



# Eco Trace

organic trace element blend



**Eco Trace** is a blend of liquid seaweed, added trace elements, sugars and potassium designed primarily for use on pasture. The trace elements are in a form that allows them to move in the soil and in the plant.

Soil microbes can benefit from the sugars in this product, which in turn can assist in unlocking any phosphorus that may be locked up in the soil. In addition the seaweed component increases root development, fertilizer utilisation and provides increased resistance to heat and water stress.

Besides generally enhancing root growth, liquid seaweed is known to increase the number of root nodules. Nitrogen-fixing bacteria are an important source of nitrogen supply to plants, they can be free living organisms in the soil or living within root nodules in a symbiotic relationship with plants. Root nodules containing nitrogen-fixing bacteria occur in legumes such as alfalfa, clover, beans and peas.

In organic dairy farming, the pasture is usually based on mixed species forage which contains both grasses and legumes. Grasses do not contain root nodules, so their nitrogen supply must come from free living nitrogen bacteria or applied fertilizer, manure or compost.

**Eco Trace** also contains a small amount of molybdenum and this is an essential element for the formation of nitrogenase, an enzyme which is the key protein which enables nitrogen-fixing bacteria to function.

**Eco Trace** is suitable on a range of organic crops. Organic producers should also consider application of nitrogen and phosphorus based fertilizers, (such as **Eco Stim**), to provide a complete feed as **Eco Trace** is not a complete feed on its own.

**Eco Trace** is designed to contribute up to about 30% of trace element requirements when used as recommended on typical dairy pasture. It is strongly recommended that the trace element levels in the soil are checked prior to use. **Eco Trace** should not be used on pasture which has an excess of copper, zinc, manganese, boron or molybdenum.

We also do not recommend use where there has been extensive use of copper fungicides.

### Application Rates

Apply at a rate of 5 to 8 L/ha diluted at least 1 part to 20 parts with water.

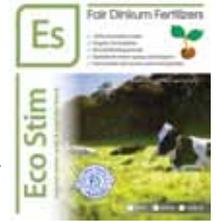
In the growing season the product can be applied every 3-4 weeks.

Apply early morning or late afternoon.

Do not apply if temperature is over 25 degrees C.

Livestock should be excluded, if possible, for 24 hours to allow **Eco Trace** to be absorbed by the pasture.

Ensure contents are mixed well prior to use.



Approved Organic Input



Analysis	
Potassium	6.2 %
Sulphur	0.7 %
Copper	500 ppm
Zinc	500 ppm
Manganese	100 ppm
Boron	60 ppm
Molybdenum	10 ppm
Filtration	100 mic

%W/V is grams per 100ml of product  
ppm is parts per million on weight basis  
g/l is grams per litre  
mic = microns



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