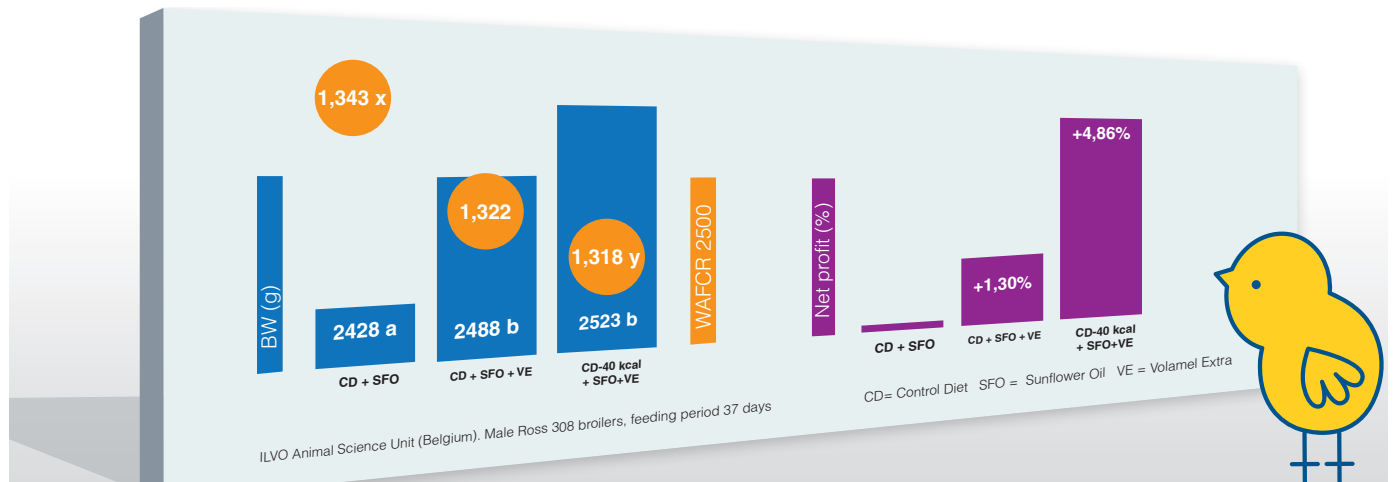


VOLAMEL EXTRA, A BOOSTER TO SUNFLOWER OIL



Worldwide, feed cost represents about 70% of total broiler production cost. At least 40 to 50% of this cost is linked to energy provision. This is especially significant in 2020 when, due to several reasons (e.g., extreme weather conditions, Covid 19), **vegetable oil prices appreciated sizably** from Latin America, over Europe till Asia. Energy therefore became the major cost factor within a broiler diet worldwide. Moreover, the delay in harvest (e.g., palm oil) led to a deterioration in quality by an increase in free fatty acid (FFA) content.

These trends have made it even more important to use energy in a smart and efficient way.

Volamel Extra, a nutritional emulsifier, could be the solution. Due to its extremely hydrophilic nature, it acts in perfect synergy with the natural bile salts in the animal's gut during emulsification and micelle formation. It enhances the absorption of fat, fat-soluble vitamins and other nutrients. In this way, Volamel Extra is an excellent tool for feed producers and integrators to improve performance and reduce the energy cost of the diet. **Volamel Extra proved to be able to compensate on average for 3% of metabolizable energy (ME) in the feed.** To calculate the precise advised ME reduction (or matrix value) of Volamel Extra in broiler feeds, you can use the Volamel Energy Calculator app.

It is common knowledge that nutritional emulsifiers' efficiency increases when the saturation level or FFA-level of added oils/fat rises. Moreover, the higher the inclusion rate of added oil, the stronger we can expect the supportive effect of Volamel Extra to be. But it doesn't mean that you can't use Volamel Extra in diets with unsaturated oils at low/moderate inclusions!

In a trial from July 2020 conducted at ILVO Animal Science Unit (Belgium) we have been able to prove a significant effect from Volamel Extra on a corn-soybean meal-based diet, with sunflower oil (U/S about 9 or 10) as the sole added oil source (4.5% at max in finisher diets).

In 'on top' application the effect of Volamel Extra leads to a 2.5% higher slaughter body weight and a reduction of 1.6% of the weight-adjusted feed conversion rate (WAFCR). **However, the most effective result was reached in the group with 40 kcal ME-reduction (500 ppm Volamel Extra). In this group the broilers were 3.9% heavier and 1.9% more efficient (less feed was needed to produce 1 kg of broiler meat). This resulted in 4.9% higher net profit.**

Detailed information about this trial can be obtained upon request. If you would like to learn more, please contact us.

(t) +31 495 541 165 · info@nukamel.com · www.nukamel.com

