

The liver is the ‘cornerstone’ of energy metabolism in the dairy cow. It processes energy from both food and body fat reserves and redistributes this energy for maintenance and milk yield.

In early lactation, cows typically use energy from body reserves faster than the liver can process it. This causes fat buildup in the liver – a condition known as ‘fatty liver syndrome’. Fatty liver syndrome curtails milk yield, compromises immunity, and leaves the cow vulnerable to ‘transition cow diseases’ such as ketosis, milk fever and displaced abomasums. Improving liver function will help avoid these problems.

LiFT - Liver Function Technology

LiFT is a package of vitamins and essential cofactors that improve liver function by optimising the liver’s natural resources. LiFT supports the liver during the transition period and early lactation. At this crucial time, liver function is of key importance in determining future health, fertility and production performance.

Advantages

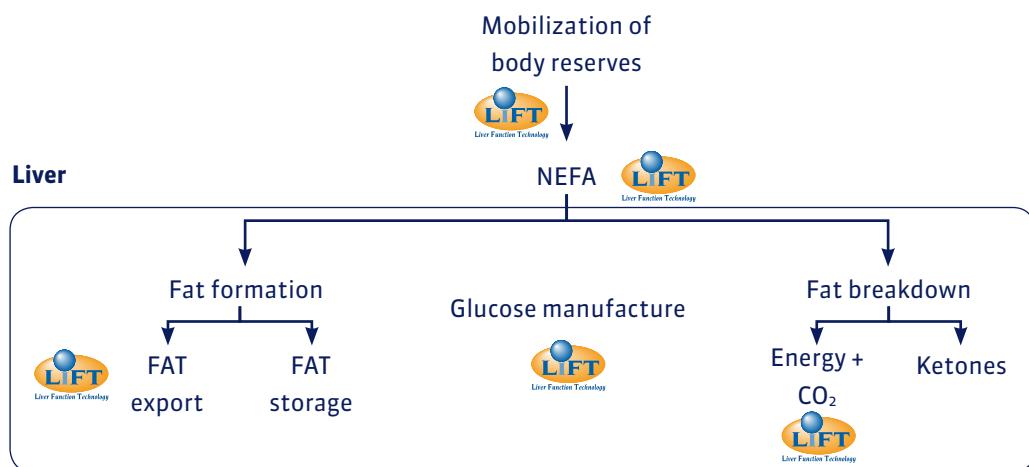
LiFT offers:

- An improved ‘traffic management’ of energy metabolism in the liver.
- A powerful effect on liver function due to the perfect balance of ingredients
- Recently upgraded formulation with additional active ingredients.

“LiFT - Improving liver function”



Effects of LiFT on liver metabolism



Benefits

- LiFT improves liver efficiency so the cow can realize her full potential
- Trials show typical improvements in milk yield of more than 500 litres per lactation when LiFT is included in the diet
- Reduction in transition cow problems such as ketosis, milk fever and displaced abomasums
- Improvement in health and fertility
- LiFT shows particular advantages in high yielding cows and also cows carrying excess body condition. Many cows with moderate body condition carry a lot of internal fat and are at risk from fatty liver.

Table 1: Identifying the need for LiFT - quick guide

What is the probability of cows suffering effects of fatty liver?

Lactation expectation (Litres)					
Body Condition Score	6,000	7,000	8,000	9,000	10,000
<2.5	Low	Low	Moderate	Moderate	High
2.5 - 3.5	Low	Moderate	High	High	Extreme
>3.5	Moderate	High	Extreme	Extreme	Extreme

Yellow / Orange: These cows will greatly benefit from application of LiFT

Red: Extended use of LiFT advised - consider higher dose/longer application period

Feeding instructions

LiFT should be fed from at least 21 days prior to calving until 100 days into the lactation

Table 2: LiFT - Feeding rates

	BCS 3.0 - 3.5	BCS > 3.5
Close up dry period	50g/cow/day	75 - 100g
Early lactation: (0 - 100 DIM)	100g/cow/day	100g/cow/day

- LiFT is available in a powder format for on farm use
- LiFT can easily be incorporated within mineral packs, compound feed or blends

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