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Yields of the Field Experiments 1876



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Experiments on Barley; Hoos Field

Rothamsted Research

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(3)

HOOS FIELD.

e Flot.		2 1	PLOTS.					- 2 2 4 - 4 4 4	1 AA. 2 AA. 4 AA.	1 AAS. 2 AAS. 3 AAS. 4 AAS.	1884 0000	2 2 Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	5 O. M.	1 6 2 6	2}7	
after year to the same Flot.		ason,		Total	. A STORY	Cwts.	672 171 883 883 883 883 883 883 883 883 883 88	15 174 163 213	178 218 168 253	195 261 233 255 255	204 204 197 228	197 193	222. 923.	7 ³ / ₈	193 294	the
year to		Twenty-Fourth Season, 1875.	Corn.	Weight	per Bushel.	lhs.	504 504 504 514	514 52 503 544	514 534 535 535	517 523 52 52 52	522 523 53 53	50 <u>3</u> 513	513 513 504	513 51	535 534	e. Soda, the
			Dressed Corn		Quantity.	Probabala	123 148 148 173	273 337 36 36	293 382 273 426 426	36 428 403 428	88 4 8 4 88 8 8 4 84 68 88 14	283 353	13g 40 5 20	125 125 123	923 453	in the sav year sinc itrate of ince.
lied yea					24 Years, 1852-75.	Charte	11 123 113 133	174 268 20 277	211 291 23 314		257 273 26 283	$\frac{22\frac{1}{2}}{25\frac{1}{3}}$ (11)	114 278 111 (12)	11200	273 (19) 284	in other respects, mnnured in the same way as rs, and 1000 lbs, only, each year since, coplute of lime, without Nitrate of Soda, the fd 275 lbs, only, each year since, nured), and 24 years.
een app				Total Straw.	12 Years, 1864-75.	O. A.	101	153 243 173 263	188 271 20 28	218 275 243 30\$	224 244 234 253	20 ₃	98 254 108	15 G	223 293	
e has b	ER ACRE.				12 Years, 1852-63.	1	12g 14g 13g 15g	197 284 223 293 293	237 317 257 345	::::	29 30½ 28½ 31	24g 273	18g 29 0	133 84 81	284 277	e, in other ears, and phosphate and 275 I
e Manu	Produce Per Acre	Аverage per Аппит.	Dressed Corn.	Bushel.	24 Years, 1852-75.		521 531 531 531 531	524 524 524 544	522 522 532 632 632 632 632 632 632 632 632 632 6	1111	533 54 531 534	$\frac{524}{528}$ (11)	53½ (11) 54 53½ (12)	52.25 5.224 4.224	543 (°5) 543	first six year vis. Superph 5; and 7; an not since. 3 years. years.
he sam				Weight per Bus	12 Years, 1864-75.		544 544 544 544 544	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	553 554 554 554	541 558 542 554	555 555 554 554 554 554 554 554 554 554	533 543	543 553 548	534	544 554	excepting the addition of the Silicates, have been, and are, in other respects, minuted in the same way as the "AA" plots. "AA" plots. "AA" plots are expecated per annum for the first six years, and 1000 lbs. only, each year since. (*) 3000 lbs. Sulplate of Petess, and 34 evits. Superphosphate of Lime, without Nitrate of Soda, the first pear (1852), Nitrate above each year since. (*) 300 lbs. Sulplate of Petess, and 34 evits. Superphosphate of Lime, actin year since. (*) 350 lbs. Nitrate above each years since. (*) Avenges of 11 years, 12 years, and 23 years. (*) Avenges of 50 years, 12 years, and 18 years. (*) Avenges of 50 years, (with dung), 4 years (unmanured), and 24 years.
notes, 1				Wei	12 Years, 1852-63.		1bs. 524 524 524 524	511 521 513 523	51 51 2 514 514	1111	522 522 521 521 521	512	522 224 224 224 224 224 224 224 224 224	515 513	544	
trany in the Table, or in the foot-notes, the same Manure has been applied year experiment, about 44 acres.)					24 Years, 1852-75.		Bushels. 187 244 211 257	315 463 343 455 452	36 36 48 48 48 48	1;;;;	4444 4644 4644 4644	87 41 }(¹¹⁾	$\binom{213}{483}$ (11)	203 22	474 (13) 483	on of the Rape-cake alphate of the alone of itrate of S salts also of 11 year of 6 years of 20 years
				Quantity.	12 Years, 1864-75,	1	Bushels. 157 203 174 174	29 45 82 44	321 471 321 463	3773 4774 42 4883	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	35 39 1	185 424 183	16 ₈	411 503	the additions. 2000 lbs. 2000 lbs. 32); Nitr. 550 lbs. Namonia Aremonia Averages
e Table rbout 44					12 Years, 1852-63.		Busbels. 212 273 245 308	342 473 864 478	397 504 398	1115	47 44 44 44 473	384	243 451 225	24.2 24.	484 465 465	excepting ". AA "pl ". AA "pl ". Sear (185 ". Sear (18
Provious Cropping—1847, Swedish Turnips, With Dung and Superpussplace of Lines stated to the contrary in the Table, or in First Experimental Barley Crop in 1852. Barley every year since; and, unless stated to the contrary in the Table, or in First Experimental Barley Crop in 1852.	0 11 11 11 11 11 11 11 11 11 11 11 11 11	acre = about) 0.40 Hectaire = or 1.59 blushel = (about) 0.56 Hectolitze = or 0.65 11. (0-45 Kilogramme			Manures, per aore, per annum.	Unmanured continuously 34 cwts. Superplosplate Of Lime () 250 (1988) Sulpiate (100 lbs. Sulpiate Sods, 100 lbs. Sulpiate Magnesia 250 (1988) Sulpiate (Peters, 100 lbs. Sulpiate Sods, 100 lbs. Sulpiate Magnesia, 35 cwts. Superplosplate	200 lbs. Annonine-salts (4) 200 lbs. Annonine-salts (4) 200 lbs. Annonine-salts and 2§ ewits. Superphosphate 200 lbs. Annonine-salts, and 2§ ewits. Superphosphate 200 lbs. Annonine-salts, 200 lbs. Suleh. Potass, 100 lbs. Sulph. Soda, 100 lbs. Sulph. Magnesia 200 lbs. Annonine-salts, 200 lbs. Potass, 100 lbs. Sulph. Soda, 100 lbs. Sulph. Mag. 3§ ewits. Superphoss.	20 0	275 lbs. Nitrate Soda, 400 lbs. Silicate Soda ⁽⁹⁾ 275 lbs. Nitrate Soda, 400 lbs. Silicate Soda ⁽⁹⁾ 275 lbs. Nitrate Soda, 400 lbs. Silicate Soda, and 3½ ever Superphosphate ⁽⁹⁾ 275 lbs. Nitrate Soda, 400 lbs. Silicate Soda, 200 lbs. ⁽⁹⁾ Sulph. Potass, 100 lbs. ⁽⁹⁾ Sulph. Soda, 100 lbs. ⁽⁹⁾ Sulph. Soda, 500 lbs. ⁽⁹⁾ Sulph. Potass, 100 lbs. ⁽⁹⁾ Sulph. Soda, 100 lbs. ⁽⁹⁾ Sulph. Sulph. Soda, 100 lbs. ⁽⁹⁾ Sulph. Soda, 100 lbs. ⁽⁹	Sulph. Magnes	С	00) , and 200 lbs. Ammonia-salts		20 years, 1852–1871; unmanured since every vesu; av. produce, 20 years, 1852–71, 483 bush.; 4 years, 1872–5	(c) The "Superplosphate of Lime" is, in all cases, made from 200 lbs. Bone-ash, 150 lbs. Sulphuric acid sp. gr. 17 (and water). (c) 300 lbs, per annum for the first six years, 1852—7. (d) 200 lbs, per annum for the first six years, 1832—7. (e) 200 lbs, per annum for the first six years, 1832—7. (e) 200 lbs, per annum for the first six years, 1832—7. (f) 200 lbs, per annum for the first six per sure in the sees equal parts Sulphate and Muritue of Ammonia of Commerce, and per annum for the first six spears, 1852—7, instead of Nitrate of Solds, 400 lbs, Ammonia-sults per annum, 275 lbs, Nitrate of Solds per annum, 275 lbs, Nitrate of Solds, Nitrate of Solds per annum, 275 lbs, Nitrate of Solds, Nitrate of Nitrate Nitrate Nitrate Nitrate Nitrate Nitrate Nitrate Nitrate Nitr
Previous C First Expen		Prous.					0000	ं ददद	4 444	AAS. AAS. AAS.	(4 AAB).	4 0	(8) (2 N. 5 O. 5 A.	M.	7(1	<u>N</u>

enough more worked, was so wet that it could not be got into favourable condition for sowing, and the plant was very irregular.