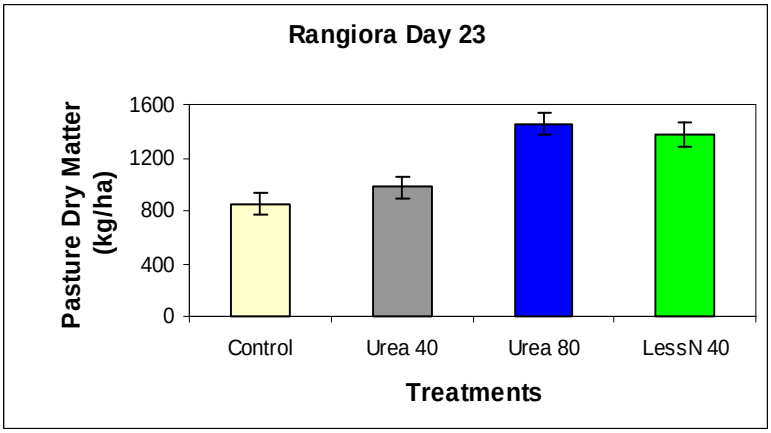
Rangiora-2

The trial was on a Rangiora dairy farm. It was started on 4 November 2008 and finished on 27 November 2008. The trial area was irrigated ryegrass-white clover based pasture under normal dairying conditions. The residual pasture dry matter base line was recorded on 4 November (soil temperature 18^0C) and pasture growth was assessed on day 23, post treatment application.

LessN 40 performed similarly to Urea 80 at Day 23 and both these treatments caused statistically significantly greater pasture growth than Urea 40 (which was not statistically significantly better than Control).

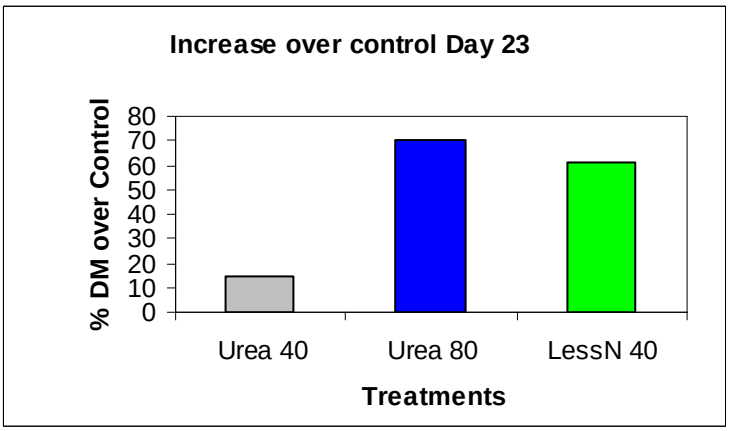
Table and Graph of Pasture Dry Matter Production (kg/ha) Day 23

Treatment	DM Rotation
Control	852[a]
Urea 40	980[a]
Urea 80	1452[b]
LessN 40	1374[b]



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

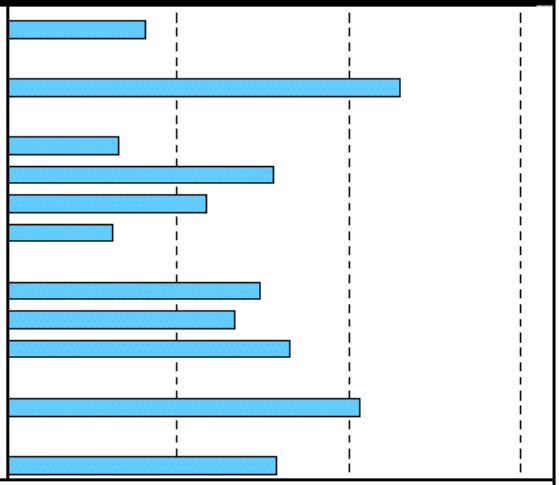
Graph of the Increase over Control (%) Day 23



DONAGHYS
PERFORMANCE FIRST

Soil test report (pre treatment application)

Analysis		Level Found	Medium Range	Low / Medium / High
pH		5.6	5.8 - 6.3	
Olsen P	(mg/L)	47	20 - 30	
Potassium	(me/100g)	0.37	0.50 - 0.80	
Calcium	(me/100g)	9.3	6.0 - 12.0	
Magnesium	(me/100g)	1.31	1.00 - 3.00	
Sodium	(me/100g)	0.12	0.20 - 0.50	
CEC	(me/100g)	18	12 - 25	
Base Saturation	(%)	61	50 - 85	
Volume Weight	(g/mL)	0.86	0.60 - 1.00	
Sulphate-S	(mg/kg)	17	7 - 15	
Available N (15cm Depth)	(kg/ha)	206	150 - 250	



Base Saturation	K 2.1	Ca 51	Mg 7.2	Na 0.7
MAF Units	K 7	Ca 10	Mg 25	Na 5
Anaerobically Mineralisable N	161 ug/g			