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Yields of the Field Experiments 1878

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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, 1865-1878,

PREVIOUS CROPPING

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 experimt.).
Harpenden	22	Wheat, Sheep-Folded.	Red Clover (peren.), Unmanured.	Wheat, 2½ cwt. Guano.	Oats, 2 cwt. Guano, & 1 cwt. Nitr. Soda. ½ rd. { 1 cwt. Nitr. Soda. 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 (½ with Grass-seeds). 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Grass (¾). Folded, and 1 cwt. Nitrate. Barley (¼). 2 cwt. superphosphate, 2½ cwt. Nitrate Soda.	Grass (¾). Sheep-folded. Tares (¼). Dung.	Grass (¾). Compost. Wheat (¼). 1 cwt. Nitrate Soda.	Grass (¾). Cattle Grazed. Barley (¼). 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Grass (¾). Cattle Grazed with Cotton-Cake. Tares (¼). Dung.	30	Thirty Acres
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.	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Barley (with Clover), 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	22	Harpندن.
Barley (¼). Unmanured. Clover (¼). 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, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda (½ with Clover).	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda (½ with Clover).	Barley (¼). 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. Clover (¼). 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) 3½ cwt. Guano, (¼) 2½ cwt. superphosphate, (¼) 2½ cwt. Nitrate Soda, (¼) 1½ cwt. Guano, 1½ Nitrate.	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	White Turnips, Dung. Superphosphate, ½ cwt. Nitrate Soda; part fed, part carted.	Wheat (Varieties). 2 cwt. Nitrate Soda.	18	Fosters'.
Tares (¼). 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.	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Roots (¼). Dung and Artificial. Fallow (¼).	30	Knott Wood.
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.	Oats (with Clover). 2½ cwt. superphosphate, 2½ 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, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Mangolds, 25 tons Dung. (Carted off.)	Wheat (Varieties). 1½ cwt. Nitrate Soda.	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	14	Sawpit.
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.	Barley, 1 cwt. Nitrate Soda.	Barley, (with Clover). 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	8	Rick-yard.
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, 3 cwt. Nitrate Soda.	Barley (with Clover). 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Clover, Unmanured.	6	Six Acres.
Clover, Unmanured.	Wheat, 2 cwt. Nitrate Soda.	Oats, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Oats, 2½ cwt. superphosphate, 2½ 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, 2½ cwt. Nitrate Soda.	Oats, 2½ cwt. superphosphate, 2½ 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, ¼ Clover, ¼ 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.	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Potatoes. Dung and Artificial. (3 acres experiment ½ Beans, ½ Fallow.)	9	Agdell.
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 (¼). Dung.	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	Barley, 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda.	25	Long Hoos.
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 (¼). 1½ cwt. Nitrate Soda.	Barley (with Clover). 2 cwt. superphosphate, 2 cwt. Nitrate Soda.	Barley (¾). 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda. Tares (¼). Dung.	Barley, (¾) 2½ cwt. superphosphate, 2½ cwt. Nitrate Soda, (¼) 2½ cwt. Nit. Soda alone.	25	Sawyers'.
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, (¼) 2½ Nitrate Soda.	Fallow.	Wheat, 2 cwt. Nitrate Soda.	32	West Barn.