

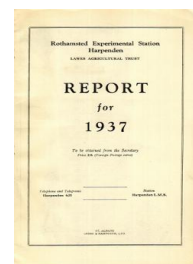
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## Report for 1937

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## Dates of Operations and Yields

### Rothamsted Research

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**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, WOBURN, 1937**

Field	Crop	Variety	Principal Cultivations and Dates	Sowing Dates	Cutting or Raising Dates	Carting Dates	Manuring per acre	Yield per acre
1. <i>Arable</i> Butt Furlong (1)	Sugar Beet	Klein-wanzleben	Dec. 4-6, 1936—Plough; Apl. 28, 1937—Harrow; May 1—Sow and harrow; May 5—Roll; May 17-20—Hand-hoe; May 28—June 2—Single to 9 ins. apart; June 9-10—Horse-hoe; June 12—Apply Sulphate of Ammonia at 1 cwt. per acre; June 22-July 19—Hand-hoe at intervals; July 24 and onward—Hand-hoe, and weed. Sept. 29, 1936—Spring time harrow wheat stubble; Oct. 22-24—Haul on 30 tons farmyard manure per acre and spread; Nov. 5-8—Plough; Apl. 19-20, 1937—Tractor cultivate; Apl. 24-27—Bout up and plant potatoes, and cover; May 8 and 27—Harrow; June 9—Horse-hoe; June 17-21—Hand-hoe; June 23-24—Bout up.	May 1	Oct. 11 and at intervals afterwards	—	1 cwt. Sulphate of Ammonia	12 tons
(2)	Potatoes	Majestic		April 26	Oct. 1, and at intervals afterwards	—	30 tons dung, 2 cwt. Sulphate of Ammonia	6 tons
Butt Close (1)	Wheat	Red Standard Yeoman II, Sq. Head's Master	Oct. 15-17, 1936—Plough and double harrow; Oct. 27—Sow; Apl. 8-9, 1937—Harrow; Apl. 15 and 27—Apply Sulphate of Ammonia; Apl. 24 and 30—Harrow.	October 27 1936	August 4-5	August 12	2 cwt. Sulphate of Ammonia	Yeoman II. 21.9 cwt. Sq. Head's Master 21.1 cwt.
(2)	Carrots	Early Model and New Model	Feb. 15—Plough; Feb. 20-23—Harrow, roll, and sow with carrots; May 3-20—Hand-hoe; June 2—Apply Sulphate of Ammonia; June 9—Hand-hoe.	February 23	July 26	—	2 cwt. Sulphate of Ammonia	(Sold standing)

**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, WOBURN, 1937 (Continued)**

Field	Crop	Variety	Principal Cultivations and Dates	Sowing Dates	Cutting or Raising Dates	Carting Dates	Manuring per acre	Yield per acre
(3)	Barley	Plumage Archer	March—Plough, after cabbages, etc.; Apl. 5—Tractor cultivate and harrow; Apl. 5 and 24—Sow at 3 bush. per acre and harrow; May 5—Roll; May 14 and 20—Apply Sulphate of Ammonia.	April 5 and 24	August 17-18	August 26-27	1 cwt. Sulphate of Ammonia	24 cwt.
Lansome Piece (1)	Lucerne	Grimm	(Planted in 1932) Nov. 19, 30; Dec. 12, 31, 1936; Jan. 11, 1937—Harrow thoroughly on each occasion; Jan. 13—Haul on and spread manure; June 26—First cutting; June 28 and July 5—Harrow; August 10—Second cutting; Aug. 11 and 16—Harrow; Oct. 15—Third cutting.	—	June 26 August 10 October 15	—	10 tons dung	5 tons lucerne hay
(2)	Green Manuring Wheat	Red Standard	Sept. 14-15, 1936—Plough; Oct. 19—Double Harrow; Oct. 27—Drill and harrow wheat; Apl. 5, 9, 28 and May 19—Harrow.	October 27, 1936	July 30	August 9	—	9.6 bushels
(3)	Brussels Sprouts and Cabbages		Nov. 6-12, 1936—Raise previous crop of sugar beet; Dec. 2-4—Spread beet tops; Dec. 3-30—Apply farmyard manure; Dec. 30-Jan. 5—Plough; May 10—Harrow; May 20-27—Plough; June 11-14—Harrow and plant Brussels Sprouts; June 15—Drill Cabbage on rest of area; July 7-8—Horse-hoe; July 20 and at intervals—Horse-hoe cabbage; July 29-30—Single cabbage; Aug. 10-12—Apply Sulphate of Ammonia.	Sprouts transplanted June 11; Cabbage sown — June 15	At intervals to February 5, 1938	—	25 tons dung 1 cwt. Sulphate of Ammonia	(Sold standing)

DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, WOBURN, 1937 (Continued)

Field	Crop	Variety	Principal Cultivations and Dates	Sowing Dates	Cutting or Raising Dates	Carting Dates	Manuring per acre	Yield per acre
Stackyard Field (1)	Permanent Wheat	Red Standard	Sept. 17, 1936—Plough with tractor : Oct. 27—Harrow and sow wheat, and harrow : Apl. 7 and May 4, 1937—Harrow.	October 27, 1936	August 11	August 23	—	12.2 bushels
(2)	Permanent Barley	Plumage Archer	Sept. 7, 1936—Plough with tractor : Mar. 30, 1937—Harrow both ways with spring tine harrow : May 31—Harrow and sow (3 bush. per acre), and harrow : May 3—Roll and harrow : May 15—Harrow : May 24 to June 15—Hand-hoe at intervals.	March 31	August 23	August 27	—	2.4 bushels
(3) (Series C)	Wheat	Red Standard	Sept. 14-16, 1936—Plough with tractor Oct. 2, 19, 22, 28—Cross cultivate with tractor : Oct. 28—Cross cultivate and harrow : Oct. 29—Drill 3 bush. per acre wheat seed and harrow : Apl. 7, 8, 12, May 4-5—Harrow.	October 29, 1936	August 12	August 25	—	17.4 bushels

II. *Grassland*. All grassland was harrowed with the chain harrow in April 1937, and then rolled with the Cambridge roller. The following fields were then laid in for hay, which was cut as follows :—

Roadpiece Field—June 25 (S.W. end) and July 14 (rest of field).

Great Hill—June 9-10 (East end) and July 14 (rest of field).

Warren Field—July 1-3 (N. Paddock) and July 12-13 (rest of field)

Lansome Field (S.W.)—June 12.

The remainder of the grass, viz. :—Great Hill Bottom, Honeypot, Broad Mead, Long Mead, Mill Dam Close, and the N.W. end of Butt Fur-long was grazed and cut over.