

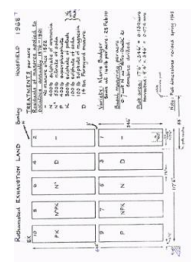
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# Collection of Plans for the Exhaustion Land Experiment

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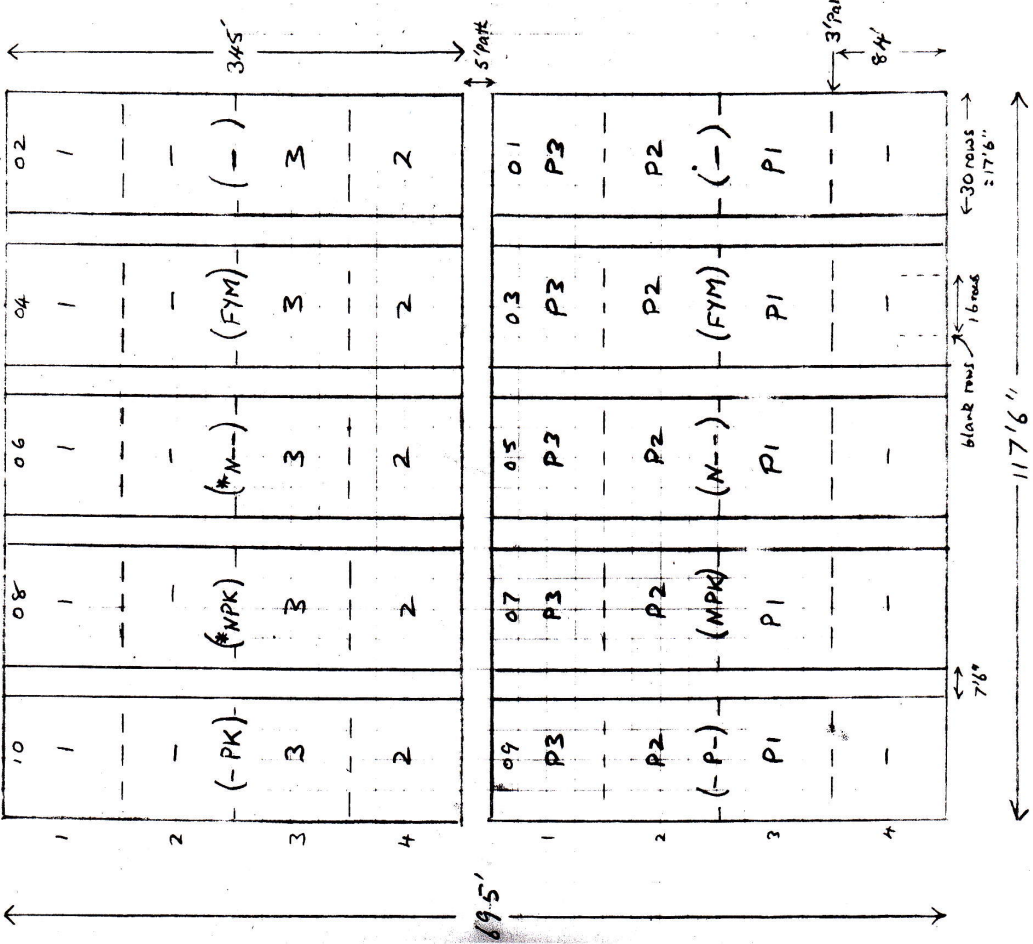
## Exhaustion Land 1986

### Rothamsted Research

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

4

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, 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 (most half only plots 01, 03, 05, 07, 09) started 1986

None

P1 100 kg P<sub>2</sub>O<sub>5</sub> (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<sup>-1</sup> + K at 100 kg K<sub>2</sub>O ha<sup>-1</sup>

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

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

} K, with Na, Mg.

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 " )