

# UK cereals supply and demand estimates data sources



In September each year, AHDB publish the final UK cereal supply and demand estimates (balance sheets) for the previous season, when all the full season official statistics are available.

Below is an overview of data sources for the information in the final balance sheets for wheat, barley, maize, oats and other cereals.

## Production

The official production figures for wheat, barley and oats published by Defra in the results of the Cereal and Oilseed Rape Production Survey - <https://www.gov.uk/government/statistics/cereal-and-oilseed-rape-production>

For 'Other Cereals' the Defra June survey area data and historic average yields are used to calculate production – <https://www.gov.uk/government/collections/crops>

## Trade

For all cereals, July to June import and export volumes, sourced from HMRC - <https://ahdb.org.uk/cereals-oilseeds/trade-data>

## Usage

Full season usage data for the following is used:

- GB animal feed compounders and integrated poultry units - <https://ahdb.org.uk/cereals-oilseeds/cereal-use-in-gb-animal-feed-production>
- NI animal feed compounders - <https://www.daera-ni.gov.uk/publications/animal-feed-statistics-2009-onwards>
- UK flour millers (inc. starch and bioethanol) - <https://ahdb.org.uk/cereals-oilseeds/uk-human-industrial-cereal-usage>
- UK brewers, maltsters and distillers (BMD) - <https://ahdb.org.uk/cereals-oilseeds/uk-human-industrial-cereal-usage>
- UK oat millers - <https://ahdb.org.uk/cereals-oilseeds/uk-human-industrial-cereal-usage>
- UK cereal breakfast food manufacturers (companies surveyed quarterly, with data solely used for the balance sheets)
- UK rye millers (companies surveyed annually, with data solely used for the balance sheets)

Fed on farm is estimated, using previous season information and market insight.

## Commercial end-season stocks

Commercial end-season stocks are an accumulation of the following information:

- UK merchants, ports and co-operatives stocks - <https://ahdb.org.uk/cereals-oilseeds/cereal-stocks>
- Defra England and Wales on-farm stocks - <https://www.gov.uk/government/collections/crops>
- Scotland on-farm stocks (data provided by the Scottish Government for the balance sheets)
- Northern Ireland on-farm stocks (estimate based off the proportion of stocks held on-farm in England as a percentage of production)
- Stocks held by processors (inc. flour millers, BMD, oat millers, animal feed compounders, integrated poultry units, cereal breakfast food manufacturers and rye millers) - <https://ahdb.org.uk/cereals->

[oilseeds/uk-human-industrial-cereal-usage; https://ahdb.org.uk/cereals-oilseeds/cereal-use-in-gb-animal-feed-production](https://ahdb.org.uk/cereals-oilseeds/cereal-use-in-gb-animal-feed-production)

- Stocks held in futures stores - <https://www.ice.com/products/37089081/UK-Feed-Wheat-Futures>

### **What is a residual/deficit?**

In theory, at the end of the season, all official data relating to supplies, usage, trade and stocks should lead to a 'balanced' balance sheet. However, with a number of the statistics feeding into the balance sheet collected via a survey rather than a full census, there is going to be margins of error, which leads to an imbalance or a residual/deficit.