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Yields of the Field Experiments 1875



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Experiments on Barley; Hoos Field

Rothamsted Research

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D.	LAND,
FIELD	BAME
70	THE
HOOS	R ON

Provious Cropping-1847, Swedish Turnips, with Dung and Superphosphate of Lime, the Roots carted off; 1848, Barley; 1849, Clover; 1850, Wheat; 1851, Barley manured TTH DIFFERENT KINDS OF MANURE. EXPERIMENTS ON THE GROWTH OF BARLEY YEAR AFTER YEAR

		PLOTS.		4 3 0. 0.	1 2 4 2 4 4 4	1 AA. 3 AA. 4 AA.	1 AAS. 2 AAS. 3 AAS. 4 AAS.	1000 1000			$\frac{1}{2}$ 6	7	manured in the same way as the duce is given for the whole period only, each year since. without Nitrate of Soda, the first
	on, 1874.		Total Straw.	cwts. 988 7385 88 88 88 88	124 203 153 153 282	15 273 184 277	207 284 333 855	241 244 244 244 244 244	19 234	52.88 52.88	- 00 G		in the same ven for the 1 year since. Itrate of So
	Twenty-third Season, 1874.	Dressed Corn.	Weight Per Buebel	1 ^{lbs.} 54 ³ 55 56 ³ 56 ³	545 545 5545 572	55 54 55 57 27	552 562 562 562 562 562 562 562 562 562	574 574 574 57	55 <u>1</u> 56 <u>8</u>	564 57ª 55	$54\frac{3}{4}$	578 57 <u>8</u> 57 <u>8</u>	s, manured roduce is gi i. only, eacl without N
PER ACRE	Twenty	Dresse	Quantity.	Bushels. 175 214 18 18	231 423 453 45 45 45	30‡ 53≩ 32 51∦	873 513 416 544 544	471 498 498 494 24	358 423	$\frac{17}{42\frac{1}{2}}$	16 ¹ / ₂	$\left\{ 46\frac{1}{2} \\ 64\frac{1}{2} \\ 6$	are, in other respects, latter, the <i>average pro</i> . x years, and 1000 lbs. perphosphate of Lime, v
JOE	um, over -1871.		Total Straw.	cwts. 11.8 13.8 12.1 14.8	184 2784 20088	221 304 3248 3248 328	$23_{ m g}^2$ $30_{ m g}^2$ $25_{ m g}^2$ $33_{ m g}^2$	267 288 271 294	227 261 (11)		123	28 ¹	are, in of a latter, the ix years, ar perphospha
	Average per Annum, ove 20 Years, 1852-1871.	Dressed Corn.	Weight Per Bushel	523 534 534 533 53	52 53 54 54 54 54 54 54 54 54 54 55 54 55 55	522 522 522 522 522 522 525 525 525 525	524 538 538 538 538	01 01 01 01 01 01 02 02 02 03 05 02 03 05 02 05 05 05 05 05 05 05 05 05 05 05 05 05 05 05 05 05 05 05 0	525 (11) 525 (11)	_	52 <u>5</u> 525	543	e been, and on with the the first s
	Averag 20 Y	Dresse	Quantity.	Bushels. 20 223 223 223 223 223	$\begin{array}{c} 32_{3}\\ 47\\ 35\\ 46_{4}\end{array}$	87 3734 494	$ \frac{383}{483} $ $ \frac{483}{414} $ $ \frac{414}{4} $ $ 503 $	454 4654 4738 4738 2854 2854 2854 2854 2854 2854 2854 285	$\frac{373}{41\frac{3}{2}}$ (11)	224 441 214 (¹³)	$\frac{22}{21_g^2}$	484	of comparis of comparis annum for otass, and 5 year since.
ibout) 0.40 Hectare or	$ \begin{array}{llllllllllllllllllllllllllllllllllll$	Dependence per ante $\dots = (\text{mouth})$ U 2 metodutte per metetare \dots of 0.57 De area $\dots \dots = (\text{mouth})$ 1.12 Kilogramme per Hectare or 0.57 ever mer area $\dots \dots = (\text{mouth})$ 135.5 Kilocrammes ver Hectare or 0.57	Manuros, per acre, per annum.	Unmanured continuously 134 overs Surphosphule of Linne (0) 200 10s. © Sulphate Potass, 100 1bs. © Sulphate Soda, 100 1bs. Sulphate Magnesia 200 1bs. © Sulphate Potass, 100 1bs. © Sulphate Soda, 100 1bs. Sulphate Magnesia 201 bs. © Sulphate Potass, 100 1bs. © Sulphate Soda, 100 1bs. Sulphate Magnesia	200 lbs. Ammonia-salts (%) 200 lbs. Ammonia-salts and 3 cwtis. Superplosphate	bs. ⁽³⁾ Sulph. Soda, 100 lbs. S bs. ⁽³⁾ Sulph. Soda, 100 lbs. S bs. ⁽³⁾ Sulph. Soda, 100 lbs. S	275 Ibs. Nitrate Soda, 400 Ibs. Silicate Soda ⁽⁹⁾ . 275 Ibs. Nitrate Soda, 400 Ibs. Silicate Soda, and 39 evets Superphosphate ⁽¹⁾ . 275 Ibs. Nitrate Soda, 400 Ibs. Silicate Soda, 200 Ibs. ⁽⁹⁾ Sulph. Potass, 100 Ibs. ⁽⁹⁾ Sulph. Soda, and 100 Ibs. Sulph. Magnesia 275 Ibs. Nitrate Soda, 400 Ibs. Silicate Soda, 200 Ibs. ⁽⁹⁾ Sulph. Potass, 100 Ibs. ⁽⁹⁾ Sulph. Soda, 100 Ibs. Sulph. Magnesia, and ⁽¹⁾ Sodar, state Soda, 400 Ibs. ⁽¹⁾ Sulph. Sodar, 100 Ibs. ⁽¹⁾ Sodar, 100 Ibs. Sulph. Magnesia, and ⁽¹⁾ Sodar, Superphosphate ⁽¹⁾ .	1000 Ibs. Rape-cake	275 Ibs. Nitrate of Soda	200 lbs. ^(a) Sulphate of Potass, 3 <u>4</u> ewts. Superphosphate ⁽¹⁰⁾	Unmanured continuously	Farmyard Manure 14 tons, 20 years, 1852–1871 ; unmanured sinco	 (1) The "superiory inter of Line" is, in all cuese, made from 200 lbs. Boue-sub, 150 lbs. Sulphuric excepting the addition of the Silicates, have been, and are, in other respects, manured in the same way as the effects of the whole period (* AA "pols; and period (* AA "pols; and period (* AA "pols); and per
	PLOTS.			1 2 2 1 0. 4 3 2 0.	2 2 A. 3 A. A.	(1 AA. 2 AA. 4 AA.	$ \begin{pmatrix} 1 & AAS, \\ 2 & AAS, \\ 3 & AAS, \\ 4 & AAS. \end{pmatrix} $	3 (1 0 (2 0) (4 0)	(8) {1 N. 2 N.	5 O. 5 A.	$6\binom{1}{2}$	$7\binom{1}{2}$	acid sp. gr.