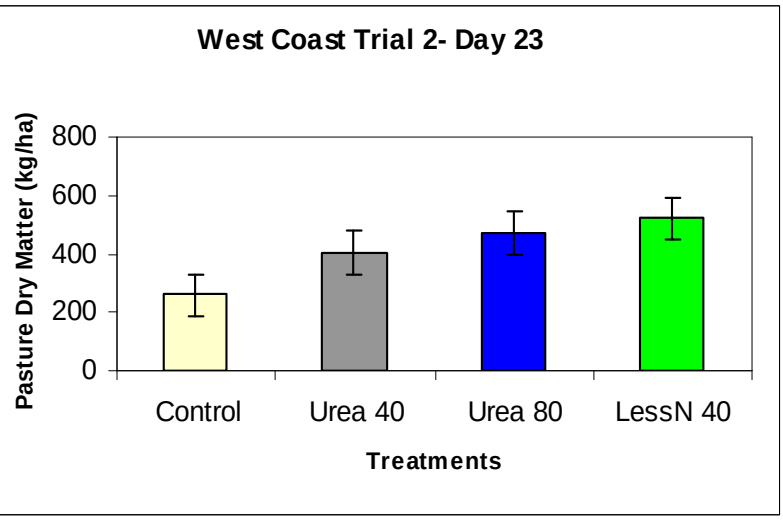
West Coast 2

The trial was on a West Coast non irrigated dairy farm. The trial area was ryegrass-clover based pasture under normal dairying conditions. Residual pasture dry matter base line was recorded on 4 February 2009 (soil temperature 21^{0}C) and pasture growth was assessed on 27 February 2009 (soil temperature 22^{0}C).

LessN 40, Urea 80 and Urea 40 treatments caused significantly greater pasture growth than Control treatment. However, LessN 40 and Urea 80 pasture growth was not significantly higher compared to Urea 40 treatment.

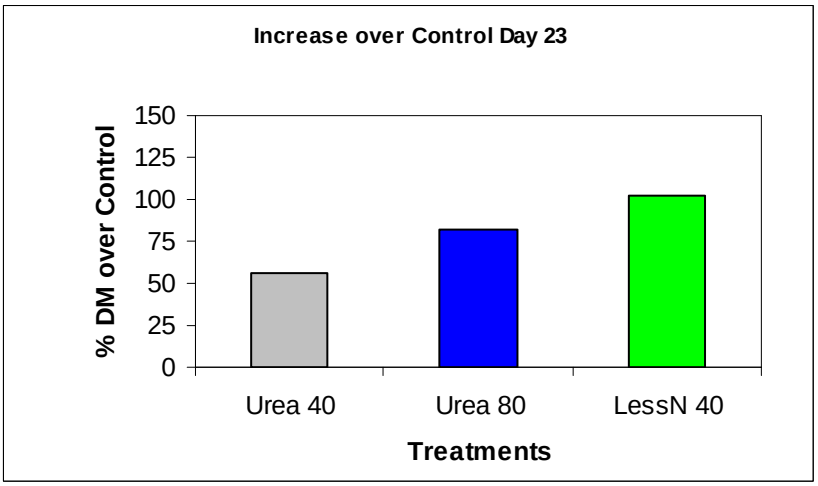
Table and Graph of Pasture Dry Matter Production (kg/ha) Day 23

Treatment	DM *
Control	258[a]
Urea 40	403[b]
Urea 80	471[b]
LessN 40	522[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



Soil test report (pre treatment application)

Analysis		Level Found	Medium Range	Low	Medium	High
pH		5.8	5.8 - 6.3			
Olsen P	(mg/L)	34	20 - 30			
Potassium	(me/100g)	0.30	0.50 - 0.80			
Calcium	(me/100g)	11.4	6.0 - 12.0			
Magnesium	(me/100g)	1.05	1.00 - 3.00			
Sodium	(me/100g)	0.10	0.20 - 0.50			
CEC	(me/100g)	20	12 - 25			
Base Saturation	(%)	63	50 - 85			
Volume Weight	(g/mL)	0.80	0.60 - 1.00			
Sulphate-S	(mg/kg)	3	7 - 15			
Available N (15cm Depth)	(kg/ha)	343	150 - 250			

Base Saturation	K 1.5	Ca 56	Mg 5.2	Na 0.5
MAF Units	K 5	Ca 12	Mg 19	Na 4
Anaerobically Mineralisable N	284 ug/g			