

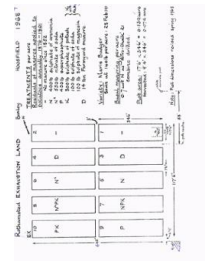
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Exhaustion Land 1986

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Rothamsted Research (1973-1986) *Exhaustion Land 1986* ; Collection Of Plans For The Exhaustion Land Experiment, pp 17 - 17

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86/R/EX/4 ROTHAMSTED EXHAUSTION LAND 131 SE. YEAR S. BARLEY HOOSFIELD 1986

Sponsors: J.F. Jenkyn, A.E. Johnston, J. McEwen

TREATMENTS Per 1a. (acre)

N to sub-plots (most half plots 02, 04, 06, 08, 10), in 1986. Started on all plots 1976.

- 1, 2, 3. None, 48, 96, 144 kg N as Nitram '33.5% N' (- , 43, 86, 129 lb N)

N sequence - to 3 to 2 to 1, rotating every year.

P to sub-plots (East half only plots 01, 03, 05, 07, 09) started 1986

- None
P1 100 kg P₂O₅ (annually until index 1 achieved on most impoverished plots)
P2 200 " " { Annually until index 2 achieved }
P3 300 " " { " " " 3 " }

BASAL MANURING (Eastern half plots 01, 03, 05, 07, 09) started 1986

N at 144 kg N ha⁻¹ + K at 100 kg K₂O ha⁻¹

VARIETY Triumph, dressed 'Baytan', followed by fungicide spray as recommended by county adviser

RESIDUALS OF MANURES APPLIED TO POTATOES ANNUALLY 1876-1901

- No manure since 1852

N 400 lb/ac (448 kg/ha) Sulphate of ammonia
*N 550 " " (617 " ") Nitrate of soda
P 400 " " (448 " ") Superphosphate
K 300 " " (336 " ") Sulphate of potash
100 " " (112 " ") Sulphate of soda
100 " " (112 " ") Sulphate of Magnesia
FYM 14 tons (35 tonnes) Farmyard manure

PLOT AREA 17'6" x 34'5" = 0.139 ac (0.056 ha)
17'6" x 84' = 0.034 " (0.014 ")
144' 9'4" x 84' = 0.018 " (0.0073 ")

