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ROTHAMSTED
RESEARCH

Collection of Plans for the Exhaustion Land Experiment

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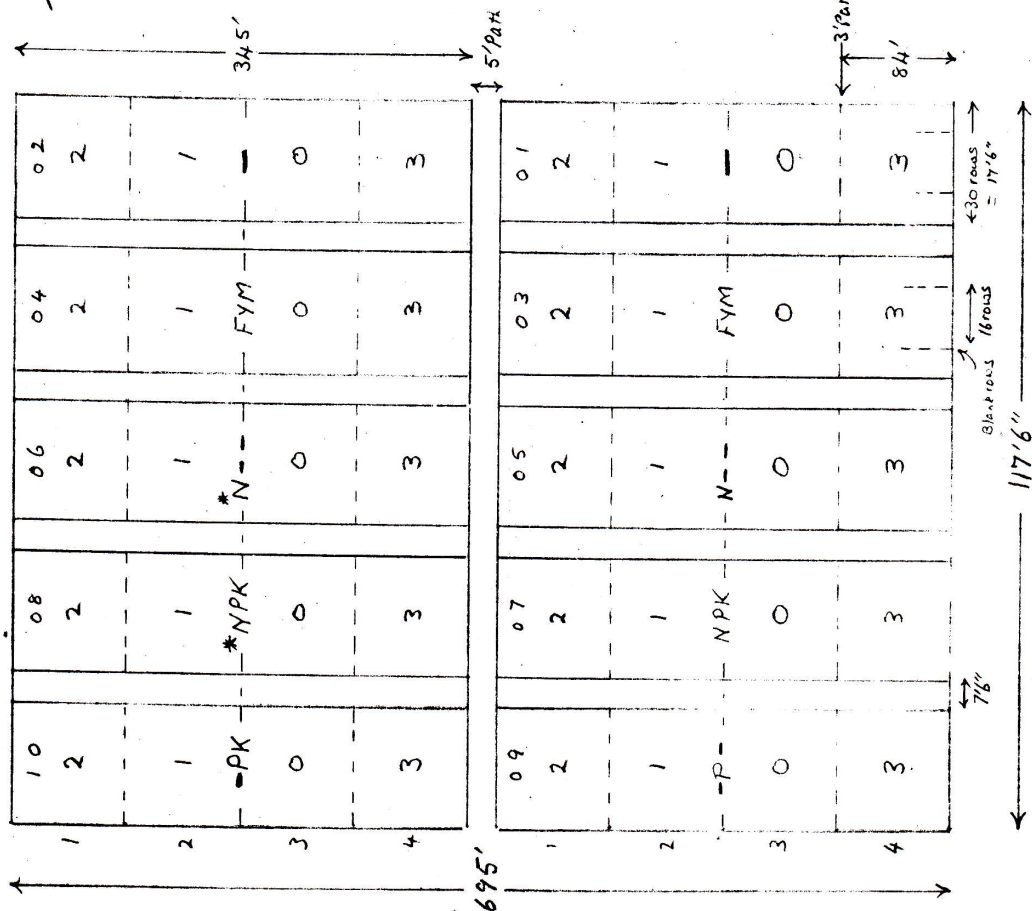
Exhaustion Land 1981

Rothamsted Research

Rothamsted Research (1973-1986) *Exhaustion Land 1981* ; Collection Of Plans For The Exhaustion Land Experiment, pp 12 - 12

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81/R/EX/14 ROTHAMSTED EXHAUSTION LAND 126th YEAR BARLEY HOOSFIELD 1981



Sponsors: T. Fenby, A.E. Johnston, J. McEwen

TREATMENTS Per hectare (acre)

N to Sub-Plots (Started 1976)

(N rates rotate every year)

0, 1, 2, 3 None, 48, 96, 144 kg N as Nitro-Chalk, 26% N
(-, 43, 86, 129 lb N)

BASAL MANURING: None

VARIETY: Georgie, seed dressed with Ekaminol
Sown at 140 lb/acre (157 kg/ha) on 18 February

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 345' = 0.139 AC (0.056 ha)

Sub-Plot 17'6" x 84' = 0.034 " (0.014 ")

Harvested 9'4" x 84' = 0.018 " (0.0073 ")

T	N sequence	1980	'81	'82	'83	'84	'85
		0	3	2	1	0	3
		1	0	3	2	1	0
		2	1	0	3	2	1
		3	2	1	0	3	2