

N rate, kg ha ⁻¹	Lake Carl Blackwell			Summers		
	Forage yield	Grain yield	Height	Forage yield	Grain yield	Height
0	8.6	835	75.2	10.3	856	77.7
22	10.2	847	86.4	10.7	992	71.0
45	11.3	968	81.7	12.7	1142	76.6
67	12.5	1199	91.8	12.7	1260	70.8
90	14.0	1167	90.0	9.9	1139	68.9
112	15.7	1011	92.3	11.1	1124	75.5
Linear	***	***	***	ns	ns	ns
Quadratic	ns	*	ns	ns	*	ns
P rate, kg ha ⁻¹						
0	9.0	828	82.5	9.3	670	72.9
25	8.6	835	75.2	10.3	856	70.7
52	8.3	996	74.8	11.2	1100	72.9
P linear	ns	*	*	ns	*	ns
P quadratic	ns	ns	ns	ns	ns	ns
Pre-top vs top	ns	ns	ns	ns	ns	ns

* and *** significant at the 0.05 and 0.001 levels of probability, respectively; ns- non-significant at p=0.05.