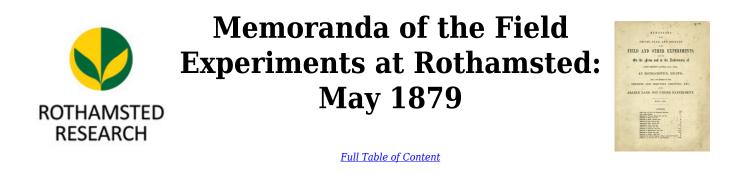
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## **Experiments on Barley; Hoos Field**

## **Rothamsted Research**

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SAME Ē OF BARLEY EXPERIMENTS ON THE GROWTH

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	-	PLOTS.		1 2 2 C				H0000		5 Q. M.	$\frac{1}{2}$ 6	$\frac{1}{2}$	
(6)	A Season,	-	Total Straw.	Cwts, 53 23 23	10 19 19 19 19 19 19 19 19 10	103 192 12	144 2144 1444 2655	196 198 174 174	118	37 167 83	16.65	$16_{ m B}$ $32_{ m B}$	st pe
	Twenty-seventh 1878.	Dressed Corn.	Weight Per Bushel.	1bs. 494 494 494	51 51 52 52	474 512 508	501 525 54 54	52 53 53 53 53 53	48 <sup>8</sup> 50 <sup>4</sup>	484 52 518	48 <sup>8</sup>	523 523	way as t da, the fi
	Twen	Dress	Quantity.	Bushels. 10 12 74 113	15 312 201 335 335	157 334 202	25 20 27 40	27# 321 291		68 27 4 12		212	the same sar since. ate of So
		IW.	26 Years, 1852-17.	Cwta. 103 1126 114 114	175 26 19 <del>2</del> 274	2283 2288 30883 30863 30	. : : : :	251 261 251 251	22 243 (11)	(11) $(11)$		26 <sub>8</sub> ( <sup>15</sup> ) 28	anured in dy, each ye thout Nitr h year sinc
		Total Straw.	13 Years, 1865-77.	Owts. 844. 92 833 101	154 154 178 231	172 252 192 261	203 233 293	221 231 243 243	53 53 53	$24\frac{81}{6}$ 24 $\frac{5}{6}$ 10 $\frac{1}{6}$	° 28° 03	$21 \\ 28_{\frac{1}{2}}$	espects, n 00 lbs. or Lime, wi only, eac
ER ACRE			13 Years, 1852-64.	Cwts. 127 144 134 152	228 29	231 26 248 248	* ::::	2005 40 2005 40 2005 40 2018	241 273	13# 298 13#	13 <sup>2</sup>	284 84	n other 14 5, and 100 sphate of 275 lbs.
PRODUCE PER ACRE.	num.	ishel.	(ears, 2-77.	1bs. 524 53 53	524 534 541	525 525 525 525 525 525 525 525 525 525	. : : : :	54 54 54 54	$52\frac{3}{53}$ $(11)$	534 546 53 (11)		543 (**) 543 (**)	ding the addition of the Silicates, have been, and are, in other respects, manured in the same way as the vector of the Silicates, have been, and are, in other respects, manured in the same way as the vector souther and the set and the same way as the vector souther and the set and vector short, without Nitrate of Soda, to 1834, evet. Shyperphesphate of Linne, without Nitrate of Soda, the Silicates, and 31, evet. Shyperphesphate of Linne, without Nitrate of Soda, the first (1832); Nitrate of Soda for 1835-45-6, and 7; and 275 lbs, only, each year since.
H	Average per Annum.	Weight per Bushel.	13 Years, 1865-77.	108. 53 53 54 54	53 54 55 55	5345 5345 5545	554 558 558 558	555 555 555 555 555 555 555 555 555 55	53 <u>4</u> 544	548 551 535	538 538	55 553	ave been, for the fir or the fir 3 3 cwts 2 . 3 - 4 - 5 - 6, a 3 - 4 - 5 - 5 - 6, a 3 - 4 - 5 - 6, a 3 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -
	Ачег		13 Years, 1852-64,	1bs. 52 523 523 523	52255 511 52255 51	514 514 524 524 524 524 524 524 525 524 525 525		523 528 528	52 $51\frac{3}{4}$	52 <u>4</u> 52 <u>4</u> 53	52 52!	532	the addition of the Silicates, have been, and ots. The second per annum for the first so the second per annum for the first so the second per second so and 33 evels. Si 201 Nitrate of Soda for 1853-4-5-6, and Amonie-sells and the first year, but not sil Averages of 12 years, 13 years, and 25 years.
	-	Dressed Corn	26 Years, 1852-77.	Bushels. 185 24 203 253 253	8445 8445 8444	851 857 472 488	: : : :	441 455 455 455 455	36 <sup>1</sup> / <sub>40</sub>	$20\frac{2}{43}\frac{11}{2}$	20 <del>4</del> 204	46 ( <sup>13</sup> ) 48§	the addition of the Silicates, have been, and ar lots. 2000 liss. Rape-cue per annum for the first six y 2000 liss. Sulphate of Potass, and 33 evet. Super 32) Nitrate alone early pour since of 3 Armonizatization to first 'yours, 13 Yours, 14 Yours, 10 too since, Averages of 12 Yours, 13 Yours, and 25 years.
		Quantity.		Bushels. 154 197 167 167 167 204	281 31 281 427 427	30 <sup>2</sup> 31 <sup>5</sup> 31 <sup>5</sup> 31 <sup>5</sup> 51 <sup>6</sup>	364 4644 473 473	414 428 40 440 440	344 38	412 412 172 4138 41	15 <sub>8</sub> 17	385 492	excepting the addition (* AA "plots. Rap (*) 2000 lbs. Rap (*) 300 lbs. Sup year (1852); Nitrate (*) Ammonia-sul (*) Ammonia-sul (*) Averages of (*) Averages of
			13 Years, 1852-64.	Bushels. 22 28 24 28 30 3	341 481 3681 868	40 50 <sup>3</sup> 51	::::	47 448 482 482	387 433	248 452 238	24 <del>3</del> 24	48 <del>4</del> 47 <del>3</del>	excepting the " AA "plots." (1 2000 (1 852); year (1852); year (1 852); (1) Ave
acre	0.45 Kilogramme or 0.91 51.0 Kilogrammes or 1.02	Ib. per acre $\ldots = (about)$ cwt. per acre $\ldots = (about)$	Manures, per acre, per annum.	Ummanured continuously 1		275 Ibs. Nitrate Soda 277 Ibs. Nitrate Soda, and 39 vers. Superphosphate	Soda, 100 lbs. Soda, 100 lbs.	1000 Ibs. Rape-onke	275 lbs. Nitmate of Soda	200 lbs. <sup>(3)</sup> Sulphate of Potass, 34 owts. Superphosphate <sup>(10)</sup>	Unmanured continuously	Farmyard Manure 14 tons, 20 yrs., 1852-71, av. prod. 484 bush.; unmanured since, av. prod., 7 yrs., 1872-8, 364 bush. Farmyard Manure 14 tons, every year: av. produce, 20 years, 1852-71, 484 bush.; 7 years, 1872-8, 494 bush.	<ol> <li>The Superphosphate of Line" is, in all cases, made from 200 lbs. Bone-ash, 150 lbs. Sulphurid acid ap. 1.7 (and watch for the first six years, 1852-7;</li> <li>300 lbs. per anum for the first six years, 1852-7;</li> <li>200 lbs. per anum for the first six years, 1852-7;</li> <li>200 lbs. per anum for the first six years, 1852-7;</li> <li>200 lbs. per anum for the first six years, 1852-7;</li> <li>200 lbs. per anum for the first six years, 1852-7;</li> <li>200 lbs. per anum for the first six years, 1852-7;</li> <li>200 lbs. per anum for the first six years, 1853-7;</li> <li>200 lbs. Anmonia-sells "- and cases equal parts Sulphate and Muriate of Ammonia of Commerce. Nature of South 200 lbs. Anmonia-sells "- and and the same anount of Nitrate of South 200 lbs. Anmonia-sells."</li> <li>200 lbs. Anmonia-sells and and the same anount of Nitrate of South 200 lbs. Anmonia-sells."</li> </ol>
	PLOTS.			4 8 0. 4 0.	4324 44.	(6) (1 AA. 3 AA. 4 AA.	(5) (1 AAS. (5) (2 AAS. (4 AAS. (4 AAS.	3 2 4 0 3 2 0 4 0 3 0 0		5 0. M.	$6\binom{1}{2}$	$7{2 \\ 2}$	