



The Park Grass Experiment Plot layout and treatments 1903 - 1964

Plot treatments

(per hectare per year unless indicated)

Nitrogen (applied in spring)

N1, N2, N3 : ammonium sulphate supplying 48, 96, 144 kg N and 55, 110, 165 kg S

N*, N*1, N*2: sodium nitrate supplying 30, 48, 96 kg N and 49, 78, 157 kg Na

Minerals (applied in winter)

P: triple superphosphate supplying 35 kg P

K: potassium sulphate supplying 225 kg K and 99 kg S

Na: sodium sulphate supplying 15 kg Na and 10 kg S

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 20: In years when FYM is not applied: 30 kg N*, 15 kg P, 45 kg K

Organic manures: (applied every 4th year)

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
Applied once every 4 years since 1905

Fishmeal: Applied once every 4 years since 1907 supplying c. 63 kg N

Lime: A liming scheme was started in most plots from 1903, see lime/chalk table

L = limed, U = unlimed

HL = heavy lime, LL = light lime

Sub-plots range in size from 0.02 to 0.10 ha

