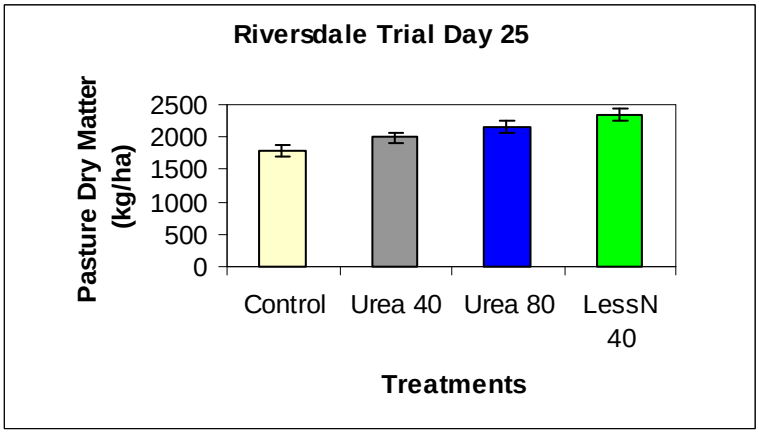
Riversdale

The trial was on a Riversdale, Southland dairy farm. It was started on 14 November 2008 and finished on 9 December 2008. The trial area was dryland ryegrass-clover based pasture under normal dairying conditions. Hay was harvested from the selected trial paddock prior to commencement of the trial. Residual pasture dry matter base line was recorded on 14 November (soil temperature 16^{0}C) and pasture growth was assessed on day 25 (17.5^{0}C).

U40 produced significantly higher DM compared to control treatment on day 25. LessN 40 produced DM similar to U80 treatment but significantly higher DM compared to U40 treatment. U80 treatment DM production was not statistically different compared to U40 treatment.

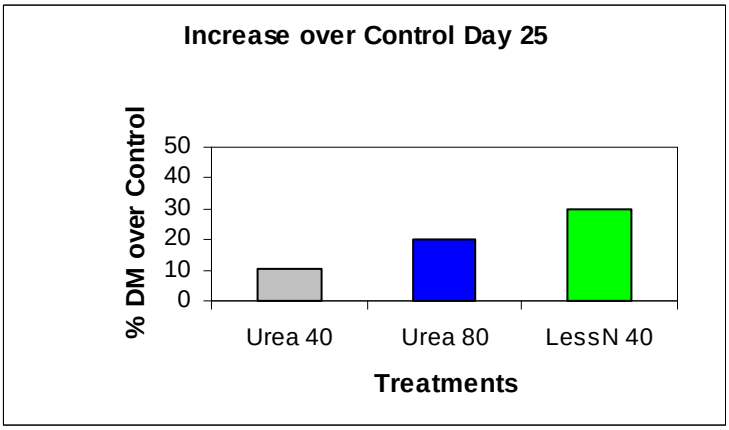
Table and Graph of Pasture Dry Matter Production (kg/ha) Day 25

Treatment	DM Rotation
Control	1799[a]
Urea 40	1991[b]
Urea 80	2162[bc]
LessN 40	2337[cd]



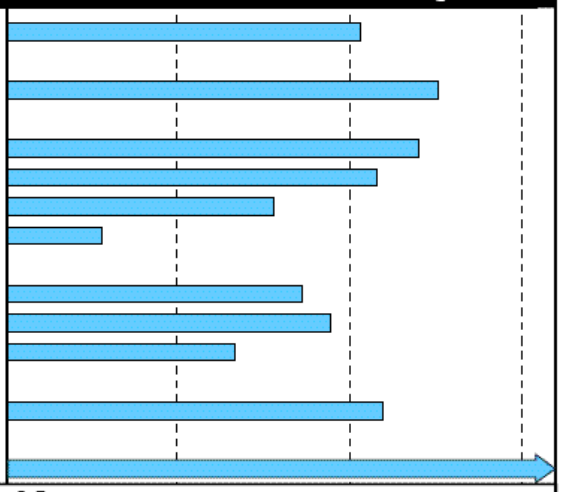
* Treatments that share the same letter are not statistically significantly different from each other (95% confidence level).

Graph of the Increase over Control (%) Day 25



Soil test report (pre treatment application)

Analysis		Level Found	Medium Range	Low / Medium / High
pH		6.4	5.8 - 6.3	
Olsen P	(mg/L)	60	20 - 30	
Potassium	(me/100g)	1.03	0.50 - 0.80	
Calcium	(me/100g)	14.0	6.0 - 12.0	
Magnesium	(me/100g)	2.10	1.00 - 3.00	
Sodium	(me/100g)	0.11	0.20 - 0.50	
CEC	(me/100g)	21	12 - 25	
Base Saturation	(%)	81	50 - 85	
Volume Weight	(g/mL)	0.73	0.60 - 1.00	
Sulphate-S	(mg/kg)	21	7 - 15	
Available N (15cm Depth)	(kg/ha)	354	150 - 250	



Base Saturation	K 4.8	Ca 66	Mg 9.9	Na 0.5
MAF Units	K 15	Ca 13	Mg 34	Na 4
Anaerobically Mineralisable N	323 ug/g			