



AGOLIN – METHANE REDUCTION

14th August, 2017

Agolin SA is a Swiss based company working in the development and production of products based on essential oils for the dairy, swine and poultry industries. I have worked closely with the technical team there since 1994.

Essential oils are components of plants responsible for their defense against disease, fungus and pest attack. They have a range of powerful activities including anti-oxidant and anti-microbial effects. All the compounds used in Agolin Products are used in human (and animal) food flavors. In the case of Agolin Ruminant the blend of compounds impact the rumen bug population to reduce methane production, diverting the energy lost into improved milk or meat production, thus improving efficiency of use of feeds.

Working with independent University and Research Facilities around Europe, and supported by climate change grants from the EU, Agolin SA have conducted a series of independent trials to demonstrate the impact of Agolin on methane emissions in ruminants. These trials have shown reductions in methane production of between 15 and 30%. The responses have been demonstrated over longer term trials demonstrating persistency of effect.

Agolin Ruminant is being used by a several tens of thousands of cows in California at present – mainly for their economic benefit to dairy producers rather than because of methane inhibition per se. We would be pleased to work with the Dairy and Livestock Working Group in evaluating Agolin as a contributing solution to reduction in enteric methane.

Attached is a pdf document with summaries of *in vivo* Research Institute trials in Europe as well as a product brochure. We are in discussion with Prof Frank Mitloehner regarding trials on GHG (in particular methane) emissions.

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