

Land Research Services Client Report

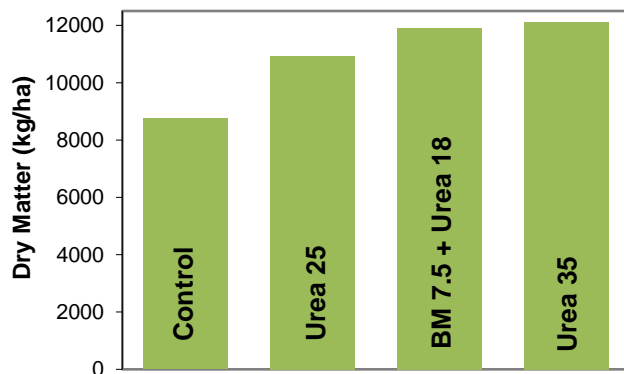
Summary of 2011/12 Bio Marinus Trial Results

The following shows the combined results of pasture growth trials conducted on both free draining and slow draining soils.

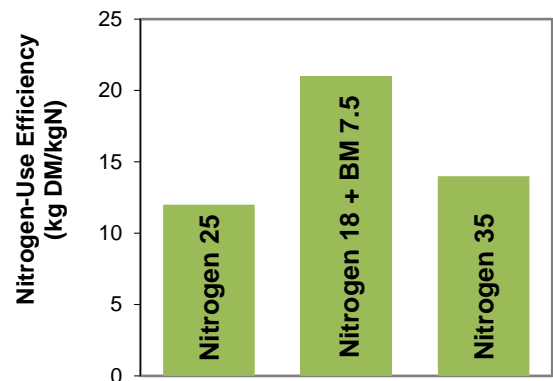
Results:

Overall, we had a significant response for the urea-alone and the combined Bio Marinus and Urea treatments over the control. Bio Marinus worked well in conjunction with Urea and allowed a lower rate of Urea to be applied for the same or better response over the higher rates of Urea alone.

- Pasture quality for the Bio Marinus and Nitrogen treatments was as high, or higher, than the Nitrogen alone treatments.
- It was interesting to note that the combined Bio Marinus and Nitrogen treatment results showed the levels of Calcium and Magnesium content were 10% higher than the Nitrogen-only treatments.
- Results showed that there were increases in dry matter production of between 6% to 15% due to the application of Bio Marinus.



Overall trial dry-matter response to Bio Marinus and Urea Treatments (L or kg N/ha). Combined spring and autumn harvests.



Overall N-use efficiency for Nitrogen 25 kg N/ha; BM 7.5 L/Nitrogen 18 kg N/ha; and 35 kg N/ha treatments.