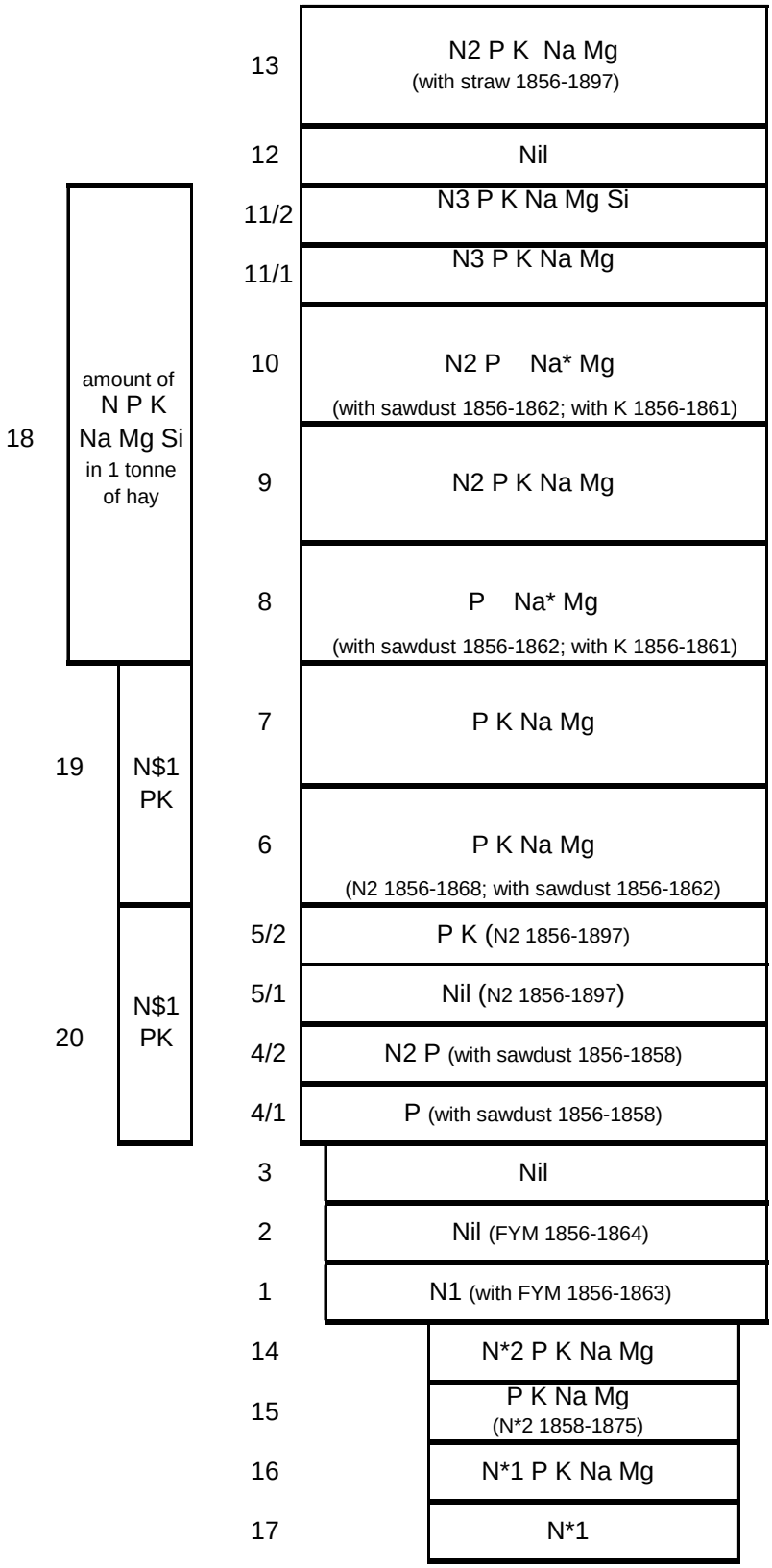

The Park Grass Experiment
Plot layout and treatments 1856 - 1902

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