

18	amount of N P K Na Mg Si in 1 tonne of hay	13	N2 P K Na Mg (with straw 1856-1897)
		12	Nil
		11/2	N3 P K Na Mg Si
		11/1	N3 P K Na Mg
		10	N2 P Na* Mg (with sawdust 1856-1862; with K 1856-1861)
		9	N2 P K Na Mg
		8	P Na* Mg (with sawdust 1856-1862; with K 1856-1861)
		7	P K Na Mg
		6	P K Na Mg (N2 1856-1868; with sawdust 1856-1862)
		5/2	P K (N2 1856-1897)
		5/1	Nil (N2 1856-1897)
		4/2	N2 P (with sawdust 1856-1858)
		4/1	P (with sawdust 1856-1858)
19	N\$1 PK	3	Nil
		2	Nil (FYM 1856-1864)
		1	N1 (with FYM 1856-1863)
20	N\$1 PK	14	N*2 P K Na Mg
		15	P K Na Mg (N*2 1858-1875)
		16	N*1 P K Na Mg
		17	N*1

The Park Grass Experiment Plot layout and treatments 1856 - 1902

Plot treatments

(per hectare per year unless indicated)

Nitrogen (applied in spring)

N1, N2, N3, N4: ammonium sulphate supplying

48, 96, 144, 192 kg N and 55, 110, 165, 220 kg S

N*1, N*2: sodium nitrate supplying

48, 96 kg N and 78, 157 kg Na

N\$1: Potassium nitrate supplying 48 kg N and 130 kg K

Minerals (applied in winter)

P: triple superphosphate supplying 35 kg P

K: potassium sulphate supplying 225 kg K

and 99 kg S (135 kg K and 60 kg S to 1878)

Na: sodium sulphate supplying 15 kg Na

and 10 kg S (30 kg Na and 10 kg S 1856-63)

Na*: sodium sulphate supplying 38 kg Na

and 25 kg S 1864-1904

Mg: magnesium sulphate (Epsom salts)

supplying 10 kg Mg and 13 kg S

Si: water soluble sodium silicate supplying

135 kg Si and 63 kg Na

Plot 18: amount of N, P, K, Na, Mg and Si in 1 tonne of hay, c. 39 kg N

Organic manures:

FYM: 35 t farmyard manure supplying

c. 240 kg N, 45 kg P, 350 kg K,

25 kg Na, 25 kg Mg, 40 kg S, 135 kg Ca

Straw: 2.24 t cut wheat straw

Sawdust: 2.26 t sawdust

For more details see 'Fertilizer Treatments 1856 to the present'

For details of lime applications, see lime/chalk table.

Plots 1-13 started in 1856, plots 14-17 in 1858, plot 18 in 1865 and plots 19 and 20 in 1872.

Plots range in size from 0.05 to 0.20 ha

