



Optimate

Rumen protected omega-3 fatty acid with added vitamins

- Optimate is a rumen protected essential omega-3 fatty acid supplement with added vitamins to improve reproductive performance and general herd health in high production dairy cows.
- Optimate uses a blend of fish oils on a highly absorbent carrier and is rumen protected, using a high melting point hydrogenated vegetable oil. The rumen protection of the Salmon oil means it bypasses the rumen and allows for slow targeted release in the intestine.
- Salmon oil is used as it provides a natural source of high levels of omega-3 but more importantly it contains high levels of EPA and DHA (These are essential fatty acids which are important for certain biological functions, such as conception, follicle development & maternal recognition of pregnancy). Omega-3 fatty acids also work to suppress prostaglandin, which is linked to early embryonic death, often an issue with hormonal imbalance in high yielding dairy cows.
- Before rumen protection, a vitamin premix containing Biotin (for hoof health) and vitamins B and E are added to ensure they are also rumen protected, increasing bioavailability in the intestine. B vitamins help maximise liver function, which in turn improves fat mobilisation, reduces the risk of ketosis and increases milk yield.



Optimate – Benefits for the milking cow

- Enhances reproductive performance.
- Stronger, more vigorous heats.
- Less early embryo loss.
- Reduced calving interval.
- Increase conception rate.
- Reduces negative energy balance in early lactation.
- Increase milk production through reduced calving interval.
- Improved animal health.
- Improved liver function.
- Plays a vital role in the use of sexed semen on farm, increasing the likelihood of conception to first service.

Feeding Rates

30 days pre-calving
100-150 g/head/day

Calving to 100 days
post-calving
200 g/head/day

Active bulls
100-150 g/head/day

What does the research tell us?



Additional Income

- Where **Optimate** was offered pre- and post-calving, it was found when valuing milk at 33 c/litre, the additional income from increased milk output throughout lactation was worth **€295 per cow**.



Heat Detection

- Commercial farm trial data collected from over seven farms, resulted in farmers recording more vigorous heats.



Reduced Calving Interval

- Research conducted in intensive dairy systems in both the UK and Czech Republic found that **Optimate** reduced calving interval by an average of 15.75 days. This reduction alone equated to a saving of €60/cow, while also resulting in a more compact calving season and increased milk production per cow per lactation.



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