

THIS BOOKLET WILL PROVIDE YOU WITH LOTS OF INFORMATION ABOUT CHEESE, WHICH CAN HELP YOU INCORPORATE CHEESE INTO YOUR DIET, INCLUDING CHEESE NUTRITION AND CHEESEMAKING.



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# 8 Cheesy facts

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CHEESE IS A TASTY, VERSATILE AND CONVENIENT FOOD THAT CAN FIT INTO ALMOST EVERY EATING PLAN

- There are over 700 British named cheeses
- Cheese is made up of just a few simple ingredients milk, a starter culture (good bacteria), salt and rennet
- 2 It takes 10 litres of milk to produce a kilo of hard cheese
- The majority of cheeses in the UK use vegetarian rennet

- Cheddar is the nation's favourite cheese
- Salt is an essential part of cheese making. A 30g piece of Cheddar provides 0.5g salt
- Cheese has been around for centuries
- Whey is a by-product of cheesemaking

# Varieties of cheese

### **VARIETY IS THE SPICE OF LIFE!**

CHEESE IS A COMPLEX FOOD MADE FROM JUST A FEW BASIC INGREDIENTS – MILK, A STARTER CULTURE (GOOD BACTERIA), RENNET (TO THICKEN THE MILK) AND SALT.

From these simple ingredients, cheesemakers around the world have developed thousands of different varieties of cheeses. In the UK alone, we have over 700 named cheeses. Each variety of cheese has its own unique taste, texture and nutritional composition.

Categories of cheese in the UK and examples of cheeses in each category			
Cheese categories	Some examples of cheese		
Hard	Cheddar, Double Gloucester		
Semi-Hard	Cheshire, Wensleydale		
Soft ripened or bloomy rind	Somerset Brie, British Camembert		
Blue	Blue Stilton, Shropshire Blue		
Washed rind	Stinking Bishop		
Fresh	Mozzarella, Cottage Cheese		
Blended	Stilton with Cranberries, Double Gloucester with Chives		

# The nutritional value of cheese

A 30G PORTION OF CHEDDAR CHEESE CONTRIBUTES THE FOLLOWING AMOUNTS TO THE RECOMMENDED DAILY INTAKE OF THESE IMPORTANT NUTRIENTS\*

#### **PROVIDES**

A SOURCE OF CALCIUM



- Contributes to the maintenance of normal bones and teeth
- Supports normal blood clotting
- Supports muscle and nerve function



- Contributes to the maintenance of normal bones
- Contributes to the growth and maintenance of muscle mass

**PROVIDES** 

A SOURCE OF
VITAMIN A

FULL-FAT
VARIETIES ONLY

15%

 Helps maintain normal vision, skin and immune system

A SOURCE OF PHOSPHORUS

22%

- Contributes to the maintenance of normal bones and teeth
- Supports normal release of energy from foods

A SOURCE OF VITAMIN B12

29%

- Helps to make red blood cells, which carry oxygen around the body
- Supports the normal functioning of the immune system
- Supports normal nerve function

\*Recommended intakes are based on guidelines for adults established and used for purposes of nutrition labelling in the European Union.

## Calories and fat in cheese

## CHEESE PROVIDES A NUMBER OF IMPORTANT NUTRIENTS IN A COMPACT, TASTY PACKAGE.

Cheese can be consumed as part of a healthy, balanced diet. Guidelines suggest adults should have less than 70g total fat and 20g saturated fat a day.

A 30g piece of Cheddar cheese contains 10.5g fat, and 6.5g saturated fat.

A moderate amount of cheese isn't over-the-top on calories either.
Guidelines suggest that the average adult should consume

around 2000 calories a day; a 30g piece of Cheddar contributes just 6% of this figure.

With the many varieties of regular fat, reduced fat and half fat cheeses available there is a fat and calorie choice available for all types of dietary needs and preferences.

The table opposite shows the calorie, fat and saturated fat content of a variety of popular cheeses.

Calories, fat and saturated fat content in a 30g portion of popular cheeses

Type of cheese	Calories (Kcal)	Fat (g)	Saturated fat (g)
Cheddar (regular)	125	10.5	6.5
Cheddar (30% less fat)	94	6.6	4.1
Red Leicester	121	10.1	6.3
Double Gloucester	124	10.5	6.6
Wensleydale	114	9.5	5.9
Stilton	123	10.5	6.9
Cottage cheese	31	1.8	1





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THERE ARE SOME BASIC STEPS INVOLVED IN FLAVOURS AND TEXTURES.

THE FOLLOWING IS A VERY SIMPLE GUIDE TO THE BASIC PROCESS.

- Cheese is a concentrated form of milk and the cheesemaking process begins with the milk being pasteurised and a starter culture being added to 'sour' and thicken it.
- Rennet is then added to the milk to form curds. In years past, animal rennet was used but these days much of the rennet used in the UK is from non-animal sources which makes the majority of cheeses suitable for vegetarians.
- The curds produced by the steps above are left to set.
- In cheesemaking the curds must be separated from the whey. So, after setting, the curds are cut so that the whey is released. To produce hard cheeses, the curds are cut finely whereas to produce soft cheeses, the curds are only lightly cut.
- After cutting, the curds are then either 'cooked' or piled on top of each other to further release the whey.
- At this point, the curd is milled, salt is added, and for the majority of cheeses, the curd is pressed into moulds.
- The cheese is then stored and ripened. During this phase, temperature and humidity are tightly controlled and vary according to the type of cheese being produced.

# Why is there salt in cheese?

SALT IS AN INTEGRAL PART OF THE CHEESEMAKING PROCESS.
CHEESE SIMPLY CANNOT BE MADE WITHOUT IT. IT IS ADDED
FOR SAFETY AND TECHNICAL REASONS AS FOLLOWS:



Salt **slows** the development of the special bacteria used in the cheesemaking process. Without salt these bacteria would multiply uncontrollably and cause the cheese to spoil quickly.



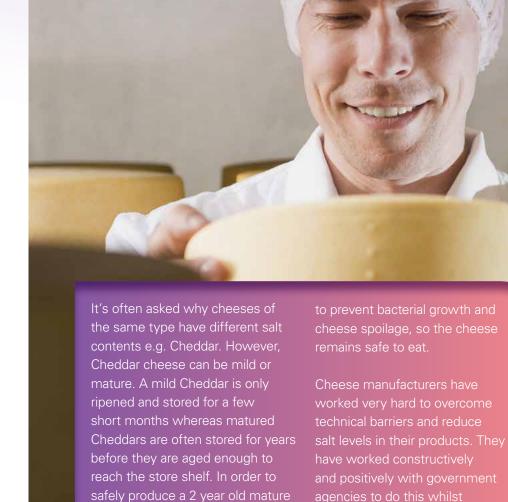
Salt acts as a **preservative**, preventing the growth of undesirable bacteria. This is essential for the safety of cheeses, particularly those with a longer shelf life.



Salt **speeds up** the release of whey from the curd. This is an essential part of the production of semi-hard and hard cheeses.



Salt is important in helping the curds to **mature**. A lack of salt would prevent the curds from maturing, meaning cheese will remain in its raw state and be inedible.



producing products which are

the public's taste.

nutritious, safe and acceptable to

Cheddar, the cheesemakers

must add more salt than if they

were producing a mild Cheddar,

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# How much salt is in my cheese?

PUBLIC HEALTH GUIDELINES RECOMMEND THAT CHILDREN OVER 11 YEARS, AND ADULTS CONSUME NO MORE THAN 6G OF SALT PER DAY.

The following table shows that information for a number of popular cheeses.

If your favourite cheese isn't included in this Table, don't worry. The package your cheese comes in will list the nutritional information specific to that product, including the salt content.

### THE AMOUNT OF SALT IN COMMONLY CONSUMED CHEESES

Type of cheese	Salt in a 30g portion	% of daily maximum amount
Cheddar	0.54	9
Stilton	0.59	10
Red Leicester	0.50	8
Double Gloucester	0.50	8
Wensleydale	0.33	6
Cottage cheese	0.19	3
Cream cheese	0.20	3
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#### Information Sources

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For details on additional information sources please contact The Dairy Council



Tel 020 7025 0569 info@dairycouncil.org.uk

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#### Other factsheets include:







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