



# Ignite Omega



**QLF Ignite Omega** products are free choice protein supplements that contains a unique blend of omega-3 and omega-6 fatty acids. Ignite Omega contains 10% fat, which is derived from a blend of EPA/DHA omega-3s and plant derived omega-6s. This Ignite product family is highly fortified with essential vitamins and Zinpro Availa-4 trace minerals to support reproductive function.

High in EPA/DHA omega-3s, Strata by Virtus Nutrition, is a calcium salt of fatty acids that significantly improves the blend of omega fatty acids delivered through the Ignite Omega products. Strata is an anti-inflammatory immune regulator proven to have significant reproductive and milk benefits.

Reproductive performance is the single largest determinant of income in the livestock industry. Studies have shown nearly 65% of all cattle embryonic loss occurs very early in pregnancy. Progesterone is essential for the maintenance of pregnancy. A lack of progesterone may be caused by the corpora lutea having a short lifespan, therefore causing luteolysis to occur before the time in which the embryo can signal its presence. Prostaglandin F<sub>2α</sub> is a hormone that causes luteolysis. Studies suggest that feeding cattle diets rich in omega-3 fatty acids suppress the production of prostaglandin F<sub>2α</sub>, creating a healthy uterine environment for embryonic survival (Petit et al., 2002).

Supplementing cattle with increased levels of EPA/DHA omega-3s reduced early pregnancy losses by 50% (Figure 1.). Additionally, adding Strata to the diet reduced the amount of omega-6 to omega-3 ratio thus improving the uterine environment for embryonic survival (Silvestre et al., 2008). Research has shown 5:1 or lower omega 6:omega 3 ratio supports a healthy immune status and frees up energy to be redirected toward reproduction (Silvestre et al., 2008).

Ignite Omega products contain plant derived omega-6 fatty acids. Several studies evaluated the effects of supplementing fatty acids on milk yield during early lactation. Data suggests that feeding supplements containing Strata improved milk yield during early lactation (Figure 2).

#### **Available Product Options:**

- Ignite 14 AN Omega
- Ignite 20-7 Omega
- Ignite 28 Omega

**Product Recommendation:** Feed 30-45 days prior to calving throughout breeding.

FIGURE 1.

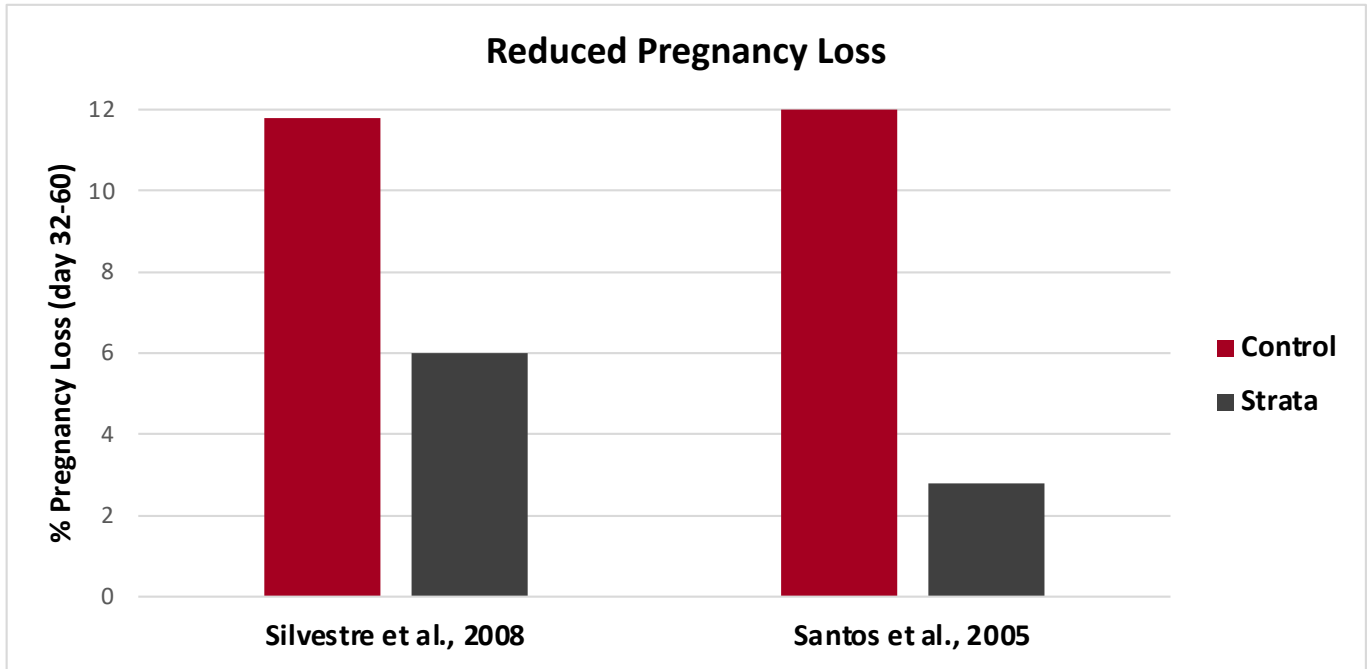


FIGURE 2.

