

# TwinN

It has been demonstrated that the restoration of microbes into the soil is a valuable aid to growing healthy crops and healthier livestock.

**TwinN** is not a fertiliser or an agrochemical and is very safe and completely non hazardous.

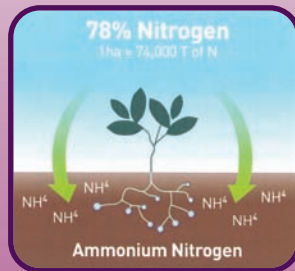
**TwinN** is an organic product and will not harm flora and fauna.

**TwinN** will not leach into waterways and is not affected by NVZ regulations.

**TwinN** helps reduce chemical N fertiliser leaching.

**TwinN** will reduce carbon usage and environmental pollution.

Air contains approximately 78% Nitrogen, harness this potential with **TwinN**.



**TwinN** has approval from UK organic certification schemes.



**TwinN** is manufactured by  
Mapleton International.

# Tricet UK Limited

Promoting Sustainable Farming

## Regional Directors

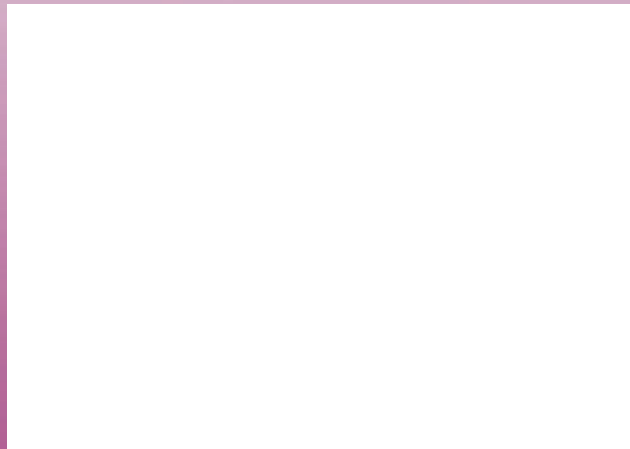
**North - Richard Womersley**  
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**Midlands - Robin Levin**  
07970 214445

**South - John Scott**  
07711 456905

[www.twinn.info](http://www.twinn.info)

Your local Tricet distributor is:



Read all manufacturers instructions carefully.  
All products are subject to Tricet UK Limited's  
conditions of sale which are available upon request.

# TwinN

**A natural Soil Improver  
using selected Nitrogen  
Fixing Microbes**



**Sustainable Farming  
Without Pollution**



# Tricet UK Limited

[www.tricetuk.com](http://www.tricetuk.com)

# TwinN - Working towards Sustainable Farming

**TwinN** is a selected formulation of freeze dried aerobic and endophytic microbes, which utilise free atmospheric Nitrogen.

The benefits of applying **TwinN** can be:

## improved

Yields

Quality and shelf life

Health - less disease

Rooting - standing power

Soil structure and organic matter

Nutrient availability

Clovers in swards

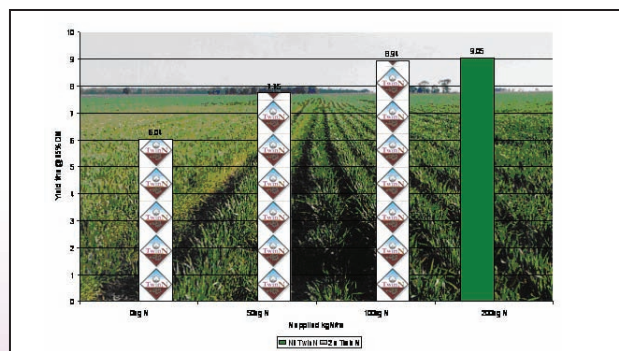
Feed intakes - increased LWG

Profits with lower costs

**TwinN** microbes function like millions of tiny nitrogen fertiliser factories, colonising the root zone and entering soil spaces too small for plant roots. Once inside these micro-spaces, they fix atmospheric nitrogen and produce gasses that create pressure within the soil structure.

The resulting increased friability improves water and air movement within the soil.

ADAS Winter Wheat trials have shown two applications of **TwinN** gave a statistically significant ( $P=0.05$ ) yield response over and above an application of 100kgN/ha, as mineral nitrogen fertiliser.



Worldwide trials with **TwinN** continue to show positive responses when used on a wide range of crops, particularly: wheat, barley, oats, osr, potatoes, roots, maize and grass.

Many fields have large reserves of phosphate and potash 'locked up' in the soil along with other essential minerals and micro-nutrients, **TwinN** will help release these elements and make them available to the plant.

**TwinN** microbes also produce organic acid metabolites that help dissolve tri-calcium phosphate and make both CA and P more plant available in the soil.

# Tricet UK Limited

During a 5 year trialling period with microbes at Warwick Agricultural College the levels of available P&K rose year on year when none was applied.

The shelf life, quality and colour of fruit and vegetables are enhanced with use of **TwinN**.

**TwinN** forms a particularly useful synergy when used with FYM and slurry. The FYM or slurry stimulates the multiplication of the **TwinN** microbe colonies. These colonies in turn increase the mineralisation process in the FYM, thus making the nitrogen and other minerals easily available to the plants.

The impact of **TwinN** on clover and other legumes such as beans and peas is particularly marked, with an increase in size and number of nitrogen fixing nodules, This is not only of benefit to the growing plant, but also there will be more nitrogen carry over for the following crop, in favourable conditions, the nodules are capable of doubling in size. This is of particular importance in an organic farming situation.

Stock benefit from better feed intakes with a subsequent increased LWG leading to earlier marketing and a lower cost of production.

