



## United Kingdom Price, Volume and Composition of Milk – May 2017

This release shows the latest information on average farm-gate milk prices, volumes and the butterfat and protein content of UK produced milk.

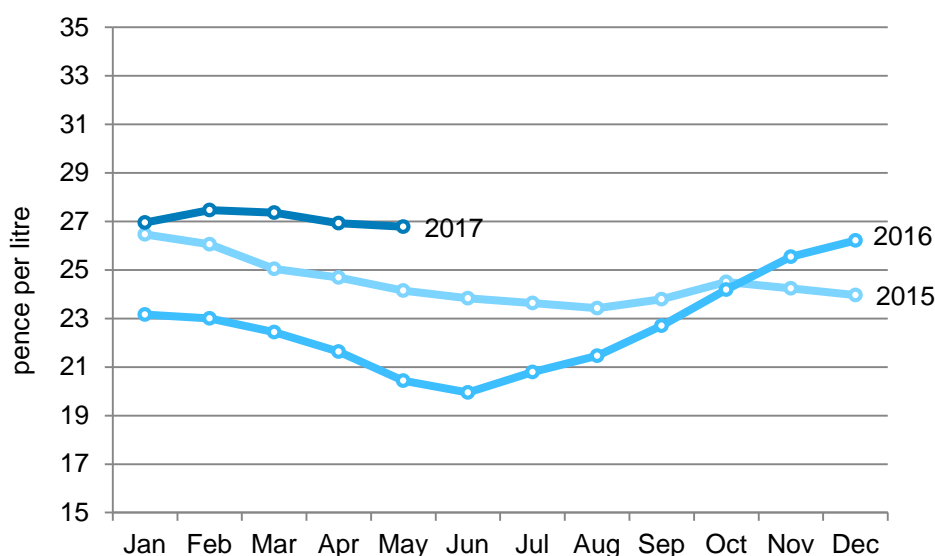
### Change to presentation of data

Since February, we are reporting on monthly milk prices excluding any retrospective bonus payments. We are still capturing these retrospective bonus payments and we use these to produce an annual average price including bonus payments.

### Key point

The UK average farm-gate milk price for May 2017 is 26.78 per litre. This represents a 0.6% (0.15ppl) decrease on April 2017 and an increase of 31% (6.34ppl) higher than the same month last year.

**Figure 1: United Kingdom farm-gate milk price (pence per litre)**



The next update of this monthly notice is at 09:30 on 27<sup>th</sup> July 2017. A full time series and dataset can be found at:

<https://www.gov.uk/government/publications/uk-milk-prices-and-composition-of-milk>

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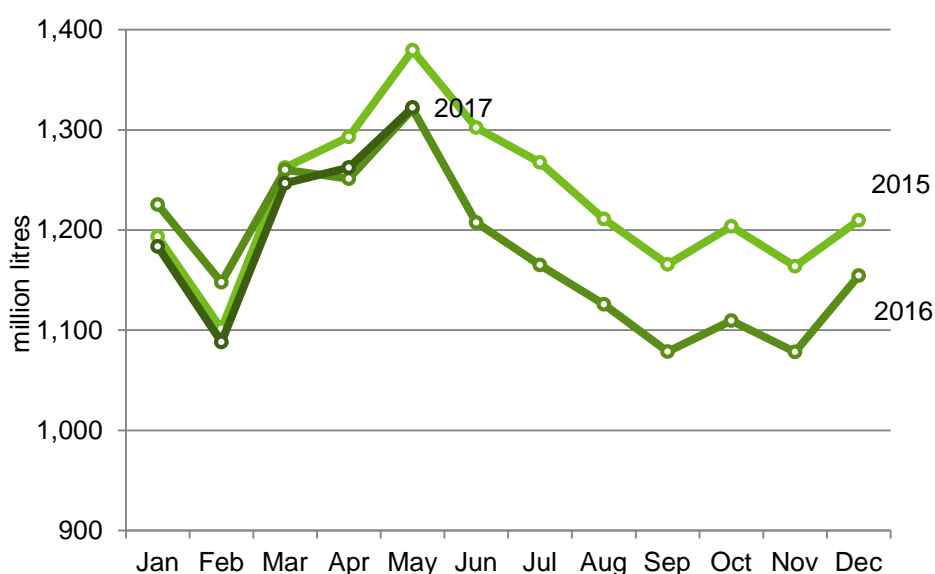
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## Commentary

Recent years have shown increased production between February and May in line with the spring flush, which brings increased volumes. May 2017 volumes followed this seasonal trend with a rise of 4.7% on the previous month to 1322 million litres, almost matching the same period last year.

This seasonal increase in supply to the market contributes to the corresponding fall in milk price, as shown in Figure 1. The decreases in milk price since February 2017 are much less steep than in the same months of 2015 and 2016.

**Figure 2: United Kingdom wholesale milk production (million litres)**



Source: Defra statistics from April 2015: Rural Payments Agency milk quota data to March 2015.

**Table 1: United Kingdom wholesale milk production (million litres)**

	2013	2014	2015	2016	2017
Jan	1,059.00	1,179.40	1,193.60	1,225.23	<b>1,183.72</b>
Feb	978.10	1,099.20	1,101.10	1,147.73	<b>1,088.24</b>
Mar	1,111.60	1,256.90	1,262.30	1,260.12	<b>1,246.76</b>
Apr	1,111.90	1,279.10	1,292.85	1,251.33	<b>1,262.38</b>
May	1,234.10	1,333.40	1,379.52	1,320.76	<b>1,322.27</b>
Jun	1,177.40	1,240.70	1,302.23	1,207.65	
Jul	1,143.60	1,225.20	1,267.44	1,164.94	
Aug	1,115.70	1,177.80	1,211.00	1,125.83	
Sep	1,062.70	1,147.30	1,165.86	<b>1,078.55</b>	
Oct	1,088.20	1,156.70	1,203.60	<b>1,109.40</b>	
Nov	1,066.90	1,120.40	1,163.92	<b>1,078.15</b>	
Dec	1,143.50	1,156.40	1,209.82	<b>1,154.40</b>	

Source: Defra statistics from April 2015: Rural Payments Agency milk quota data to March 2015.

**Note:** Bold figures represent data revisions since last publication.

## Section 1: United Kingdom farm-gate milk price

Table 2 shows the monthly average farm gate milk prices for the last 13 months, along with historical annual averages (at actual prices). Figure 1, on the front page, shows monthly comparisons between years. The full time series is available on the website at <https://www.gov.uk/government/publications/uk-milk-prices-and-composition-of-milk>. The annual average price of milk in 2016 was 22.57 ppl down 7.8% on 2015.

**Table 2: United Kingdom farm-gate milk price**

Farm-gate milk price pence per litre			
Annual	2012		28.03
	2013		31.63
	2014		31.59
	2015		24.46
	2016		22.57
Monthly	2016	May	20.44
		Jun	19.95
		Jul	20.80
		Aug	21.46
		Sep	22.70
		Oct	24.19
		Nov	25.54
		Dec	26.22
	2017	Jan	26.95
		Feb	27.47
		Mar	27.36
		Apr	26.93
		May *	26.78

(\*) provisional figures

## Retrospective payments

Some companies make retrospective bonus payments. We do not reflect these payments in the monthly milk price figures. The annual average price for farm-gate milk in 2016, including retrospective payments, is 22.74 ppl, which is 7.8% lower than the 24.66ppl (including retrospective payments) farmers received in 2015.

A retrospective payment is when a company makes a payment to a farmer that is outside the normal contract price they receive and is generally paid on prior production, for example profit sharing.

## Section 2: Composition of milk in the United Kingdom

Table 3 shows the average butterfat and protein content of milk. Butterfat content figures prior to April 2015 came from published RPA figures and we present them here for reference only. Protein (and from April 2015, butterfat) content figures are calculated from UK milk survey data.

There is a seasonality effect on the butterfat content levels. This is due to cattle being put out to grass as the weather improves early in the year and then brought in for the winter. May shows a 2.1% decrease on April to 3.98%, 0.4% down on May 2016.

**Table 3: Average butterfat and protein content of United Kingdom produced milk**

	Butterfat %			Protein %		
	2015	2016	2017	2015	2016	2017
Jan	4.07	4.15	4.12	3.28	3.28	3.28
Feb	4.09	4.18	4.13	3.27	3.28	3.27
Mar	4.10	4.20	4.12	3.28	3.29	3.26
Apr	4.02	4.16	4.06	3.29	3.27	3.29
May	3.91	3.99	3.98	3.31	3.28	3.28
Jun	3.90	3.94		3.30	3.23	
Jul	3.83	3.94		3.31	3.22	
Aug	3.99	3.98		3.31	3.25	
Sep	4.03	4.09		3.44	3.32	
Oct	4.12	4.18		3.41	3.38	
Nov	4.15	4.25		3.36	3.39	
Dec	4.13	4.19		3.32	3.36	
Average	4.03	4.10		3.32	3.29	

(\*) latest month's figures are provisional

Source: Defra statistics: RPA (butterfat and pre-April 2015 only)

## Section 3: Data users, methodology, notes and revisions policy

### Data users

1. Users of the milk prices data include the EU Commission where the milk price statistics are required monthly under Regulation no. 479/2010 Article 2 (3)(a). Detailed information on this legislation and successive amendments are available at: [European Commission legislation](#) European level statistics on the milk industry are available at: [European Commission statistics](#)
2. The milk price statistics accompany another Defra monthly publication on milk utilisation by dairies (this is available at <https://www.gov.uk/government/collections/milk-utilisation-by-dairies> and provides more detailed statistics on the volumes of raw milk which are processed into other products e.g. liquid milk, butter, cheese etc.) This data, alongside the milk prices, gives a comprehensive overview of the UK milk market and is used heavily by the dairy industry, in particular the division of the Agriculture and Horticulture Development Board (AHDB) known as DairyCo (who represent milk producers) and Dairy UK (who represent milk processors). DairyCo consider the price and utilisation statistics vital for assessing market trends and to carry out further analysis on how changing prices affect the sector. Milk utilisation data provides insight into market characteristics and to monitor where milk is being used for domestic production. It provides insight to how production of products (such as butter, cheese etc.) changes in response to changes in global demand and market conditions.
3. The information in this notice is also used by the UK government as evidence for assessing market conditions and evaluating agricultural policy. Other users include academia and the general public.
4. Contact details are available on the front page of this notice, for you to send feedback or ask questions about the information provided.

### Methodology

5. Farm gate milk prices: Defra runs a compulsory monthly survey of dairies in England and Wales to collect information on the volume, value, protein and butterfat content of milk purchased from farms in England and Wales. All major dairies purchasing over 2 million litres of milk a year (34 in England and Wales) take part in the survey.
6. Similar surveys are run by the Rural & Environment Science and Analytical Service (RESAS) for Scotland and the Department of Agriculture, Environment and Rural Affairs (DAERA) for Northern Ireland. Scottish milk price and production statistics are available in the Economic Report on Scottish Agriculture at: <http://www.scotland.gov.uk/Topics/Statistics/Browse/Agriculture-Fisheries/PubEconomicReport> (Section 5.25). This website also contains contact details and more information. Northern Ireland results are available at <https://www.daera-ni.gov.uk/articles/milk-price-quality-and-production-statistics>
7. UK average prices are calculated using the weighted results from the Defra, RESAS and DAERA surveys.
8. Quarterly surveys of dairies that purchase less than 2 million litres a year are used to estimate the volume of milk that is not accounted for within the monthly survey. This information is used to raise the monthly milk deliveries to a national level.
9. The published farm gate prices are weighted according to the volume of milk purchased by dairies. The averages are strongly influenced by the larger milk purchasers, and smaller purchasers have little influence on the UK weighted average. The farm gate price is the average price paid to producers, net of delivery charges. No deduction is made for superlevy. Some purchasers pay bonuses retrospectively to producers, these payments are used to calculate an annual average milk price including bonuses but are excluded from the monthly

figures. An annual average milk price is also calculated excluding the retrospective bonus payments/

10. Composition of milk: The Rural Payment Agency no longer collects information on the butterfat or protein content of milk delivered to dairies (previously collected under the milk quota regulations). This information is now collected by Defra, DARD NI and RESAS from the milk prices surveys to obtain a UK average. In the same way as for the average prices, the average butterfat and protein contents are weighted according to the volume of milk purchased.
11. The data are subject to a variety of validation checks which identify inconsistencies in the data. All data are cleaned prior to publication in discussion with the survey respondents.
12. From February 2017, we are reporting on monthly milk prices excluding any retrospective bonus payments. We are still capturing these retrospective bonus payments and we use these to produce an annual average price including bonus payments. In the process of calculating the new price without retrospective bonus payments improvements were applied to the weightings used to calculate the milk price. The result of the new weighting is a change to the previously published milk price data back to February 2014. As a result there will be some minor changes to previously published data for the period

## **Revisions policy**

13. Figures in this notice are provisional and subject to revision. We will provide information about any revisions we make to previously published information in this statistics notice, and the associated datasets. Revisions could occur for various reasons, including:
  - a. If we have not received survey data from respondents we make an estimate based on their previous returns. These estimates are replaced with actual figures when they are received.
  - b. Survey respondents occasionally supply amended figures for previous periods.
  - c. Receipt of amended data from Scotland and Northern Ireland.
  - d. Payment of retrospective bonuses which affect the previously supplied price data.