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Dates of Operations and Yields, Rothamsted

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DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, ROTHAMSTED, 1938

Field	Crop	Variety	Principal Cultivations and Dates	Manuring per acre	Sowing Date	Cutting Date	Carting Date	Yield per acre
<i>Arable</i> Great Knott	Spring Oats	Star	T. cultivated Sept. 15 to Oct. 18. H. ploughed Jan. 4 to Feb. 4. T. cultivated (after potatoes) Feb. 5 and 9. T. cultivated Feb. 24. T. rolled and spring tine harrowed Feb. 28. H. harrowed March 1 and 9. H. ring rolled March 12.	March 4 1 cwt. sulphate of ammonia	March 2 4 bushels per acre	July 29 to August 5	August 31	27.75 cwt.
Great Harpenden	Winter and Spring Beans	—	Ploughed in winter beans Oct. 25. H. harrowed winter beans Feb. 23. Ploughed in spring beans Feb. 24 and 25. H. harrowed spring beans March 21. H. hoed April 6 to May 2. Hand hoed May 26 to June 3. Spring beans failed.	Oct. 25 10 tons F.Y.M. for winter beans. Feb. 23 10 tons F.Y.M. for spring beans	Oct. 26 (winter beans) Feb. 24 & 25 (spring beans)	August 3	August 31	12.5 cwt.
Little Hoos	Barley	Abed Kenia	Finished folding kale March 5. H. and T. ploughed Feb. 19 to March 19. T. disc harrowed May 10. H. ring rolled May 18. T. disced and rolled, and spring tine harrowed May 20. H. harrowed and ring rolled May 21 and 23. Crop failed and commenced folding sheep Aug. 4.	May 20 2 cwt. sulphate of ammonia 3 cwt. superphosphate	May 23	—	—	—
Long Hoos I, II and III	Wheat	Victor	H. and T. ploughed Sept. 17 to 27. T. spring tine harrowed and rolled Oct. 29. H. harrowed Nov. 8 to 12, and Mar. 15. H. ring rolled Mar. 18. Hand hoed weeds Mar. 16 to 25.	March 14 1½ cwt. sulphate of ammonia	Nov. 8 and 10	Aug. 9 to 12	Aug. 24 and 27	40.6 cwt.

DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, ROTHAMSTED, 1938 (Continued)

Field	Crop	Variety	Principal Cultivations and Dates	Manuring per acre	Sowing Date	Cutting Date	Carting Date	Yield per acre
Pennell's Piece	Potatoes	King Edward VII	H. ploughed Sept. 6 to 10. T. cultivated Feb. 23 and Mar. 8. T. rolled and spring tine harrowed Mar. 8. H. harrowed Mar. 9. Ridged Mar. 10. Rolled and re-ridged April 15. Hand hoed weeds June 21.	April 19 & 20 8 tons F.Y.M. April 14 3 cwt. super-phosphate 1½ cwt. sulphate of potash 1½ cwt. sulphate of ammonia March 3 3 cwt. super-phosphate April 11 1 cwt. sulphate of ammonia	April 21	—	Oct. 12 Potatoes lifted	—
Harwood's Piece	Barley	Plumage Archer	T. ploughed Feb. 7 to 9. T. cultivated Feb. 26. T. rolled and spring tine harrowed Mar. 3. H. harrowed Mar. 3. H. ring rolled April 11.	—	Mar. 3 and 4	Aug. 4 and 5	Aug. 18 to 20	31.56 cwt.
Bones Close	Fallow	—	T. cultivated Oct. 6. T. ploughed Mar. 1. T. rolled and spring tine harrowed Mar. 17 and repeated twice June 3. T. thistlebar July 6 and Sept. 1. T. shallow ploughed Sept. 13. T. cultivated Oct. 4. H. ploughed Mar. 7 to April 7. H. ring rolled May 10 to 12. T. disc harrowed May 12. T. rolled and spring tine harrowed May 18 and 19. H. harrowed and rolled May 31 and June 1 (most of first sowing failed). T. thistlebar most of field July 5. H. harrowed July 5. H. hoed June 30, July 8 and 9, Aug. 15 to 27.	—	—	—	—	—
Fosters	Kale	Thousand Head	—	June 1 3 cwt. sulphate of ammonia July 19 3 cwt. sulphate of ammonia	June 1 (1st sowing) July 7 (2nd sowing)	—	Kale folded Feb. 11 to Mar. 15	Estimated yield 20 tons

DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, ROTHAMSTED, 1938 (Continued)

Field	Crop	Variety	Principal Cultivations and Dates	Manuring per acre	Sowing Date	Cutting Date	Carting Date	Yield per acre
Pastures	Kale and Annual Experiments	Marrow stemmed	T. cultivated stubble twice Sept. 16 to 30. H. and T. ploughed Feb. 17 to 21. T. cultivated both ways Mar. 8 and 9. T. rolled and spring tined harrowed Mar. 12 and 17, and twice on May 5. H. harrowed and ring rolled May 12 and 20. H. hoed June 16 to July 15. Hand hoed thistles June 23.	April 4 3 cwt. super-phosphate May 19 4 cwt. sulphate of ammonia July 19 3 cwt. sulphate of ammonia (all to kale)	May 19	—	Kale folded Jan. 12 to 29	Estimated yield 30 tons
<i>Grassland:</i> Great Field I II III	Grazed	Old Pasture do. do.	T. chain harrowed Mar. 30. Topped June 17 to July 25.	—	—	—	—	—
Great Knott I	do.	See Report 1931	T. chain harrowed April 1. Topped July 7.	See Report 1931	—	—	—	—
II	do.	do.	H. chain harrowed Jan. 10. Topped Aug. 31.	do.	—	—	—	—
Little Knott I and II	do.	do.	Topped July 8.	do.	—	—	—	—
West Barnfield I and II	do.	do.	H. chain harrowed Jan. 10 and 14. T. chain harrowed Mar. 31. Topped Aug. 8.	do.	—	—	—	—
Stackyard	do.	do.	T. chain harrowed Mar. 31. Topped Sept. 19 and 21.	do.	—	—	—	—
New Zealand Sawyers I	do.	do.	Topped July 8.	do.	—	—	—	—
II	do.	do.	Topped Sept. 22.	do.	—	—	—	—
III	do.	do.	—	do.	—	—	—	—
Hill Harpenden	do.	Old Pasture	T. chain harrowed Mar. 23. Topped July 22.	—	—	—	—	—
Delharding	do.	do.	T. chain harrowed Mar. 19. Topped July 11.	—	—	—	—	—
Appletree Foster's Corner	do.	do.	T. chain harrowed Mar. 22.	—	—	—	—	—
High Field	do.	See Report 1931	—	do.	—	—	—	—
	R.A.S.E. experiment	Old Pasture	T. chain harrowed twice Mar. 23-30. Cut nettles June 27.	—	—	—	—	—