Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.



Yields of the Field Experiments 1875



Full Table of Content

Experiments on Permanent Meadow Land; the Park

Rothamsted Research

Rothamsted Research (1876) *Experiments on Permanent Meadow Land; the Park ;* Yields Of The Field Experiments 1875, pp 2 - 2 - **DOI: https://doi.org/10.23637/ERADOC-1-239**

https://doi.org/10.23637/ERADOC-1-239

| t | 4 | |
|---|----|--|
| f | AK | |
| 1 | 2 | |
| - | ΡH | |
| | | |
| | | |

EXPERIMENTS WITH DIFFERENT MANURES ON PERMANENT MEADOW LAND.

The Land has probably been laid down with Grass for some centuries. No fresh seed has been artificially sown within the last 40 years certainly; nor is there record of any having been sown since the Grass was first laid down. The experiments commenced in 1856, at which time the character of the horbage appeared uniform over all the Plots. Excepting as explained in the Table and in the foot-notes, the same description of Manue has been applied year after year to the same Plot.

| - |
|----------------------|
| ^ |
| |
| 2 |
| 2 |
| 15 |
| 00.000 |
| ç |
| 2 |
| E |
| |
| + |
| - |
| 10 |
| ŝ |
| - |
| 5 |
| tunda . |
| |
| 1 |
| - 5 |
| 2 |
| - 5 |
| . 1 |
| 1 |
| -2 |
| - 2 |
| |
| : |
| 0 |
| |
| |
| 4 |
| r, |
| 1 |
| 1 |
| ÷ |
| Anominound wohar out |
| 1 |
| - 5 |
| 7 |
| - |
| e i |
| ~ |
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

| R. A. C. Guinararenei (Grin C. 2016). 21:10 (Grin Stationnum | 0.91 Zolfverein Pland, 0.91 Zolfverein Pland, 1.02 Gentuer, 20-53 Centuer, | 18th 19th Season; Season; | 1870. 1871. 1872. 1873. | Cwts. Cwts. Cwts. Cwts. Cwts. Cwts. Cwts. | b_{3}^{6} cwta. b_{3}^{1} c w \dots | · · | $\ldots \ \ldots \$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | 35 ₈ | : Superplos, jav. prod. (5 yrs, 1869-75) $32\frac{1}{4}$ owts.) $50\frac{1}{2}$ $16\frac{1}{4}$ $37\frac{1}{2}$ $25\frac{1}{4}$ 26 $21\frac{1}{2}$ $31\frac{1}{6}$ 6 | uperplaceplate \dots | $\frac{1}{3}$ evits. Superpluophate; average produce 36 ewis. $\frac{1}{3}$ 46 $\frac{1}{3}$ 12 $\frac{3}{4}$ 30 22 $\frac{1}{3}$ 18 $\frac{1}{3}$ 17 $\frac{1}{4}$ 31 8 hate; average produce (12 years, 1862–73) 28 $\frac{1}{3}$ ewits. | phosphate, and 400 lbs. Ammonia-salts 65% 29½ 58% 50½ 43% 29% 52% 9 | Superphos, 400 lbs. Amm. salts; av. prod. $55\frac{1}{2}$ evts.) $57\frac{1}{4}$ $21\frac{1}{4}$ $46\frac{1}{2}$ $33\frac{3}{8}$ 33 23 $47\frac{5}{8}$ 10 Amm. salts; av. prod. (12 yrs.) $1862-73$ $43\frac{2}{8}$ evts.) | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | \dots | straw 77_8^2 48 63 62 $_8^2$ 57 46 $_2^2$ 57 $_8^2$ | $56\frac{1}{3}$ $61\frac{1}{6}$ $55\frac{1}{2}$ $51\frac{3}{4}$ 49 $57\frac{3}{8}$ | $$ $$ $53\frac{1}{2}$ $15\frac{1}{2}$ $38\frac{3}{6}$ $32\frac{3}{2}$ $33\frac{3}{4}$ $26\frac{3}{6}$ $36\frac{3}{2}$ 10 | ликдиских, али эё смих, эчирсиричерикаме 142 358 31 ±0 ±18 238 ±18 15 5.43 101 201 905 901 993 843 17 | of Hay (commencing 1865) 555 145 377 332 261 224 33 41) | $ \begin{array}{cccccccccccccccccccccccccccccccccccc$ | The application of Silicates did not commence until 1862. 550 lis, Nitrate of Sodi is recizent to contain the same amount of Nitrogen as 400 lbs, of "Ammoninalis," A Arenge of 15 years only, as the manures specified were first applied in 1859 (previously, 1856–7 and 8, Sawutae only). |
|---|---|---|-------------------------|---|--|---|---|--|------------------|--|---|--|---|--|---|---|--|--|--|--|---|---|---|
| | undredweight) = $(about)$ 51.0 Kilogrammes or = $(about)$ 1016-0 Kilogrammes or | $\dots = \hat{(about)}$ 1·12 Kiloğramme per Hectare or $e \dots = \hat{(about)}$ 125-5 Kiloğrammes per Hectare or $\dots \dots = \hat{(about)}$ 2510·0 Kiloğrammes per Hectare or | es, | | 13, 8 years, 14 tons Farmyard Manure, and 200 lbs. Ammonia-salts ¹⁰ ; average produce 49 ⁴ s evts. ad since, 200 lbs. Ammonia-salts alone; average produce (10 years, 1864–73) 40 ⁶ s evts | | | | s. Anmonia-selts | 18, 13 years, 400 lbs. Ammonia-sults; average produce 303 ovts | 300 Ibs. Sulphate Potass, 100 Ibs. (4) Sulphate Soda, 100 Ibs. Sulphate Magnesia, and 3½ cwts. Superplicipliate | 6 years, 300 Ibs. Sulph. Potass, 200 Ibs. Sulph. Soda, 100 Ibs. Sulph. Magnesia, and 33 cvts. È ud since. 250 Ibs. ⁽⁹⁾ Sulphate Soda. 100 Ibs. Sulphate Magnesia, and 33 cvts. Superphosphate; a | 300 lhs. Sulphate Potass, 100 lhs. (*) Sulphate Soda, 100 lbs. Sulphate Magnesia, 34 ovts. Superplosphate, and 400 lbs. Ammonia-ealts | 11, 6 yrs. 300 lbs. Sulph. Potass, 200 lbs. Sulph. Soda, 100 lbs. Sulph. Magnesin, 3 ¹ / ₂ ewts. Superplut since, 250 lbs. © Sulph. Soda, 100 lbs. Sulph. Magnesia, 3 ¹ / ₂ ewts. Superplues., 400 lbs. Amms | , Sulph, Potass, 1001bs. (*) Sulph. Soda, 1001bs, Sulph. Magnesia, 34 evts. Superphosph., 8001bs. (* , Sulph, Potass, 1001bs. (*) Sulph. Soda, 1001bs. Sulph. Magnesia, 34 evts. Superphosph., 8001bs. (*) | | . Sulph. Potass, 100 lbs. (*) Sulph. Soda, 100 lbs. Sulph. Magnesia, 3½ owts. Superphosph., 400 lbs. & | | s. Nitrate of Soda | s. Nitrate of Soda, 300 lbs. Sulphate Fotass, 100 lbs. ^w Sulphate Soda, 100 lbs. Sulphate Magues . Nitrate of Soda, | as muse or bouta | 275 Ibs. Nitrate of Soda, 290 Ibs. Sulphate of Potass, and 33 overs. Superphysical commencing 1872) | of Ammonia of Commerce. Jus. Bone-ash, 150 Jus. Sulphuric salt wdust per acre per annum for the and |