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Collection of Plans for the Exhaustion Land Experiment

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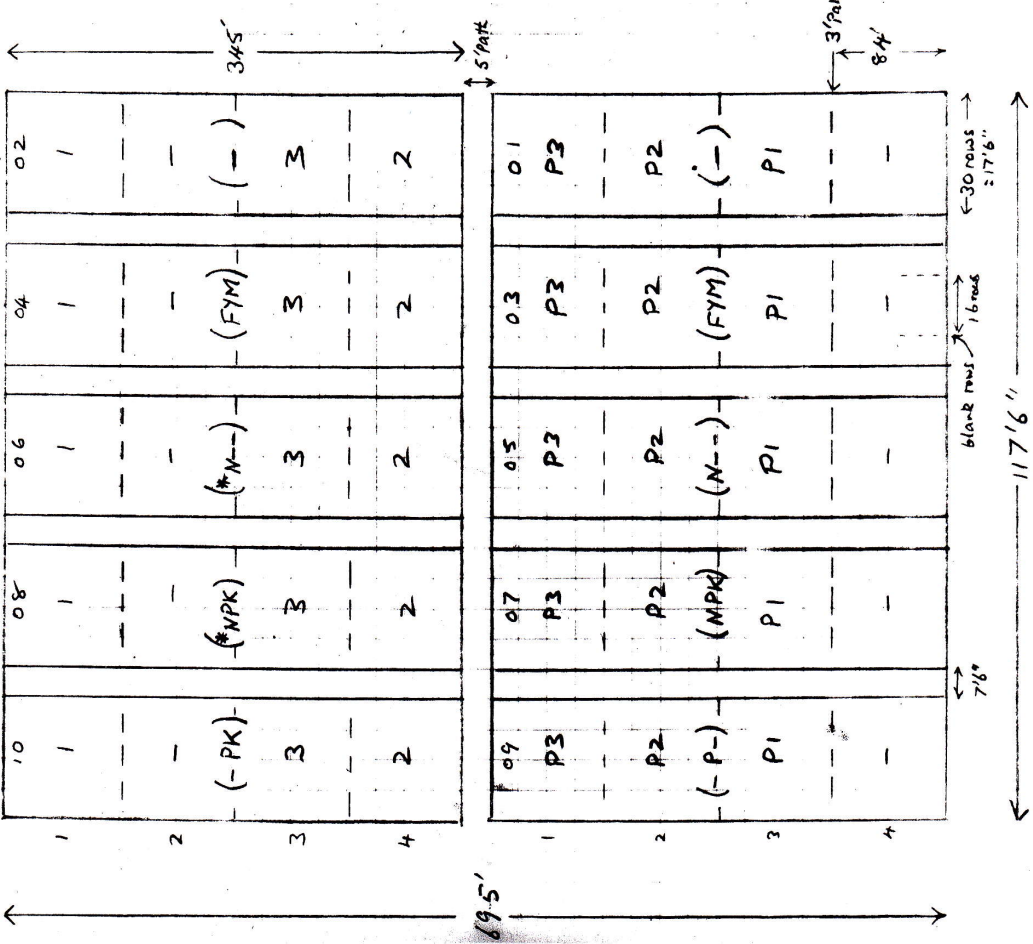
Exhaustion Land 1986

Rothamsted Research

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 Aa. (acre)
 N to sub-plots (most half plots 0.7, 0.4, 0.6, 0.8, 1.0), in 1986. Started on all plots 1976.

1, 1, 2, 3. None, 48, 96, 144 kg N as Nitrate, 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 0.1, 0.3, 0.5, 0.7, 0.9) 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 0.1, 0.3, 0.5, 0.7, 0.9) started 1986
 N at 144 kg N ha⁻¹ + K at 100 kg K₂O ha⁻¹

VARIETY Triumph, dressed 'Baytan', followed by fungicide strips as recommended by county miller
 approx 2 May

RESIDUALS OF MANURES APPLIED TO POTATOES ANNUALLY 1876-1901

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 345' = 0.139 ac (0.056 ha)
 17'6" x 84' = 0.034 " (0.014 ")
 84' x 9'4" x 84' = 0.018 " (0.0073 ")