

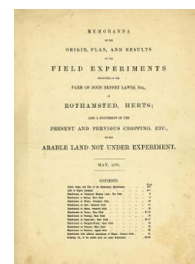
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1878

[Full Table of Content](#)



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

Rothamsted Research

Rothamsted Research (1879) *Cropping, &c. , of the Arable Land Not Under Experiment; Rothamsted Farm* ; Yields Of The Field Experiments 1878, pp 22 - 23 - DOI:

<https://doi.org/10.23637/ERADOC-1-242>

(22)

ROTHAMSTED

MAY,

SUMMARY STATEMENT OF THE PRESENT AND PREVIOUS

(14 Years, 1865-1878,

Name of Field.	Acres.	PREVIOUS CROPPING							
		1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.
Thirty Acres	30	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.	Barley, 2 cwt. superphos., 2 cwt. Nitrate Soda.	Barley, 2½ cwt. superphos., 2½ cwt. Nitr. Soda, (2½ acres experiment).
Harpenden	22	Wheat, Sheep-Folded.	Red Clover (peren.), Unmanured.	Wheat, 2½ cwt. Guano.	Oats, 2 cwt. Guano, & 1 cwt. Nitr. Soda. 1rd { and Sheep-folded.	Swedes, Dung and various Artificial Manures.	Wheat, 3 cwt. Guano.	Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda. Tares, Dung.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda, Tares, Dung.
Little Hoos	9	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.	Barley, 3 cwt. superphos., 2½ cwt. Nitrate Soda.	Barley (with Clover). 2½ cwt. superphos., 2½ cwt. Nitr. Soda.
Fosters'	18	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.	Roots, Tares, and Rape, Dung and Artificial.	Wheat, Varieties of Wheat, 2 cwt. superphos., 2 cwt. Nitr. Soda, ½ Sheep-folded.
Knott Wood	30	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.	Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.
Little Knott Wood	14	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.	Oats, 3 cwt. Guano, 1 cwt. Nitrate Soda.	Oats, ½ Sheep-folded. All, 2½ cwt. super., 2½ cwt. Nitr. Soda.
Sawpit	14	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.	Wheat, 3 cwt. Guano.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.
Rick-yard	8	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.	Mangolds, Dung and 4 cwt. Cotton Cake.	Wheat, Unmanured.
Six Acres	6	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.	Barley, 3 cwt. superphos., 2½ cwt. Nitrate Soda.	Barley, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.
Clay-Croft	12	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. super- phosphate.	Wheat, Unmanured.	Oats, 2½ cwt. superphos., 2½ cwt. Nitr. Soda.
Ten Acres	10	Tares, Dung.	Turnips, Artificial.	Wheat, Guano.	Red Clover.	Wheat, 2 cwt. Guano.	Oats, 3 cwt. Guano.	Mangolds, Dung and 4 cwt. Cotton Cake.	Wheat, Unmanured.
Agdell	9	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. super- phosphate.	Mangolds, Dung and 4 cwt. Cotton Cake.	Wheat, Unmanured (and part Roots).
Long Hoos	25	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.	Sainfoin, Unmanured. (Steam cultivated, July.)	Mangolds, Dung, (Carted off.)
Sawyers'	25	Swedes, Dung and Artificial.	Wheat and Barley, Sheep-Folded.	Red Clover, Unmanured.	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.
West Barn	32	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.	Sainfoin, Unmanured.	Sainfoin, Unmanured.

FARM.

1878.

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

inclusive.)

AND MANURING.

1873.	1874.	1875.	1876.	1877.	Crops, &c., Present Season, 1877-78.	Acres.	Name of Field.
Barley ($\frac{3}{4}$ with Grass-seeds). 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Grass ($\frac{3}{4}$). Folded, and 1 cwt. Nitrate. Barley ($\frac{1}{4}$). 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Grass ($\frac{3}{4}$). Sheep-folded. Tares ($\frac{1}{4}$). Dung.	Grass ($\frac{3}{4}$). Compost. Wheat ($\frac{1}{4}$). 1 cwt. Nitrate Soda.	Grass ($\frac{3}{4}$). Cattle Grazed. Barley ($\frac{1}{4}$). 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Grass ($\frac{3}{4}$). Cattle Grazed with Cotton-Cake. Tares ($\frac{1}{4}$). Dung.	30	Thirty Acres
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.	Mangolds, Dung, and 2 cwt. Guano. (Carted off.)	Wheat (Varieties). 2 cwt. Nitrate Soda.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Barley (with Clover). 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	22	Harpenden.
Barley ($\frac{1}{4}$). Unmanured. Clover ($\frac{1}{4}$). 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, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda ($\frac{1}{4}$ with Clover).	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda ($\frac{1}{4}$ with Clover).	Barley ($\frac{1}{4}$). 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda. Clover ($\frac{1}{4}$). Unmanured.	9	Little Hoos.
Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (2 acres experiment).	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, (1) 3 $\frac{1}{2}$ cwt. Guano, (4) 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda, (4) 1 $\frac{1}{2}$ cwt. Guano, 1 $\frac{1}{2}$ Nitrate.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	White Turnips, Dung. Superphosphate, $\frac{1}{2}$ cwt. Nitrate Soda; part fed, part carted.	Wheat (Varieties). 2 cwt. Nitrate Soda.	18	Fosters'.
Tares ($\frac{1}{4}$). Dung. Swedes ($\frac{1}{4}$). 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, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Oats, 2 $\frac{1}{2}$ cwt. superphosphate, 3 cwt. Nitrate Soda.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Roots ($\frac{1}{4}$). Dung and Artificial. Fallow ($\frac{1}{4}$).	30	Knott Wood.
Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Mangolds, Dung. (Carted off.)	Wheat (Varieties). 1 $\frac{1}{2}$ cwt. Nitrate Soda.	Oats, 2 $\frac{1}{2}$ cwt. superphosphate, 3 cwt. Nitrate Soda.	Oats (with Clover). 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Clover, Unmanured.	14	Little Knott Wood.
Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Mangolds, 25 tons Dung. (Carted off.)	Wheat (Varieties). 1 $\frac{1}{2}$ cwt. Nitrate Soda.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	14	Sawpit.
Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Tares, Dung. $\frac{1}{4}$ followed by Turnips, 1 cwt. superphosphate, 1 cwt. Nitrate Soda.	Barley, 1 cwt. Nitrate Soda.	Swedes, Dung, and Superphosphate.	Barley, 1 cwt. Nitrate Soda.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	8	Rick-yard.
Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Barley, 2 cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Barley (with Clover). 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Clover, Unmanured.	6	Six Acres.
Clover, Unmanured.	Wheat, 2 cwt. Nitrate Soda.	Oats, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Oats, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Fallow.	Wheat, 2 cwt. Nitrate Soda.	12	Clay-Croft.
Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda (5 acres experiment).	Oats, 2 cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Oats, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Fallow.	Wheat (with Clover). 2 cwt. Nitrate Soda.	Clover, Unmanured.	10	Ten Acres.
Clover, Unmanured. Barley, Experiment.	Wheat, 1 cwt. Nitrate Soda (3 acres Experiment, $\frac{1}{2}$ Clover, $\frac{1}{2}$ Fallow).	Barley, 2 cwt. superphosphate, 2 cwt. Nitrate Soda. Wheat, 3 acres, Experiment.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 3 cwt. Nitrate Soda. Swedes, 3 acres, Experiment.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda. Barley, 3 acres experiment.	Potatoes. Dung and Artificial. (3 acres experiment $\frac{1}{2}$ Beans, $\frac{1}{2}$ Fallow.)	9	Agdell.
Wheat. (1 Varieties of Wheat), 1 $\frac{1}{2}$ cwt. Nitrate Soda.	Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Oats, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Oats ($\frac{3}{4}$). 2 $\frac{1}{2}$ cwt. superphosphate, 3 cwt. Nitrate Soda. Tares ($\frac{1}{4}$). Dung.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	Barley, 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda.	25	Long Hoos.
Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Mangolds and Swedes, Dung.	Barley after Swedes ($\frac{3}{4}$). 2 cwt. superphosphate, 2 cwt. Nitrate Soda. Wheat after Mangolds ($\frac{1}{4}$). 1 $\frac{1}{2}$ cwt. Nitrate Soda.	Barley (with Clover). 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley ($\frac{1}{4}$). 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda. Tares ($\frac{1}{4}$). Dung.	Barley, ($\frac{3}{4}$) 2 $\frac{1}{2}$ cwt. superphosphate, 2 $\frac{1}{2}$ cwt. Nitrate Soda, ($\frac{1}{4}$) 2 $\frac{1}{2}$ cwt. Nit. Soda alone.	25	Sawyers'.
Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Wheat (Oats fed off 1873), 1 $\frac{1}{2}$ cwt. Nitrate Soda.	Oats, 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Oats, 2 cwt. superphosphate, ($\frac{3}{4}$) 1 $\frac{1}{2}$ Nitrate Soda, ($\frac{1}{4}$) 2 $\frac{1}{2}$ Nitrate Soda.	Fallow.	Wheat, 2 cwt. Nitrate Soda.	32	West Barn.