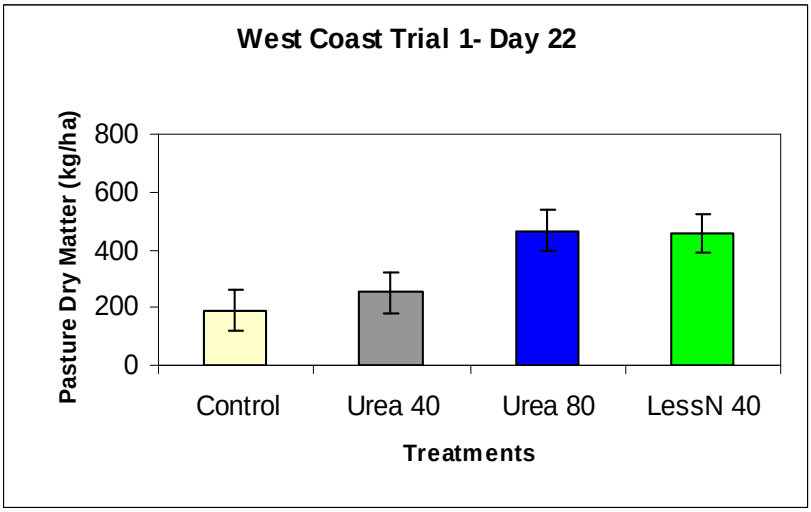
West Coast 1

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 22^0C) and pasture growth was assessed on 26 February 2009 (soil temperature 24^0C).

LessN 40 performed similarly to Urea 80 at Day 22 post treatment application, and both these treatments caused statistically significantly greater pasture growth than Urea 40 and Control treatments. Urea 40 was not statistically significantly better than Control.

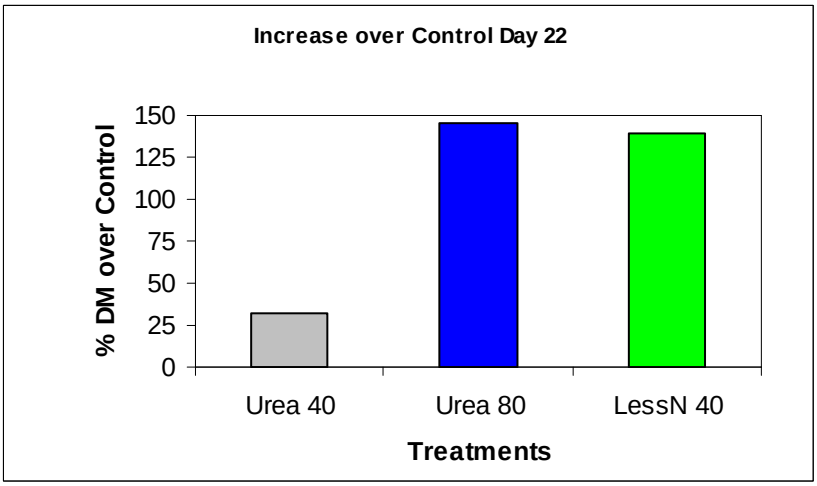
Table and Graph of Pasture Dry Matter Production (kg/ha) Day 22

Treatment	DM *
Control	190[a]
Urea 40	251[a]
Urea 80	467[b]
LessN 40	455[b]



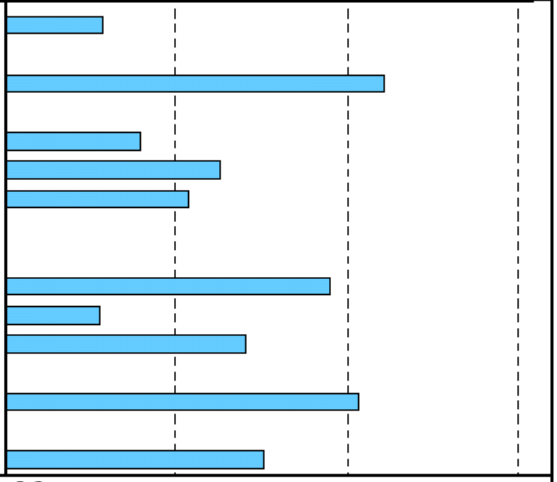
* Treatments that share the same letter are not statistically significantly different from each other (95% confidence level).

Graph of the Increase over Control (%) Day 22



Soil test report (pre treatment application)

Analysis		Level Found	Medium Range	Low / Medium / High
pH		5.5	5.8 - 6.3	
Olsen P	(mg/L)	42	20 - 30	
Potassium	(me/100g)	0.42	0.50 - 0.80	
Calcium	(me/100g)	7.5	6.0 - 12.0	
Magnesium	(me/100g)	1.14	1.00 - 3.00	
Sodium	(me/100g)	< 0.05	0.20 - 0.50	
CEC	(me/100g)	24	12 - 25	
Base Saturation	(%)	39	50 - 85	
Volume Weight	(g/mL)	0.76	0.60 - 1.00	
Sulphate-S	(mg/kg)	17	7 - 15	
Available N (15cm Depth)	(kg/ha)	200	150 - 250	



Base Saturation	K 1.8	Ca 32	Mg 4.8	Na 0.2
MAF Units	K 7	Ca 7	Mg 19	Na < 2
Anaerobically Mineralisable N	176 ug/g			