



## EM<sup>®</sup> Ready to Use

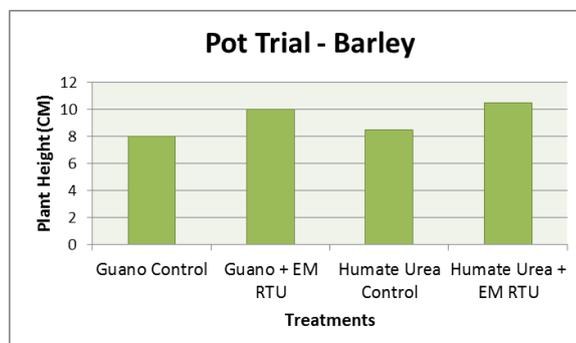
***EM<sup>®</sup> Ready to Use works by getting the natural processes to function, the way nature intended by stimulating biological activity in the soil and plant. Using EM<sup>®</sup> RTU will improve crop and pasture yields and enhance fertiliser performance.***

EM<sup>®</sup> RTU will enhance growth through:

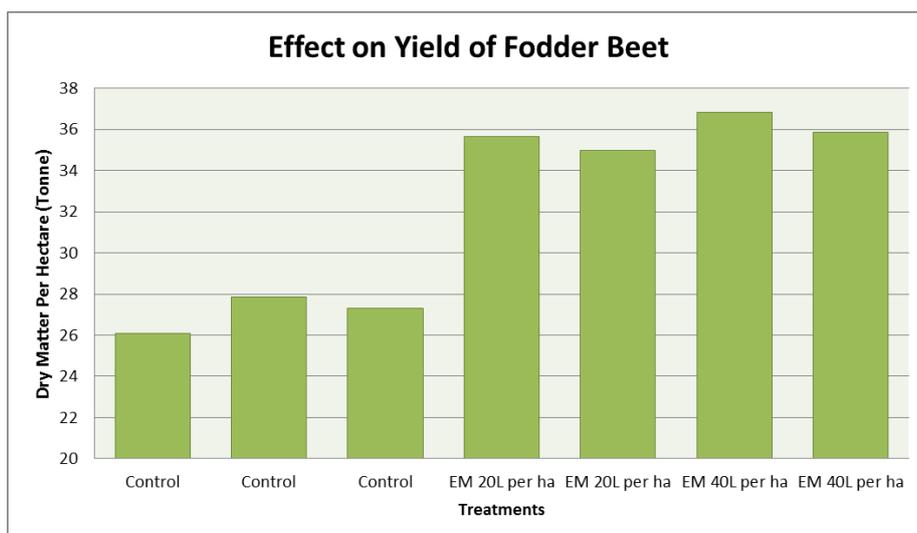
- Fixing atmospheric nitrogen
- Converting organic matter to plant nutrients
- Decomposing organic residues
- Recycling soil nutrients
- Breaking down fertiliser compounds

### Enhancing fertiliser inputs

The microbes in EM<sup>®</sup> will solubilise compounds both organic and inorganic that are largely unavailable to plants and make them available for uptake by the plants root system allowing the plant to put more energy into growth. In performing this important function the Microbes create a more efficient use of added nutrients, generating a better growth response from fertiliser inputs. Also, our research has demonstrated the ability to lower fertiliser use while still gaining the same yield. Research has shown the microbes in EM<sup>®</sup> stimulate Mycorrhizae and Trichoderma further enhancing nutrient uptake and the plants root system. EM<sup>®</sup> works effectively with most fertiliser and can be sprayed on with most pesticides and herbicides decreasing your application costs.



*“The microbes in EM RTU solubilise nutrient compounds to make them available for uptake by the plants root system; this also includes compounds previously unavailable to plants”*



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## Research

Research conducted by EMNZ and around the world has shown a significant increase in yield when applying EM<sup>®</sup> RTU and various different types of fertiliser to fodder and pasture crops. In the displayed graphs EM<sup>®</sup> RTU is shown to increase the dry matter of Triticale significantly when combined with both UAN and Guano. The previous page shows that when EM<sup>®</sup> is combined with Guano and Humate Urea you can increase plant height substantially in both cases over 20%. The Humate Urea and EM<sup>®</sup> mix slightly outperforming the Guano and EM<sup>®</sup> mix but both EM<sup>®</sup> treatments significantly outperforming their respective control treatments.

## Preparation

EM<sup>®</sup> ready to use can be applied undiluted or diluted with water. It can be combined with other products (please consult your supplier for further details).

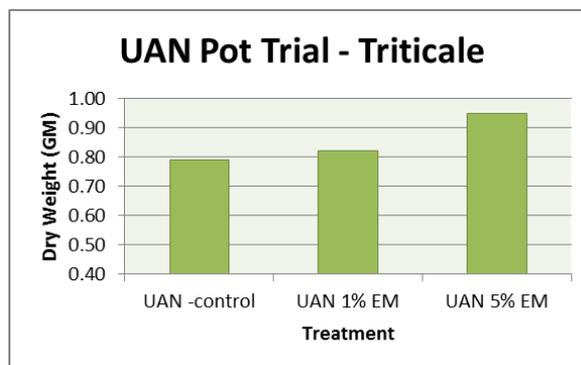
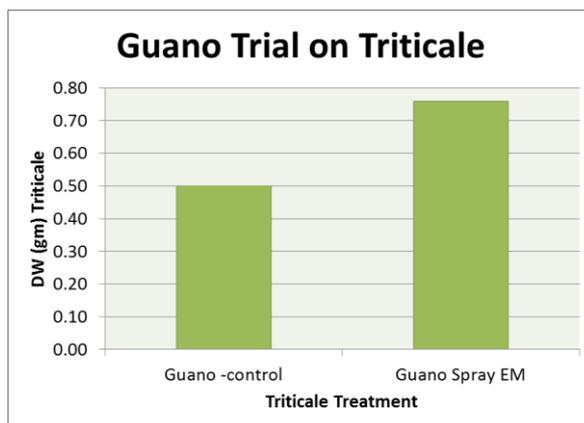
## Application rates

EM<sup>®</sup> ready to use (RTU) is a natural safe technology with many applications around farm, orchard, and vineyard environments.

- Soil and Crop application: use 5-10 litres per ha
- Foliar applications to crops: use 1% rate with water
- Compost making: use 2-3 litres per cubic metre
- Odour control: use as a spray either undiluted or diluted up to 10 times with water
- Effluent application: use at between 1:1000 and 1:5000 dilution

## Ingredients

EM1<sup>®</sup> contains Effective Microorganisms a proprietary blend of GRAS registered micro-organisms exempt from registration under the ACVM ACT 1997.



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