | 733,227 | 790,884 | 718,955 | 696,407 | -22,548 | -3.1 |
| | South West | 61,231 | 47,012 | 68,463 | 55,722 | 45,693 | 43,680 | 71,673 | 60,498 | 53,163 | 42,764 | -10,399 | -19.6 |
| | All | 987,256 | 767,651 | 953,239 | 956,985 | 673,288 | 652,933 | 989,347 | | 925,992 | 889,308 | -36,683 | -4.0 |
| | North East | 19,780 | 21,328 | 23,147 | 21,653 | 11,547 | 28,029 | 21,536 | 24,817 | 38,206 | 35,510 | -2,697 | -7.1 |
| Spring | North West | 13,277 | 13,344 | 13,257 | 13,250 | 9,320 | 13,051 | 10,442 | 13,330 | 18,121 | 15,943 | -2,178 | -12.0 |
| Oats | South East | 30,797 | 45,837 | 44,185 | 27,932 | 39,392 | 88,581 | 47,416 | 49,541 | 65,770 | 56,378 | -9,392 | -14.3 |
| | South West | 10,187 | 15,227 | 13,999 | 11,923 | 16,352 | 20,940 | 15,641 | 11,658 | 15,403 | 12,407 | -2,996 | -19.4 |
| | All | 74,041 | 95,735 | 94,588 | 74,759 | 76,611 | 150,601 | 95,034 | 99,346 | 137,501 | 120,238 | -17,263 | -12.6 |
| | North East | 3,422 | 2,184 | 2,342 | 2,241 | 1,525 | 1,126 | 2,565 | 3,000 | 3,218 | 3,696 | 478 | 14.9 |
| Winter | North West | 2,669 | 1,241 | 1,655 | 916 | 872 | 582 | 1,126 | 1,229 | 1,011 | 872 | -140 | -13.8 |
| Oats | South East | 30,359 | 31,228 | 41,893 | 39,765 | 27,036 | 32,563 | 50,332 | 44,514 | 54,836 | 58,151 | 3,316 | 6.0 |
| | South West | 4,023 | 2,183 | 4,639 | 4,144 | 2,205 | 2,150 | 3,867 | 3,480 | 4,370 | 1,856 | -2,514 | -57.5 |
| | All | 40,474 | 36,835 | 50,529 | 47,067 | 31,638 | 36,420 | 57,890 | 52,223 | 63,435 | 64,575 | 1,140 | 1.8 |
| | North East | 23,202 | 23,512 | 25,489 | 23,894 | 13,072 | 29,154 | 24,100 | 27,817 | 41,424 | 39,205 | -2,219 | -5.4 |
| Total | North West | 15,946 | 14,584 | 14,912 | 14,167 | 10,192 | 13,632 | 11,567 | 14,559 | 19,132 | 16,814 | -2,318 | -12.1 |
| Oats | South East | 61,157 | 77,065 | 86,078 | 67,698 | 66,428 | 121,144 | 97,748 | 94,055 | 120,606 | 114,530 | -6,076 | -5.0 |
| outo | South West | 14,210 | 17,409 | 18,638 | 16,067 | 18,557 | 23,090 | 19,508 | 15,138 | 19,773 | 14,264 | -5,510 | -27.9 |
| | All | 114,515 | 132,570 | 145,117 | 121,826 | 108,249 | 187,021 | 152,924 | 151,569 | 200,936 | 184,813 | -16,123 | -8.0 |
| | North East | 1,642 | 448 | 1,222 | 561 | 256 | 443 | 131 | 358 | 346 | 62 | -284 | -82.1 |
| | North West | 119 | 343 | 416 | 275 | 34 | 373 | 56 | 173 | 125 | 38 | -87 | -69.6 |
| | South East | 1,579 | 2,941 | 2,441 | 1,694 | 839 | 3,320 | 906 | 1,022 | 717 | 309 | -407 | -56.9 |
| Rape | South West | 183 | 262 | 363 | 351 | 293 | 350 | 226 | 110 | 35 | 75 | 40 | 113.5 |
| | All | 3,523 | 3,994 | 4,441 | 2,881 | 1,421 | 4,487 | 1,319 | 1,664 | 1,223 | 485 | -738 | -60.4 |
| | North East | 37,627 | 47,613 | 41,395 | 49,345 | 40,443 | 44,819 | 46,904 | 43,382 | 27,030 | 51,605 | 24,576 | 90.9 |
| Winter | North West | 4,082 | 5,866 | 6,192 | 7,483 | 5,000 | 6,272 | 7,867 | 7,540 | 6,583 | 8,237 | 1,653 | 25.1 |
| Oilseed | South East | 67,763 | 49,371 | 70,001 | 86,982 | 58,157 | 55,319 | 89,375 | 93,809 | 64,927 | 81,321 | 16,395 | 25.3 |
| Rape | South West | 1,907 | 1,761 | 1,304 | 2,937 | 1,398 | 755 | 2,106 | 2,096 | 2,099 | 2,390 | 291 | 13.9 |
| | All | 111,380 | 104,611 | 118,893 | 146,746 | 104,998 | 107,166 | 146,251 | 146,827 | 100,639 | 143,553 | 42,915 | 42.6 |
| | North East | 39,268 | 48,061 | 42,617 | 49,906 | 40,698 | 45,263 | 47,035 | 43,740 | 27,376 | 51,667 | 24,292 | 88.7 |
| | North West | 4,202 | 6,210 | 6,608 | 7,758 | 5,034 | 6,645 | 7,923 | 7,714 | 6,709 | 8,275 | 1,566 | 23.3 |
| Oilseed | South East | 69,342 | 52,312 | 72,442 | 88,676 | 58,996 | 58,639 | 90,281 | 94,831 | 65,643 | 81,631 | 15,987 | 24.4 |
| | South West | 2,090 | 2,023 | 1,667 | 3,288 | 1,691 | 1,105 | 2,332 | 2,206 | 2,134 | 2,465 | 331 | 15.5 |
| • | All | 114,902 | 108,605 | 123,334 | 149,627 | 106,420 | 111,652 | 147,570 | 148,491 | 101,862 | 144,038 | 42,176 | 41.4 |

Regional estimates for some of the smaller crops are subject to very wide uncertainty

Table 5: Cereals - Comparison of Provisional and Final Estimates 2008 to 2017 (Percentage differences are of Final minus Provisional)

Area

| Area | | | | | | | | | | | | | T | | |
|------|-------------|--------------|------------|-------------|---------------|------------|---------------|--------|------------|-------------|---------|------------|-------------|--------|------------|
| | Т | otal cereals | ; | | Spring barley | y | Winter barley | | | | Wheat | | | Oats | |
| | | | Percentage | | | Percentage | | | Percentage | | | Percentage | | | Percentage |
| Year | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference |
| 2008 | 455,830 | 456,547 | 0.2% | 261,890 | 262,322 | 0.2% | 57,520 | 57,612 | 0.2% | 113,649 | 113,797 | 0.1% | 21,670 | 21,720 | 0.2% |
| 2009 | 447,554 | 447,554 | 0.0% | 287,011 | 287,011 | 0.0% | 45,149 | 45,149 | 0.0% | 92,482 | 92,482 | 0.0% | 22,299 | 22,299 | 0.0% |
| 2010 | 424,492 | 425,496 | 0.2% | 241,758 | 242,364 | 0.3% | 47,939 | 48,010 | 0.1% | 111,269 | 111,436 | 0.1% | 22,299 | 23,000 | 3.1% |
| 2011 | 446,181 | 446,181 | 0.0% | 262,948 | 262,948 | 0.0% | 45,477 | 45,477 | 0.0% | 115,412 | 115,412 | 0.0% | 21,715 | 21,715 | 0.0% |
| 2012 | 456,901 | 456,902 | 0.0% | 289,222 | 289,222 | 0.0% | 42,816 | 42,816 | 0.0% | 100,637 | 100,637 | 0.0% | 23,672 | 23,672 | 0.0% |
| 2013 | 458,219 | 458,219 | 0.0% | 296,444 | 296,444 | 0.0% | 42,694 | 42,694 | 0.0% | 86,840 | 86,840 | 0.0% | 31,728 | 31,728 | 0.0% |
| 2014 | 461,477 | 462,123 | 0.1% | 274,377 | 274,377 | 0.0% | 52,507 | 52,507 | 0.0% | 109,023 | 109,023 | 0.0% | 25,050 | 25,050 | 0.0% |
| 2015 | 443,127 | 443,564 | 0.1% | 255,642 | 255,878 | 0.1% | 51,770 | 51,808 | 0.1% | 109,476 | 109,562 | 0.1% | 25,613 | 25,615 | 0.0% |
| 2016 | 428,348 | 428,348 | 0.0% | 238,899 | 238,899 | 0.0% | 48,031 | 48,031 | 0.0% | 109,594 | 109,594 | 0.0% | 31,210 | 31,210 | 0.0% |
| 2017 | 433,455 | 433,460 | 0.0% | 243,838 | 243,838 | 0.0% | 47,502 | 47,509 | 0.0% | 109,492 | 109,489 | 0.0% | 32,624 | 32,625 | 0.0% |

| <u>Yield</u> | | | | | | | | | | | | | | | | | |
|--------------|-------------|--------------|------------|-------------|---------------|------------|-------------|---------------|------------|-------------|-------|------------|-------------|-------|------------|--|--|
| | Т | otal cereals | | | Spring barley | y | | Winter barley | | | Wheat | | | Oats | | | |
| | | | Percentage | | | Percentage | | | Percentage | | | Percentage | | | Percentage | | |
| Year | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference | | |
| 2008 | 6.67 | 6.65 | -0.3% | 5.63 | 5.72 | 1.6% | 7.79 | 7.55 | -3.1% | 8.61 | 8.68 | 0.8% | 5.95 | 5.27 | -11.4% | | |
| 2009 | 6.40 | 6.44 | 0.7% | 5.73 | 5.81 | 1.4% | 7.41 | 6.97 | -6.0% | 8.07 | 8.30 | 2.9% | 6.10 | 5.95 | -2.5% | | |
| 2010 | 6.51 | 6.71 | 3.0% | 5.34 | 5.82 | 9.0% | 7.05 | 7.20 | 2.1% | 8.94 | 8.55 | -4.3% | 6.02 | 6.31 | 4.8% | | |
| 2011 | 6.88 | 6.60 | -4.0% | 6.16 | 5.83 | -5.4% | 7.23 | 7.34 | 1.5% | 8.53 | 8.29 | -2.8% | 6.06 | 5.61 | -7.5% | | |
| 2012 | 5.48 | 5.48 | 0.1% | 4.87 | 5.00 | 2.8% | 6.51 | 6.46 | -0.8% | 6.79 | 6.69 | -1.5% | 5.53 | 4.57 | -17.4% | | |
| 2013 | 6.07 | 6.19 | 2.0% | 5.60 | 5.78 | 3.3% | 6.88 | 6.57 | -4.6% | 7.25 | 7.52 | 3.6% | 6.15 | 5.89 | -4.1% | | |
| 2014 | 7.11 | 6.97 | -2.0% | 6.36 | 6.07 | -4.6% | 7.74 | 7.82 | 1.1% | 8.75 | 9.07 | 3.7% | 6.91 | 6.10 | -11.6% | | |
| 2015 | 7.32 | 6.99 | -4.6% | 6.16 | 5.94 | -3.5% | 8.30 | 7.84 | -5.6% | 9.67 | 9.30 | -3.8% | 6.97 | 5.92 | -15.1% | | |
| 2016 | 6.47 | 6.43 | -0.8% | 5.31 | 5.43 | 2.3% | 7.19 | 6.84 | -4.7% | 8.72 | 8.45 | -3.1% | 6.58 | 6.44 | -2.2% | | |
| 2017 | 7.12 | 6.60 | -7.3% | 6.19 | 5.88 | -5.0% | 7.81 | 7.41 | -5.2% | 9.02 | 8.12 | -10.0% | 6.65 | 5.66 | -14.8% | | |

| Product | ion_ | | | | | | | | | | | | | | |
|---------|-------------|--------------|------------|-------------|--------------|------------|-------------|---------------|------------|-------------|-----------|------------|-------------|---------|------------|
| | Т | otal cereals | i | | Spring barle | y | | Winter barley | | | Wheat | | Oats | | |
| | | | _ | | | | | | | | | | | | _ |
| | | | Percentage | | | Percentage | | | Percentage | | | Percentage | | | Percentage |
| Year | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference | Provisional | Final | Difference |
| 2008 | 3,042,256 | 3,043,330 | 0.0% | 1,474,441 | 1,500,118 | 1.7% | 448,081 | 435,085 | -2.9% | 978,518 | 987,256 | 0.9% | 128,937 | 114,515 | -11.2% |
| 2009 | 2,872,228 | 2,887,132 | 0.5% | 1,645,541 | 1,668,240 | 1.4% | 334,338 | 314,527 | -5.9% | 745,969 | 767,651 | 2.9% | 135,970 | 132,570 | -2.5% |
| 2010 | 2,872,228 | 2,857,814 | -0.5% | 1,289,851 | 1,410,270 | 9.3% | 337,987 | 345,615 | 2.3% | 994,322 | 953,239 | -4.1% | 137,657 | 145,117 | 5.4% |
| 2011 | 3,067,714 | 2,948,871 | -3.9% | 1,619,867 | 1,532,979 | -5.4% | 328,803 | 333,623 | 1.5% | 984,421 | 956,985 | -2.8% | 131,668 | 121,826 | -7.5% |
| 2012 | 2,502,839 | 2,507,016 | 0.2% | 1,407,715 | 1,446,950 | 2.8% | 278,613 | 276,511 | -0.8% | 683,445 | 673,288 | -1.5% | 131,009 | 108,249 | -17.4% |
| 2013 | 2,781,049 | 2,836,836 | 2.0% | 1,659,309 | 1,713,548 | 3.3% | 293,944 | 280,511 | -4.6% | 629,963 | 652,933 | 3.6% | 195,010 | 187,021 | -4.1% |
| 2014 | 3,282,301 | 3,221,284 | -1.9% | 1,745,867 | 1,664,905 | -4.6% | 406,166 | 410,765 | 1.1% | 953,905 | 989,347 | 3.7% | 173,022 | 152,924 | -11.6% |
| 2015 | 3,245,525 | 3,100,624 | -4.5% | 1,574,132 | 1,520,756 | -3.4% | 429,837 | 406,169 | -5.5% | 1,059,096 | 1,019,182 | -3.8% | 178,430 | 151,569 | -15.1% |
| 2016 | 2,773,547 | 2,752,412 | -0.8% | 1,265,692 | 1,296,481 | 2.4% | 344,822 | 328,766 | -4.7% | 953,196 | 925,992 | -2.9% | 205,514 | 200,936 | -2.2% |
| 2017 | 3,084,971 | 2,859,045 | -7.3% | 1,508,821 | 1,432,815 | -5.0% | 371,173 | 352,108 | -5.1% | 988,000 | 889,308 | -10.0% | 216,978 | 184,813 | -14.8% |

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