



SUPPORTING MILK FAT PRODUCTION



MAxCream is a highly rumen fermentable hydroxy methionine analogue (HMBa) product designed to enhance milk fat production in dairy cows. The product works in the rumen to support increased fibre digesting bacteria, helping to maintain normal rumen fatty acid metabolism and optimise milk fat production.

Unlike other analogues, **MAxCream** (HMBa) is an organic acid based on a silica carrier. This enables **MAxCream** to have a smaller particle size and more highly soluble form of HMBa, allowing for greater levels of fermentable methionine analogue to supplemented lactating dairy cows and therefore potential for milk fat performance improvements.

Reduced Milk Fat Depression Risk

- The change in the biohydrogenation pathway can be caused either by the sustained fall in rumen pH as a result of:
 - *Higher starch and lower fibre diets.*
 - *Increase in ingested PUFAs, for example when grazing lush spring grass.*
 - *Prolonged periods of heat stress (THI>72).*
 - *Large changes in ration content.*
- This can lead to accumulation of undesirable intermediates such as trans-10 C18:1, has a negative effect on the lipogenic enzymes in the mammary gland that form butterfat.
- HMBa supplementation from **MAxCream** provides rumen microbes with the isomers of the normal biohydrogenation pathway.
- By restoring a normal biohydrogenation pathway, **MAxCream's** HMBa supports greater de novo fatty acid synthesis in the mammary gland, leading to improved milk fat production.

Improved Milk Fat Synthesis

- HMBa can support fibrolytic bacteria growth in the rumen, which can help to stabilise rumen pH.
- This can lead to improved fibre digestion, preferential volatile fatty acid (VFA) profile and de novo fatty acid synthesis.

Key Benefits:

- Small and consistent particle size.
- Thermostable at pelleting temperatures.
- Highly soluble and rumen fermentable.
- Promotes preferential rumen biohydrogenation.
- Supports reductions in anti-lipogenic factor accumulation.
- Supports growth fibre digesting bacteria in the rumen.
- Improves ratio of volatile fatty acid (VFA) synthesis.
- Increases in milk fat percentage.
- Studies have shown improved milk fat % across all lactation stages.
- Positive ROIs from increased milk fat %.

Recommended Use

MAxCream can be fed through straight supplementation into compound feeds or as a straight in to mixed rations on farm.

Suitable for dairy cows. Feed rate: 30g/head/day.



NEW!



A readily available highly rumen fermentable
hydroxy methionine analogue (HMBa) proven to
support milk fat production in dairy cows.

Ask our team how MAXCream could make a difference to your butterfat performance.

