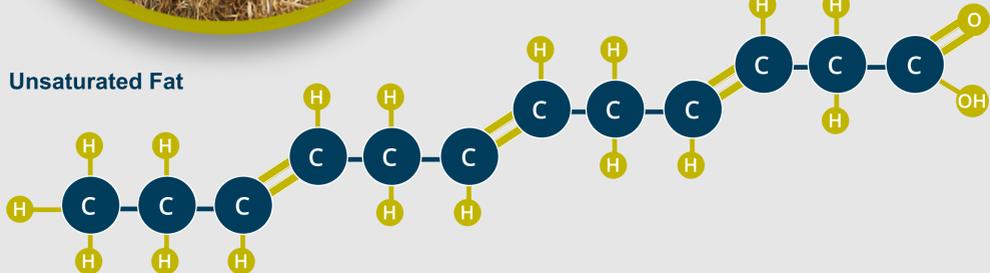




# Right Fat, Right Time

Unsaturated Fat

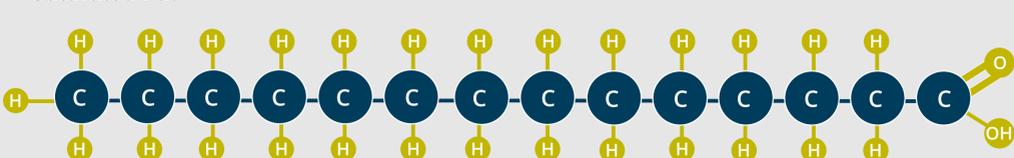


## What is fat?

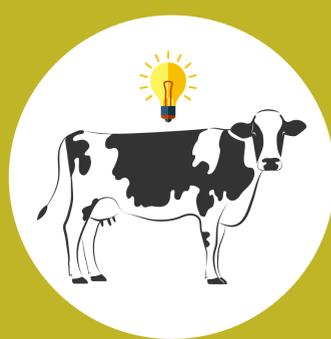
Fat is a type of nutrient, just like carbohydrate and protein are types of nutrient. It's an essential part of daily nutrition and neither human nor cowkind can live without it.

**Fats are made of fatty acids, which may be saturated or unsaturated. The double bond makes a fatty acid unsaturated.**

Saturated Fat



## Why feed fat?



### Unrivalled energy supply to improve milk yields

It's a particularly valuable nutrient when a cow's demand for energy is high or you need to minimise loss of body condition

### Improved fertility

Fertility falls by around 10% for every 0.5 unit loss in body condition score



### Reduction of heat stress

Fat generates considerably less heat than all other energy sources, providing you with a nutritional method to reduce heat stress

## How much fat do dairy cows need?

Dairy cows may require over **6%** fat in the dry matter to maintain productivity and body condition

Unprotected fats create an 'oil slick' in the rumen so feeding above **3.5%** of fat in the dry matter can result in poor digestion

Rumen-protected fat supplements allow you to increase fat intake without the harmful effects

**Calculating a cow's fat requirement can be a complex science. As a guideline, 15-20% of the metabolisable energy in a dairy cow's diet should come from fat.**

## Which fatty acids to feed?



Increases partitioning of nutrients to milk to improve fat production



Digestibility decreases with increasing intake of C18:0



Improves digestibility and body condition by increasing nutrient partition



Plentiful in diet, No specific supplementation required



Improves embryo survival to increase fertility.

## Want to know more?

Download the e-book at [www.megalac.com](http://www.megalac.com)