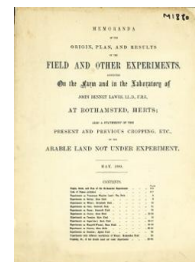


Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Memoranda of the Field Experiments at Rothamsted: May 1880



[Full Table of Content](#)

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

### Rothamsted Research

Rothamsted Research (1881) *Cropping, &c. , of the Arable Land Not Under Experiment; Rothamsted Farm* ; Memoranda Of The Field Experiments At Rothamsted: May 1880, pp 24 - 25 - DOI:

<https://doi.org/10.23637/ERADOC-1-244>

ROTHAMSTED

MAY,

SUMMARY STATEMENT OF THE PRESENT AND PREVIOUS

(13 Years, 1868-1880,

PREVIOUS CROPPING

Name of Field.	Acres.	PREVIOUS CROPPING						
		1868.	1869.	1870.	1871.	1872.	1873.	1874.
Thirty Acres	30	Clover.	Wheat, 2 cwt. Guano.	Oats, 2 cwt. Guano.	Barley, 2 cwt. superphos., 2 cwt. Nitrate Soda.	Barley, 2½ cwt. superphos., 2½ cwt. Nitr. 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.
Harpenden	22	Oats, 2 cwt. Guano, & 1 cwt. Nitr. Soda. ¼ rd { ¼ rd { and Sheep-folded.	Sweedes, Dung and various Artificial Manures.	Wheat, 3 cwt. Guano.	Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda. Tares, Dung.	Barley, After Oats—2 cwt. super- phosphate; 2 cwt. Nitrate. After Tares—1 cwt. super- phosphate; 1 cwt. Nitrate.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.
Little Hoos	9	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.	Barley, 3 cwt. superphos., 2½ cwt. Nitrate Soda.	Barley (with Clover). 2½ cwt. superphos., 2½ cwt. Nitr. Soda.	Barley (¾), Unmanured. Clover (¾), Unmanured.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (1 acre Unmanured).
Fosters'	18	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.	Roots, Tares, and Rape, Dung and Artificial.	Wheat, ¼ Varieties of Wheat, 2 cwt. superphos., 2 cwt. Nitr. Soda, ¾ Sheep-folded.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (2 acres experiment).	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.
Knott Wood	30	Sweedes, 2 cwt. Guano, 2½ cwt. superphosphate and Dung.	Wheat, 3 cwt. Guano (one-half), Unmanured (one-half), after Sweedes ploughed up and Fallowed.	Oats, 3 cwt. Guano.	Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.	Tares (¾), Dung. Sweedes (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.
Little Knott Wood ..	14	Oats, 2 cwt. Guano, 1 cwt. Nitrate Soda.	Mangolds, 12 tons Dung, 3 cwt. Guano.	Wheat, 3 cwt. Guano.	Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda.	Oats, ¾ Sheep-folded. All, 2½ cwt. super., 2½ cwt. Nitr. Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Mangolds, Dung. (Carted off)
Sawpit ..	14	Wheat, 1 cwt. Guano, 1 cwt. Wheat Manure.	Wheat, 3 cwt. Guano.	Mangolds, Dung and, 3 cwt. Guano.	Wheat, 3 cwt. Guano.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.	Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.
Rick-yard	8	Barley, 2 cwt. Wheat Manure.	Tares, Dung.	Barley, 1 cwt. Guano.	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.
Six Acres ..	6	Beans, Dung.	Wheat, 2 cwt. Guano, 1 cwt. Nitrate of Soda.	Barley, 2½ cwt. Guano.	Barley, 3 cwt. superphos., 2½ cwt. Nitrate Soda.	Barley, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2½ cwt. Nitrate Soda.
Clay-Croft	12	Wheat, 2 cwt. Guano.	Oats, 2 cwt. Guano, 1 cwt. dried Blood, ½ cwt. Sulph. Ammonia.	Turnips, Dung and 3 cwt. super- phosphate.	Wheat, Unmanured.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.	Clover, Unmanured.	Wheat, 2 cwt. Nitrate Soda.
Ten Acres ..	10	Red Clover.	Wheat, 2 cwt. Guano.	Oats, 3 cwt. Guano.	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.
Agdell ..	9	Tares, Dung.	Barley, Unmanured.	Barley, 1½ cwt. Guano, 1½ cwt. super- phosphate.	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).
Long Hoos	25	Wheat, 1 cwt. Guano.	Oats, 2 cwt. Guano, 1 cwt. dried Blood, ½ cwt. Sulph. Ammonia.	Sainfoin, Unmanured.	Sainfoin, Unmanured. (Steam cultivated, July.)	Mangolds, Dung. (Carted off).	Wheat, (¼ Varieties of Wheat), 1½ cwt. Nitrate Soda.	Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.
Sawyers' ..	25	Wheat, 3 cwt. Guano.	Fallow.	Wheat, 4 cwt. Guano.	Wheat, 4 cwt. Guano, 1 cwt. Nitrate Soda.	Barley, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.	Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Mangolds and Sweedes, Dung.
West Barn	30	Fallow.	Wheat, 3 cwt. Guano.	Sainfoin, Unmanured.	Sainfoin, Unmanured.	Sainfoin, Unmanured.	Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Wheat (Oats fed off 1873), 1½ cwt. Nitrate Soda.

FARM.

1880.

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

AND MANURING.

1875.	1876.	1877.	1878.	1879.	Crops, &c., Present Season, 1879-'80.	Acres.	Name of Field.
Grass (3/4), Sheep-folded. Tares (1/2) Dung.	Grass (3/4). Compost. Wheat (1/2). 1 cwt. Nitrate Soda.	Grass (3/4). Cattle Grazed. Barley (1/2). 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Grass (3/4). Cattle Grazed with Cotton-Cake. Tares (1/2). Dung.	Grass (3/4). Cattle Grazed with Cotton-Cake. Barley (1/2). 2 cwt. surphosphate, 2 cwt. Nitrate Soda.	Grass (3/4). Cattle Grazed with Cotton-Cake. Barley (1/2). Fallow (1/2).	30	Thirty Acres
Mangolds, Dung, and 2 cwt. Guano. (Carted off.)	Wheat (Varieties). 2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Barley (with Clover), 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Clover. Unmanured. One Crop as Hay.	Wheat (1/2), (Varieties). 50 bushels Soot. Mangolds (1/2), 15 tons Dung & 3 cwt. Guano.		22
Barley, where Barley 1873, 2 cwt. superphosphate, 2 cwt. Nitrate of Soda, where Clover 1873, Half quantities.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda (1/2 with Clover).	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda (1/2 with Clover).	Barley (1/2). 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda. Clover (1/2). Unmanured. Two Crops as Hay.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. Guano.	9	Little Hoos.
Barley. (1) 3/4 cwt. Guano, (2) 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda, (3) 1 1/2 cwt. Guano, 1 1/2 Nitrate.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	White Turnips, Dung. Superphosphate, 1/2 cwt. Nitrate Soda; part fed, part carted.	Wheat (Varieties). 2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. Guano.	18	Fosters'.
Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Oats, 2 1/2 cwt. superphosphate, 3 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Roots (1/2). Dung and Artificial. (Carted off). Fallow (1/2).	Wheat (1/2). 2 cwt. Nitrate Soda. Barley (1/2). 2 cwt. superphosphate, 2 cwt. Nitrate Soda (all with Clover).	Barley (1/2), 2 1/2 cwt. Guano. Clover (1/2), Unmanured.	9	Knott Wood.
Wheat (Varieties). 1 1/2 cwt. Nitrate Soda.	Oats, 2 1/2 cwt. superphosphate, 3 cwt. Nitrate Soda.	Oats (with Clover). 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Clover, Unmanured. First and second Crops as Hay; afterwards fed.	Wheat (Varieties). 2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. Guano.	14	Little Knott Wood.
Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Mangolds, 25 tons Dung. (Carted off.)	Wheat (Varieties). 1 1/2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Fallow.	14	Sawpit.
Barley, 1 cwt. Nitrate Soda.	Swedes, Dung, and Superphosphate.	Barley, 1 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Barley (1/2). 2 cwt. superphosphate, 2 cwt. Nitrate Soda. Fallow (1/2).	Mangolds, 15 tons Dung, 3 cwt. Guano.	8	Rick-yard.
Barley, 2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Barley (with Clover). 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Clover, Unmanured. Two Crops as Hay.	Wheat, 2 cwt. Nitrate Soda.	Mangolds, 15 tons Dung, 3 cwt. Guano.	6	Six Acres.
Oats, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Oats, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Fallow.	Wheat, 2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. Guano.	12	Clay-Croft.
Oats, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Fallow.	Wheat (with Clover). 2 cwt. Nitrate Soda.	Clover, Unmanured. Two Crops as Hay.	Barley, 2 cwt. Nitrate Soda (with Grass Seeds).	Grass, Unmanured.	10	Ten Acres.
Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. Wheat, 3 acres, Experiment.	Barley, 2 1/2 cwt. superphosphate, 3 cwt. Nitrate Soda. Swedes, 3 acres, Experiment.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda. Barley, 3 acres Experiment.	Potatos, Dung and Artificial. (3 acres Experiment 1/2 Beans, 1/2 Fallow.)	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (3 acres Experiment, Wheat).	Fallow, (3 acres Experiment, Swedes).	9	Agdell.
Oats, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Oats (1/2). 2 1/2 cwt. superphosphate, 3 cwt. Nitrate Soda. Tares (1/2), Dung.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 1/2 cwt. Guano.	25	Long Hoos.
Barley after Swedes (1/2) 2 cwt. superphosphate, 2 cwt. Nitrate Soda. Wheat after Mangolds (1/2) 1 1/2 cwt. Nitrate Soda.	Barley (with Clover). 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley (1/2). 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda. Tares (1/2). Dung.	Barley. (1) 2 1/2 cwt. superphosphate, 2 1/2 cwt. Nitrate Soda, (2) 2 1/2 cwt. Nit. Soda alone.	Roots (1/2). 25 tons Dung, 1 cwt. Nitrate Soda (Carted off); Fallow (1/2).	Wheat, 50 bushels Soot.	25	Sawyers'.
Oats, 2 cwt. superphosphate, (1) 1 1/2 Nitrate Soda, (2) 2 1/2 Nitrate Soda.	Oats, 2 cwt. superphosphate, (1) 1 1/2 Nitrate Soda, (2) 2 1/2 Nitrate Soda.	Fallow.	Wheat, 2 cwt. Nitrate Soda.	Winter Oats, 2 cwt. Nitrate Soda.	Barley, 50 bushels Soot.	30	West Barn.