



### NEW BIO- DIESEL

From January 1 2011 agri diesel supplied in Ireland has to be ultra low sulphur diesel with **7 % bio diesel**. These new fuels are designed to lower emissions and lower the rate of sulphur emitted from our vehicles. This new fuel can have a negative effect on engine performance and the life of filters on your diesel pump or vehicle.

This new bio diesel promotes the growth of microbes, microbes feed on the fuel and suspended water which allows them to multiply and form colonies. These colonies can be seen as sludge that sits on the bottom of your tank and blocks filters.



### SOLUTION

#### PUREFUEL CONDITIONERS

A safe solution to stop this contamination is to pass the fuel through a PureFuel Conditioner. This is a natural solution to the microbe problem, instead of killing the microbe it renders them dormant. In this dormant state the microbe does not reproduce (no sludge) and does not excrete (no acids or sugars). In its dormant state a microbe will pass freely through fuel filters and will be consumed in the combustion process as it is broken down to 1 micron in size.



## HOW CONDITIONERS WORK

- Purefuel Conditioners are fitted on the fuel line before fuel reaches the pump and filters
- The powerful magnetic field in the conditioner breaks down the biomass into individual cells of less than 1 micron in size and renders it dormant for 28 days
- This microbial material being small enough passes through the filters and is consumed by the engine
- Any dormant microbes returned to the tank remain dormant for up to 28 days after

### ENGINE FITTED CONDITIONER



### CONDITIONER FOR STORAGE TANKS



**FM08**      **8mm hose tails**  
**FM10**      **10mm hose tails**

- This conditioner is suitable for fitting directly onto vehicles.
- Fitted on the fuel line between the tank and primary filter
- No power or maintenance required
- Comes with either 8mm or 10mm hose tails
- Dimensions 192mm x 32mm diameter

**FM ISO 25**      **1" BSP female fittings**

- Fitted between storage tank and fuel pump
- No power or maintenance required
- Up to 90 l/m maximum flow rate
- Dimensions 130mm diameter x 55mm thick
- 1" BSP in line female threads