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## Report for 1935

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### Date of Operations and Yields

#### Rothamsted Research

Rothamsted Research (1936) *Date of Operations and Yields* ; Report For 1935, pp 135 - 137 - DOI: <https://doi.org/10.23637/ERADOC-1-67>

**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, WOBURN, 1935**

(The Cultivations and Manurings of the replicated experiments are given in the appropriate Yield Tables.)

Field	Crop	Variety	Principal Cultivations and Dates	Sowing Dates	Cutting or Raising Dates	Carting Dates	Manuring per Acre	Yield per Acre
I. Arable Butt Close	Sugar beet	Klein-wanzleben	Feb. 1-2, 1934—Tractor plough after potatoes; Mar. 8—Tractor cultivate; Mar. 13—Harrow; Mar. 20—Springtime harrow; April 15—Harrow; April 24—Drill seed 20 lbs. per acre and flat roll; May 17—Horse hoe; May 22—Start bunching; June 3—Start singling; June 13—Finish singling; June 19, July 25—Horse hoe; July 24-30—Hand hoe	April 24	Oct. 24— Nov. 5. (Tops fed to cattle)	—	—	10 tons
Butt Furlong (1)	Kale	Marrow-stem and Thousand headed	Feb. 28—Mar. 3—Plough in dung Mar. 13—Cambridge roll; Mar. 21—Cross-cultivate; Cambridge roll; Mar. 23—Drill $\frac{3}{4}$ acre M-S Kale and roll; Apl. 30 and May 7—Horse hoe; May 7—Drill 2nd strip M-S Kale and roll; May 14—Horse hoe first plant; May 21—Hand-hoe; May 22-24—Horse-hoe; May 27—Harrow; May 30—Cambridge roll, 2nd planting Kale; June 11—Drill 3rd strip with T-H Kale and roll; June 24—Horse hoe all Kale; June 29—Drill last strip with T-H Kale and roll; July 10 and 24—Horse hoe 3rd and 4th strips Kale. (As for Kale to Mar. 21). Mar. 25-26—Bout up for potatoes; Apl. 2-3—Plant potatoes, 25 cwt. per acre and cover; Apl. 27—Harrow down; May 11-13—Bout up; May 17-18—Horse hoe May 27—Harrow down; June 6 Bout up	<i>Marrow-stem</i> Mar. 23 May 7 <i>Thousand headed</i> June 11 June 29	Cut as required during winter and spring for feeding to stock	—	Farmyard manure 25 tons per acre (Feb. 1-28) Sulphate of Ammonia 1st strip—1 cwt., May 14. Whole area— $\frac{1}{2}$ cwt., Aug. 3.	20 tons
Butt Furlong (2)	Potatoes	Majestic		April 2-3	Oct. 7-15	Pitted in field	Farmyard manure 25 tons per acre (Feb. 1-28)	8 tons

**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, WOBURN, 1935 (Continued)**

Field	Crop	Variety	Principal Cultivations and Dates	Sowing Dates	Cutting or Raising Dates	Carting Dates	Manuring per Acre	Yield per Acre
Lansome Piece (1)	Potatoes	Majestic and Ally	Mar. 15-20—Plough, after Kale ; Mar. 21—Cambridge roll ; Mar. 27—Bout up ; Apl. 3—Plant 1st lot potatoes and cover, and Apl. 29—pull down ridges ; Apl. 30—Plant 2nd lot potatoes and cover ; May 3—Plough for 3rd planting ; May 14—Harrow, roll and bout up ; May 16—Plant 3rd lot potatoes and cover ; May 22—Horse-hoe ; May 27—Harrow down ; June 5—Bout up ; June 11—Harrow down ; June 17—Horse-hoe all lots ; June 24-25—Bout up	Apl. 3 April 30 May 16	Oct. 16-24	Pitted in field	—	8 tons
Lansome Piece (2)	Lucerne	Provence	(Planted in 1932). Nov. 30, 1934—Harrow three times ; Dec. 8, 24, 31, 1934—Harrow 3 times on each date ; Jan. 5—Harrow 3 times ; Jan. 16—Harrow 6 times ; Jan. 19—Harrow 3 times Mar. 18—Harrow Nov. 30—Dec. 12, 1930—Tractor plough ; Mar. 22—Tractor-cultivate and harrow ; Mar. 26—Tractor-cultivate ; Mar. 28 and 30—Tractor-harrow and roll ; May 13 and 22—Tractor-cultivate ; June 28 and July 2 Tractor-cultivate and harrow ; Sept. 19-27—Tractor plough Oct. 12-16, 1934—Plough ; Oct. 27—Cross roll ; Mar. 6-10—Harrow ; Mar. 20—Flat roll ; Mar. 25—Harrow ; Apl. 15, Apl. 29, May 2—Harrow ; May 8—Cross harrow	(Planted in 1932) —	July 3-4 Aug. 16 Nov. 18	Carted green at once	Farmyard manure 10 tons per acre Jan. 22, 1935	25 tons green forage
Stackyard Field	Permanent Wheat Permanent Barley	Fallow Fallow		—	—	—	—	—
Stackyard Field Series A	Wheat	Red Standard		Nov. 6, 1934	Aug. 15	Aug. 22	Tares and Mustard fed off with 1½ cwt. cake or corn per acre	11 bush. (average)

**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, WOBURN, 1935 (Continued)**

Field	Crop	Variety	Principal Cultivations and Dates	Sowing Dates	Cutting or Raising Dates	Carting Dates	Manuring per Acre	Yield per Acre
Stackyard Field Series A	Tares and Mustard	—	Dec. 12-13—Tractor plough; Mar. 8 and 22—Tractor cultivate and harrow; Mar. 26—Cambridge roll; Mar. 28—Manure, sow tares, harrow and roll; Apl. 29—Sow mustard and harrow, and harrow tares; May 2 and 8—Harrow tares; July 17—Both crops a failure, so cut over; July 31, Aug. 6 and 8, Tractor cultivate; Sept. 9-10—Tractor plough	Tares—Mar. 28 Mustard—Apl. 29	Ploughed in	—	3 cwt. super-phosphate 1 cwt. sulphate of potash	—
Stackyard Field Series C	Barley	Plumage Archer	Mar. 2-4—Tractor plough after feeding sheep; Mar. 5—Tractor cross-cultivate and harrow; Mar. 7—Sow barley and harrow; Mar. 8—Cambridge roll; Mar. 19—Sow Alsike Clover and harrow; Mar. 20—Flat roll May 10—Mow over for weeds; July 6—Cut Clover	Barley—Mar. 7 Clover—Mar. 19	Aug. 7	Aug. 20	Manured by feeding off roots with cake or corn	34 bush. (average)
Stackyard Field Series D	Clover	Alsike	May 10—Mow over for weeds; July 6—Cut Clover	May 1 and Sept. 6, 1934	July 6	July 15	—	14 cwt. hay (average)
Lansome Piece (Green Manuring)	Wheat	Red Standard	Oct. 16-19—Plough in 2nd crop of Mustard and Tares; Oct. 26 Double roll; Nov. 2—Sow wheat and harrow; Mar. 18, Apl. 23, May 14—Harrow	Nov. 2, 1934	July 26	Aug. 13	Green manured with previous Mustard and Tares crop	12 bush. (average)

11. *Grassland*. Broad Mead, Paddocks 1 and 4, and the N.E. side of Great Hill Field were grazed and then laid in for hay, which was cut about July 18th. The remainder of Broad Mead and of Great Hill Field, as well as Roadpiece, Great Hill Bottom, Long Mead, Mill Dam Close, and Warren Field were grazed and cut over.