

# Nutrient Requirements for Land at Park Farm

						N			P <sub>2</sub> O <sub>5</sub>				K <sub>2</sub> O				Mg							
Field Reference	Total Area	Sprd Area	Previous Crop	Next Crop	pH	SNS	Req	*In Wst	P	Req	Crop Use	*In Wst	K	Req	Crop Use	*In Wst	Mg	Req	*In Wst	Rate	Totals			
						kg/ha	kg/ha	kg/ha	Ind	kg/ha	kg/ha	kg/ha	Ind	kg/ha	kg/ha	kg/ha	Ind	kg/ha	kg/ha	kg/ha	Ind	kg/ha	kg/ha	t/ha
1	3.18	3.01	Grass	Grass	6.1	Mod	235	145.5	2	85	65	50.5	2-	170	228	7.5	3	0	4.7	85	256			
2	5.66	5.15	Grass	Grass	6	Mod	235	145.5	1	145	65	10.1	2-	170	228	7.5	3	0	4.7	85	438			
3	2.32	2.32	Grass	Grass	5.9	Mod	235	145.5	2	85	65	50.5	2-	170	228	7.5	3	0	4.7	85	197			
4	3.31	3.03	Grass	Grass	5.8	Mod	235	145.5	1	145	65	10.1	2+	120	228	7.5	3	0	4.7	85	258			
6	7.38	5.97	Grass	Grass	5.9	Mod	235	145.5	1	145	65	10.1	2-	170	228	7.5	3	0	4.7	85	507			
7	3.31	2.98	Grass	Grass	5.9	Mod	235	145.5	1	145	65	10.1	2+	120	228	7.5	3	0	4.7	85	253			
8	5.11	5.10	Grass	Grass	5.9	Mod	235	145.5	1	145	65	10.1	2-	170	228	7.5	3	0	4.7	85	434			
9	7.43	6.29	Grass	Grass	6.5	Mod	235	145.5	0	205	65	10.1	0	260	228	1.5	3	0	4.7	85	535			
10	5.87	5.18	Grass	Grass	6.4	Mod	235	145.5	0	205	65	10.1	0	260	228	1.5	3	0	4.7	85	440			
11	8.43	6.92	Grass	Grass	6.6	Mod	235	145.5	0	205	65	10.1	0	260	228	1.5	3	0	4.7	85	588			
Ha	52.00	45.95																			3650			

Grass = 2 cut silage with aftermath grazing, FB = fodder beer

Nutrient requirement based on values for grass with 2 cuts of silage (23&15 t FW/ha) with aftermath grazing (target DM yield 9-12t/ha) described in RB209 (2020)

Grass crop use based on yield totalling 38t/ha where 1.7kg/t P<sub>2</sub>O<sub>5</sub> and 6.0kg/t K<sub>2</sub>O removed in offtake (RB209, 2020)

To account for aftermath grazing, 1/2 of the P & K requirement for grazing has been added, and 10kg/ha P and 20kg/ha K is added to crop use

\*N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O and Mg stated are **available** concentrations in units of kg/ha

**\*\*Total** P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O stated where soil indices ≥2