West Eyreton

The trial was on a West Eyreton new pasture (2½ years old) dairy farm. It was started on 29 September 2008 and is ongoing. The trial area was irrigated ryegrass-white clover based pasture under normal dairying conditions.

In grazing rotation 1, residual pasture dry matter base line was recorded on 29 September (soil temperature 10^0C) and pasture growth was assessed on Day 22 before the paddock was planned to be grazed. LessN 40 performed similarly to Urea 80 at Day 22 and both these treatments caused statistically significantly greater pasture growth than Urea 40. Urea 40 in turn was statistically significantly better than Control.

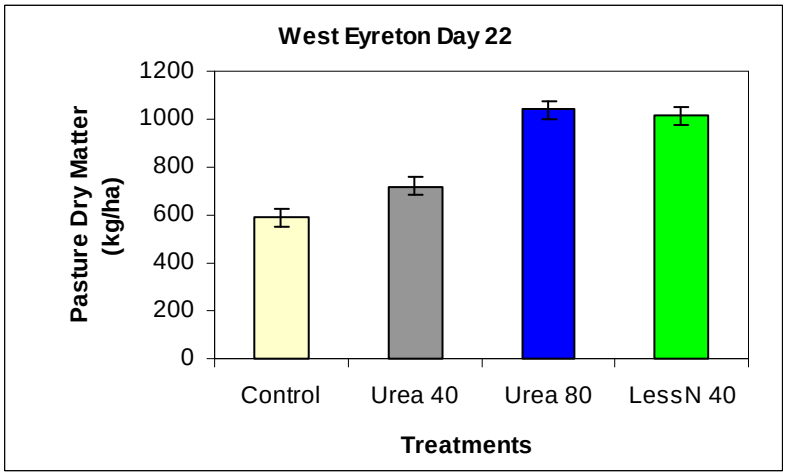
In grazing rotation 2, residual pasture dry matter base line was recorded after grazing the first rotation growth. Before the rotation 2 grazing pasture dry matter was assessed on Day 15. Urea 40 performed similarly to the Control treatment. Urea 80 at Day 15 caused statistically significantly greater pasture growth than Urea 40. LessN 40 in turn was statistically significantly better than Urea 80.

In grazing rotation 3, residual pasture dry matter base line was recorded after rotation 2 grazing. Before the rotation 3 grazing pasture dry matter was assessed on Day 17. LessN 40 performed similarly to Urea 80 and both these treatments caused statistically significantly greater pasture growth than Urea 40. Urea 40 in turn was not statistically significantly better than Control.

Grazing Rotation 1

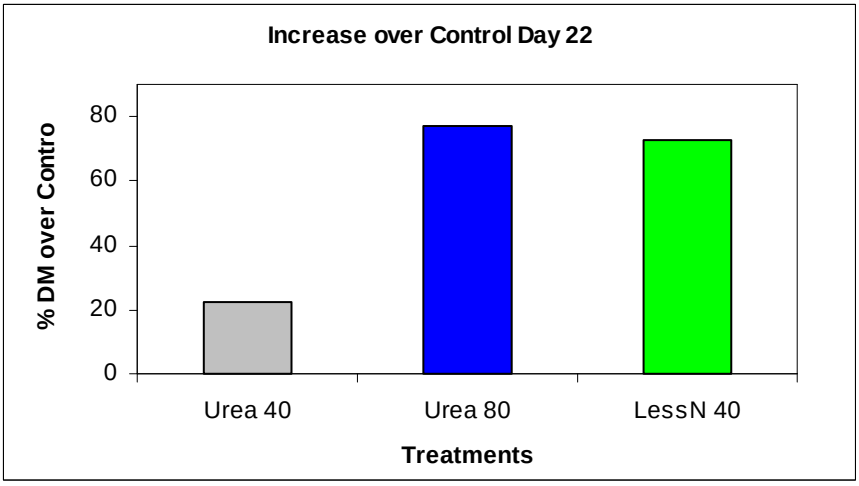
Table and Graph of Pasture Dry Matter Production (kg/ha) Day 22

Treatment	DM Rotation 1*
Control	588[a]
Urea 40	718[b]
Urea 80	1040[c]
LessN 40	1015[c]



* 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

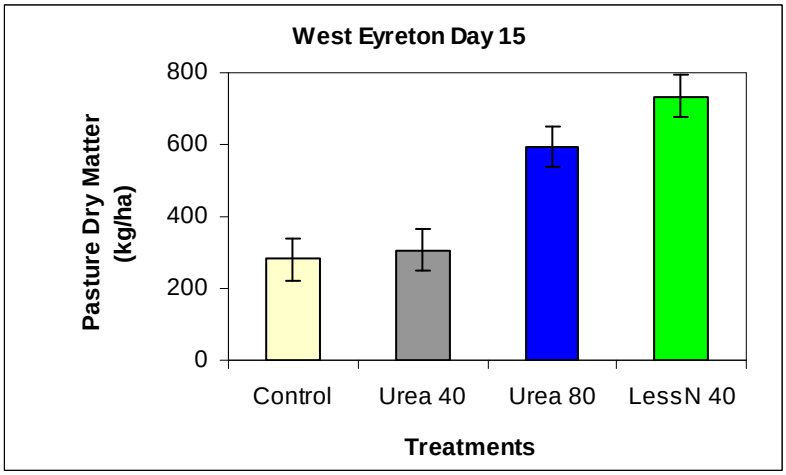


Grazing Rotation 2

Without reapplication of treatments.

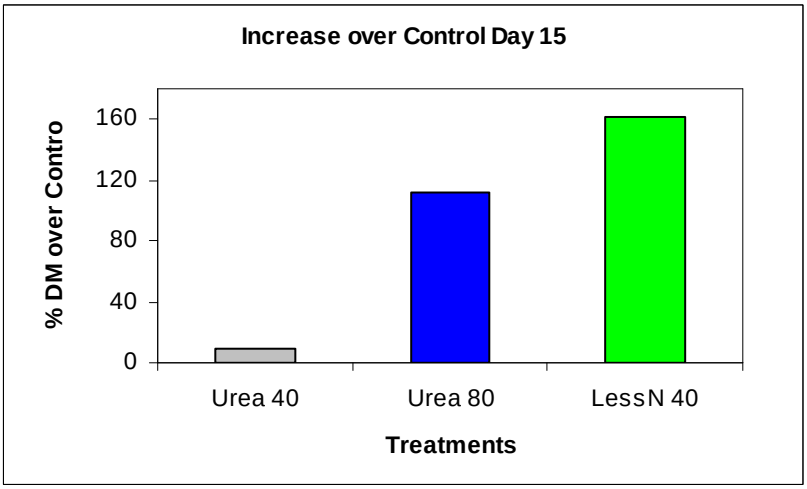
Table and Graph of Pasture Dry Matter Production (kg/ha) Day 15

Treatment	DM Rotation 2*
Control	281[a]
Urea 40	307[a]
Urea 80	594[b]
LessN 40	736[c]



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

Graph of the Increase over Control (%) Day 15

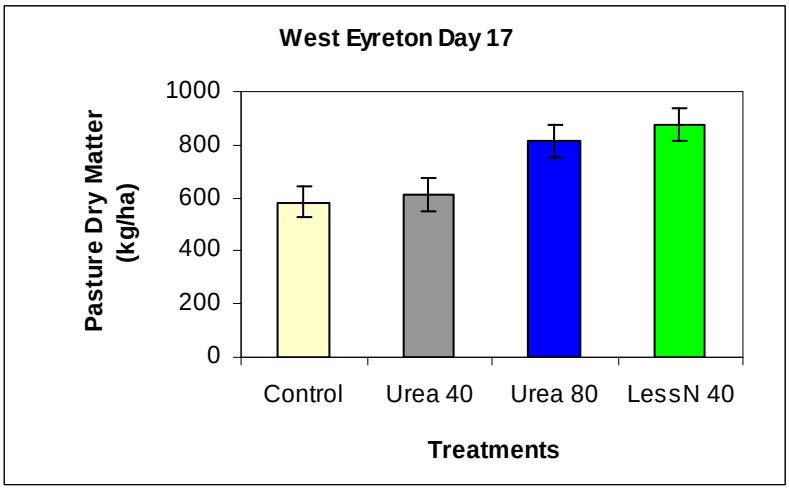


Grazing Rotation 3

Without reapplication of treatments.

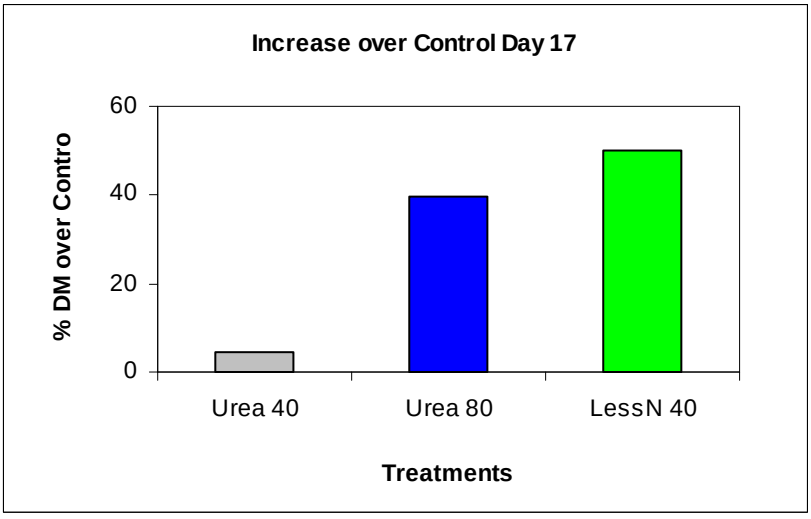
Table and Graph of Pasture Dry Matter Production (kg/ha) Day 17

Treatment	DM Rotation 3*
Control	585[a]
Urea 40	612[a]
Urea 80	817[b]
LessN 40	877[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 17



Soil test report (pre treatment application)

Analysis		Level Found	Medium Range	Low / Medium / High
pH		6.0	5.8 - 6.3	
Olsen P	(mg/L)	35	20 - 30	
Potassium	(me/100g)	0.88	0.50 - 0.80	
Calcium	(me/100g)	10.7	6.0 - 12.0	
Magnesium	(me/100g)	1.96	1.00 - 3.00	
Sodium	(me/100g)	0.12	0.20 - 0.50	
CEC	(me/100g)	20	12 - 25	
Base Saturation	(%)	70	50 - 85	
Volume Weight	(g/mL)	0.85	0.60 - 1.00	
Sulphate-S	(mg/kg)	19	7 - 15	
Available N (15cm Depth)	(kg/ha)	214	150 - 250	
Base Saturation		K 4.5	Ca 55	Mg 10.1	Na 0.6
MAF Units		K 15	Ca 11	Mg 38	Na 5
Anaerobically Mineralisable N		168 ug/g			