

Zelp and Pasture (January 2015)

PLANTING

This trial was held on Roger Beattie's property at Ataahua, on a paddock called 'Back Middle'. It was divided into four 1ha sections. There was a control and 2kg Zelp/ha. It was replicated twice to give 4 sections. A mixture of seed was used. The per hectare rates were: 4kg Chicory, 2kg Plantain, 2kg Red Clover, 2kg White Clover. The same amount of seed was used in each section and 25kg of lime was used in each section to bulk out the mixture. The results were measured using a plate meter. This acts a proxy for yield by measuring the heights of the pasture.

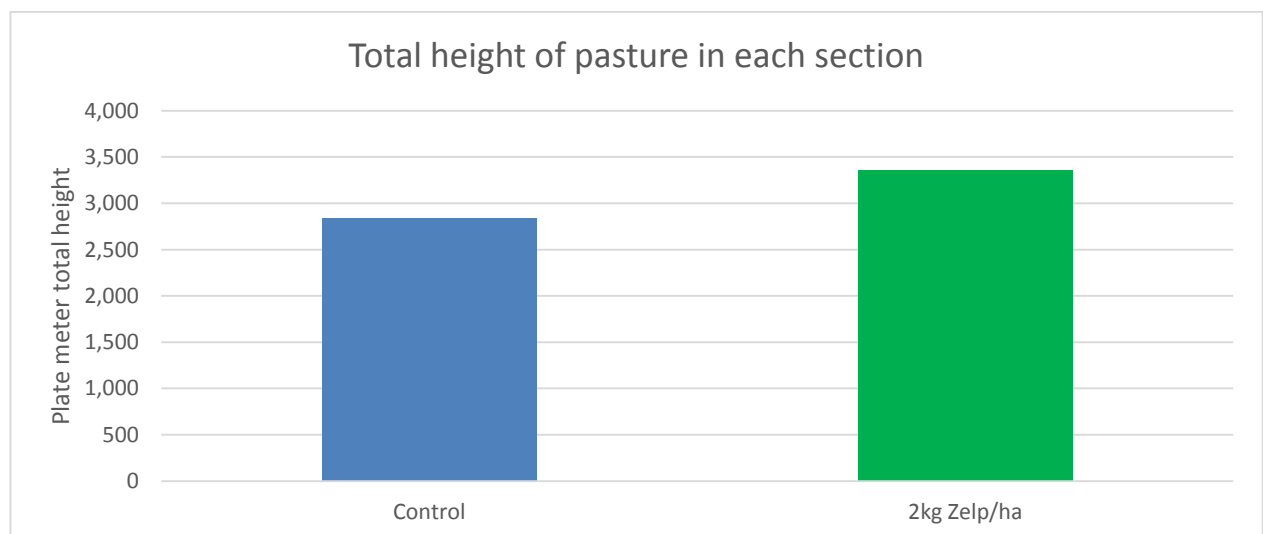


Roger Beattie adding the 2kg of Zelp to the Zelp treatments

23/10/14 - Sowing Date

26/01/2015 - Harvest Date (94 days after planting)

RESULTS



2kg Zelp/ha is 18.3% greater than the control. This figure may have been even higher because the plate meter maxed out 13 times when measuring the Zelp treatment, but just 7 times with the control.

Probable explanations for the increase in productivity when Zelp is sown with seed:

- **Zelp has extremely high antimicrobial properties** – Planted within the immediate vicinity of the seed, Zelp acts as a protective barrier to fight off harmful bacteria and fungi giving the plant a more resistant & resilient start.
- **Zelp is high in plant growth hormones** – Auxins, Cytokinins, Giberellins. These hormones help regulate cell mitosis (more, bigger, faster).
- **Zelp has a large number of bioavailable micronutrients** – These encourage plant growth and the growth of beneficial soil microbes, helping to establish crucial root symbioses
- **Zelp is high in complex polysaccharides (sugars)** – These help soil life and plant life