

TwinN Carbon Footprint

TwinN is used in cropping systems to allow high yields with reduced nitrogen fertilizer rates. Nitrogen fertilizer has a very high C footprint due to the high energy inputs needed in manufacturing and subsequent transport. Nitrogen fertilizer also releases nitrous oxide after application and nitrous oxide is a potent and persistent greenhouse gas. So a reduction (eg 25% reduction) in nitrogen fertilizer rates via TwinN use substantially reduces the C footprint per hectare of crops or per unit yield.

In addition to helping reduce climate heating in general an increasing number of companies are interested in being able to market their food products as having reduced C footprint. The reduction in C footprint can be readily calculated by the reduction in kg of N fertilizer applied. To enable this calculation to be accurate Mapleton Agri Biotec have had the C footprint of a hectare dose of TwinN accurately measured by an independent company. This calculation includes manufacture, packaging and transport from Australia to Europe (which is equivalent to transport to S America).

Because TwinN is very concentrated the C footprint is 1.44kg CO₂ eq/ha and companies can use this figure when calculating the C footprint of their crops. However, Mapleton Agri Biotec have taken this a step further and purchased enough C credits to totally offset our annual sales of TwinN globally. Further purchase of C credits will be made as our annual sales use up our C credits.

Please refer to the certificate over page

For more information in C footprint reductions in cropping see Carbon Conference Presentation



Mapleton Agri Biotec Pty Ltd





This is to certify

Mapleton Agri Biotec Pty Ltd

offset 1,000.00 tonnes of CO₂-e with Greenfleet.

Your support will help us restore native forests and ecosystems, which provide crucial habitat for endangered wildlife, help counter the devastating impact of the bushfires, and reduce the impacts of climate change.

Greenfleet will plant enough biodiverse native trees on your behalf to offset these emissions.

Thank you for helping us grow our forests and grow climate hope.

A handwritten signature in black ink, appearing to read "Wayne Wescott".

Wayne Wescott | Greenfleet CEO

25/10/2023

Thank you