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Collection of Plans for the Exhaustion Land Experiment

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Exhaustion Land 1979

Rothamsted Research

Rothamsted Research (1973-1986) *Exhaustion Land 1979* ; Collection Of Plans For The Exhaustion Land Experiment, pp 10 - 10

Rothamsted EXHAUSTION LAND 12 4 Year BARLEY HOOSFIELD 1979

Sponsors: J.F. Jenkin, A.E. Johnston, J. McCuen

TREATMENTS per hectare (acre)

N to Sub-Plots

0, 1, 2, 3 (N rates rotate every year)
None, 48, 96, 144 kg N as Nitro-Chalk
(- 43, 86, 129 lb N)

Basal manuring: None

Variety: Julia, seed dressed with ethion^{not}
Sown at 140 lb/acre (157 kg/ha) on 18 April

Residuals of Manures applied to POTATO
Annually 1876 - 1901

- NPK D
No manure since 1852
400 lb (448 kg/ha) sulphate of ammonia
550 lb (617 kg) nitrate of soda
400 lb (448 kg) superphosphate } K²O
300 lb (336 kg) sulphate of potash } N
100 lb (112 kg) sulphate of soda } Na₂O
100 lb (112 kg) sulphate of magnesia }
14 tons (35 tonnes) farmyard manure

Plot area: 17'6" x 34'5" = 0.139 acre (0.056)
Sub-plot 17'6" x 8'4" = 0.034 acre (0.014)
Harvested: 9'4" x 8'4" = 0.018 acre (0.0073)

* N sequence 1976 77 78 79 80 81
0 1 2 3 1 0 3
1 3 0 3 3 2 3
3 3 1 2 0 1 2

