

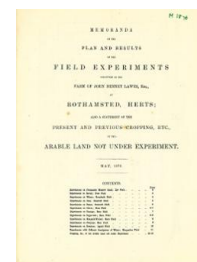
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ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1876

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Cropping, &c. , of the Arable Land Not Under Experiment; Rothamsted Farm

Rothamsted Research

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ROTHAMSTED

MAY,

SUMMARY STATEMENT OF THE PRESENT AND PREVIOUS

(14 Years, 1863-1876,

| Name of Field. | Acres. | PREVIOUS CROPPING | | | | | | | |
|-------------------|--------|---|---|--|--|--|--|--|--|
| | | 1863. | 1864. | 1865. | 1866. | 1867. | 1868. | 1869. | 1870. |
| Thirty Acres | 30 | Wheat, Sheep-Folded, and 2 cwt. Guano. | Oats, 2 cwt. Guano, 1 cwt. Corn Manure. | Oats, 1 cwt. Guano, 3 cwt. Corn Manure. | Tares and Swedes, Dung and Artificial. | Oats, after Sheep-Folding. | Clover. | Wheat, 2 cwt. Guano. | Oats, 2 cwt. Guano. |
| Upper Harpenden | 14 | Red Clover, Unmanured. | Wheat, 1½ cwt. Guano, 1½ cwt. Corn Manure. | Oats, 1 cwt. Guano, 2 cwt. Corn Manure. | Oats, 2 cwt. Guano, 1 cwt. Sulph. Ammonia. | Tares, Dung, Swedes, Artificial. | Wheat, ¾ ths. 2½ cwt. Guano, ¼ th. Sheep-folded. | Oats, 2 cwt. Guano, 1 cwt. dried Blood, ½ cwt. Sulph. Ammonia. | Swedes, Dung and superphosphate. |
| Harpenden | 22 | Oats, 3 cwt. Guano. | Mangolds and Turnips, Dung and Artificial. | Wheat, Sheep-Folded. | Red Clover (peren.), Unmanured. | Wheat, 2½ cwt. Guano. | Oats, ¾ rds. (2 cwt. Guano, & 1 cwt. Nitr. Soda, ¼ rd. { and Sheep-folded. | Swedes, Dung and various Artificial Manures. | Wheat, 3 cwt. Guano. |
| Little Hoos | 9 | Barley, 3 cwt. Guano, 1 cwt. superphos. | Red Clover. | Wheat, 1½ cwt. Guano, 1 cwt. Nitrate Soda, 1 cwt. Corn Manure. | Mangolds, Dung and Artificial. | Wheat, Unmanured. | Oats, 2 cwt. Guano, 1 cwt. Nitrate of Soda. | Barley, 1 cwt. dried Blood, ½ cwt. Sulph. Ammonia, 1 cwt. superphosphate. | Barley, 2½ cwt. Guano. |
| Fosters' | 18 | Barley, 5½ cwt. Artificial Manure. | Swedes, Dung and Artificial. | Oats, 1 cwt. Guano, 1 cwt. Corn Manure. | Red Clover, Unmanured. | Wheat, 2 cwt. Guano, ½ cwt. Corn Manure. | Oats, 2 cwt. Guano, 1 cwt. Nitrate of Soda. | Barley, 1 cwt. dried Blood, ½ cwt. Sulph. Ammonia, 1 cwt. superphosphate. | Oats, 2 cwt. Guano, 3 cwt. Blood Manure. |
| Knott Wood | 30 | Oats, Sheep-Folded. | Red Clover (peren.). | Wheat, Sheep-Folded, 1 cwt. Guano. | Oats, 2 cwt. Guano, 1 cwt. Sulph. Ammonia. | Oats, 2 cwt. Guano, 1 cwt. Sulph. Ammonia. | Swedes, 2 cwt. Guano, 2½ cwt. superphosphate and Dung. | Wheat, 3 cwt. Guano (one-half), Unmanured (one-half), after Swedes ploughed up and Fallowed. | Oats, 3 cwt. Guano. |
| Little Knott Wood | 14 | Swedes, Dung and Artificial. | Wheat, Unmanured. | Red Clover (peren.), Unmanured. | Red Clover (peren.), Sheep-Folded. | Wheat, 1 cwt. Guano, ½ cwt. Corn Manure. | Oats, 2 cwt. Guano, 1 cwt. Nitrate Soda. | Mangolds, 12 tons Dung, 3 cwt. Guano. | Wheat, 3 cwt. Guano. |
| Sawpit | 14 | Tares and Oats, Sheep-Folded, and 2 cwt. Guano. | Barley, 1½ cwt. Guano, ½ cwt. superphos., 1 cwt. Corn Manure. | Mangolds and Turnips, Dung and Artificial. | Wheat, Unmanured. | Red Clover, Unmanured. | Wheat, 1 cwt. Guano, 1 cwt. Wheat Manure. | Wheat, 3 cwt. Guano. | Mangolds, Dung and 3 cwt. Guano. |
| Rick-yard | 8 | Wheat, Unmanured. | Wheat, Sheep-Folded, and 3 cwt. Guano. | Barley, 2 cwt. Guano, 1½ cwt. Corn Manure. | Red Clover, Sheep-Folded. | Wheat, Guano. | Barley, 2 cwt. Wheat Manure. | Tares, Dung. | Barley, 1 cwt. Guano. |
| Six Acres | 6 | Mangolds, Dung and Artificial. | Wheat, Unmanured. | Red Clover, Unmanured. | Wheat, 2 cwt. Guano, 2 cwt. Corn Manure. | Oats, 3 cwt. Guano. | Beans, Dung. | Wheat, 2 cwt. Guano, 1 cwt. Nitrate of Soda. | Barley, 2½ cwt. Guano. |
| Clay-Croft | 12 | Wheat, Dung. | Wheat, 2 cwt. Guano, 2 cwt. Corn Manure. | Oats, 2 cwt. Guano, 2 cwt. Corn Manure. | Oats, 2 cwt. Guano, 1 cwt. Sulph. Ammonia. | Beans, Dung. | Wheat, 2 cwt. Guano. | Oats, 2 cwt. Guano, 1 cwt. dried Blood, ½ cwt. Sulph. Ammonia. | Turnips, Dung and 3 cwt. superphosphate. |
| Ten Acres | 10 | Oats, 3 cwt. Guano. | Oats, 2 cwt. Guano, 1 cwt. Dried Blood. | Tares, Dung. | Turnips, Artificial. | Wheat, Guano. | Red Clover. | Wheat, 2 cwt. Guano. | Oats, 3 cwt. Guano. |
| Agdell | 9 | Barley, Sheep-Folded. | Barley, 1½ cwt. Guano, ½ cwt. superphos., 1 cwt. Corn Manure. | Red Clover, Unmanured. | Wheat, 1½ cwt. Guano, 1½ cwt. Corn Manure. | Oats, 2 cwt. Guano. | Tares, Dung. | Barley, Unmanured. | Barley, 1½ cwt. Guano, 1½ cwt. superphosphate. |
| Long Hoos | 25 | Fallow. | Swedes, Dung and Artificial. | Barley, 1 cwt. Guano, 1 cwt. Corn Manure. | Barley, 1½ cwt. Guano, 1 cwt. Corn Manure. | Mangolds and Swedes, 15 tons Dung, 3 cwt. Guano. | Wheat, 1 cwt. Guano. | Oats, 2 cwt. Guano, 1 cwt. dried Blood, ½ cwt. Sulph. Ammonia. | Sainfoin, Unmanured. |
| Sawyers' | 25 | Swedes and Fallow, Artificial. | Barley, 1 cwt. Guano, 1 cwt. Corn Manure. | Swedes, Dung and Artificial. | Wheat and Barley, Sheep-Folded. | Red Clover, Unmanured. | Wheat, 3 cwt. Guano. | Fallow. | Wheat, 4 cwt. Guano. |
| West Barn | 32 | Swedes, Dung and Artificial. | Oats, 1½ cwt. Guano, 1½ cwt. Corn Manure. | Red Clover (peren.), Sheep-Folded. | Wheat, 1½ cwt. Guano, 1½ cwt. Corn Manure. | Barley, 1 cwt. Blood Manure, 1 cwt. superphosphate, 1 cwt. Sulph. Ammonia. | Fallow. | Wheat, 3 cwt. Guano. | Sainfoin, Unmanured. |

FARM.

1876.

CROPPING, &c., OF THE ARABLE LAND NOT UNDER EXPERIMENT.
inclusive.)

AND MANURING.

| 1871. | 1872. | 1873. | 1874. | 1875. | Crop, &c., Present Season, 1875-76. | Acres. | Name of Field. |
|---|--|--|---|--|---|--------|--------------------|
| Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda, (2½ acres experiment). | Barley (¾ with Grass-seeds). 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Grass (¾), Folded, and 1 cwt. Nitrate. Barley (¾), 2 cwt. superphosphate, 2½ cwt. Nitrate Soda. | Grass (¾), Sheep-folded. Tares (¾) Dung. | Grass (¾). Compost. Wheat (¾), 1 cwt. Nitrate Soda. | 30 | Thirty Acres |
| Wheat, 2 cwt. Guano. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Mangolds, Dung. (Carted off.) | Wheat (10 acres Varieties). 2 cwt. Nitrate Soda. | Barley, (½) 3 cwt. Guano, (½) 2 cwt. superphosphate, 2½ cwt. Nitrate Soda. | Barley (with grass seeds), 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | | |
| Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda. Tares, Dung. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. Tares, Dung. | Barley, After Oats—2 cwt. superphosphate; 2 cwt. Nitrate. After Tares—1 cwt. superphosphate; 1 cwt. Nitrate. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Mangolds, Dung, and 2 cwt. Guano. (Carted off.) | Wheat (Varieties), 2 cwt. Nitrate Soda. | 22 | Harpenden. |
| Barley, 3 cwt. superphosphate, 2½ cwt. Nitrate Soda. | Barley (with Clover). 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Barley (¾), Unmanured. Clover (¾), Unmanured. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (1 acre Unmanured). | Barley, where Barley 1873, 2 cwt. superphosphate, 2 cwt. Nitrate of Soda. where Clover 1873, Half quantities. | Barley (¾ with Clover), 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | 9 | Little Hoos. |
| Roots, Tares, and Rape, Dung and Artificial. | Wheat, ½ Varieties of Wheat, 2 cwt. superphosphate, 2 cwt. Nitrate Soda, ¾ Sheep-folded. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (2 acres experiment). | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Barley, (1) 3½ cwt. Guano, (1) 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda, (1) 1½ cwt. Guano, 1½ Nitrate. | Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | 18 | Fosters'. |
| Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Tares (¾), Dung. Swedes (¾), Dung, 2 cwt. superphosph.; 2 cwt. Nitrate Soda. | Barley, After Roots and Tares carted, 2 cwt. superphosphate, 2 cwt. Nitrate Soda, After Tares fed, 1 cwt. each. | Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Oats, 2½ cwt. superphosphate, 3 cwt. Nitrate Soda. | 30 | Knott Wood. |
| Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda. | Oats, ¾ Sheep-folded. All, 2½ cwt. superphos., 2½ cwt. Nitrate Soda. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Mangolds, Dung. (Carted off.) | Wheat (Varieties), 1½ cwt. Nitrate Soda. | Oats, 2½ cwt. superphosphate, 3 cwt. Nitrate Soda. | 14 | Little Knott Wood. |
| Wheat, 3 cwt. Guano. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Mangolds, 25 tons Dung. | 14 | Sawpit. |
| Mangolds, Dung and 4 cwt. Cotton Cake. | Wheat, Unmanured. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Tares, Dung. ½ followed by Turnips, 1 cwt. superphosphate, 1 cwt. Nitrate Soda. | Barley, 1 cwt. Nitrate Soda. | Swedes, Dung, and Superphosphate. | 8 | Rick-yard. |
| Barley, 3 cwt. superphosphate, 2½ cwt. Nitrate Soda. | Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Barley, 2 cwt. superphosphate, 2½ cwt. Nitrate Soda. | Barley, 2 cwt. superphosphate, 2½ cwt. Nitrate Soda. | Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | 6 | Six Acres. |
| Wheat, Unmanured. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Clover, Unmanured. | Wheat, 2 cwt. Nitrate Soda. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | 12 | Clay-Croft. |
| Mangolds, Dung and 4 cwt. Cotton Cake. | Wheat, Unmanured. | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (5 acres experiment). | Oats, 2 cwt. superphosphate, 2½ cwt. Nitrate Soda. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Turnips. | 10 | Ten Acres. |
| Mangolds, Dung and 4 cwt. Cotton Cake. | Wheat, Unmanured (and part Roots). | Clover, Unmanured. Barley, Experiment. | Wheat, 1 cwt. Nitrate Soda (3 acres Experiment, ½ Clover, ½ Fallow). | Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. Wheat, 3 acres, Experiment. | Barley, 2½ cwt. superphosphate, 3 cwt. Nitrate Soda. Swedes, 3 acres, Experiment. | 9 | Agdell. |
| Sainfoin, Unmanured. (Steam cultivated, July.) | Mangolds, Dung. (Carted off.) | Wheat, (½ Varieties of Wheat), 1½ cwt. Nitrate Soda. | Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Oats (¾), 2½ cwt. superphosphate, 3 cwt. Nitrate Soda. Tares (¾), Dung. | 25 | Long Hoos. |
| Wheat, 4 cwt. Guano, 1 cwt. Nitrate Soda. | Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. | Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Mangolds and Swedes, Dung. | Barley after Swedes (¾) 2 cwt. superphosphate, 2 cwt. Nitrate Soda. Wheat after Mangolds (¾) 1½ cwt. Nitrate Soda. | Barley (with Clover), 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | 25 | Sawyers'. |
| Sainfoin, Unmanured. | Sainfoin, Unmanured. | Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Wheat (Oats fed off 1873), 1½ cwt. Nitrate Soda. | Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. | Oats, 2 cwt. superphosphate, (¾) 1½ Nitrate Soda, (¾) 2½ Nitrate Soda. | 32 | West Barn. |