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## Report for 1934

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## Dates of Operations and Yields, Rothamsted

### Rothamsted Research

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**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, ROTHAMSTED, 1934**

(The cultivations and manurings of the replicated experiments are given in the appropriate yield tables)

Field.	Crop.	Variety.	Principal Cultivations and Dates.	Manuring per acre.	Sowing Dates.	Cutting Dates.	Carting Dates.	Yield per acre
1. <i>Arable—non-experimental</i> Great Knott	Barley	Plumage Archer	Horse and tractor ploughing started, March 19. T. disced and rolled. T. harrowed and rolled. Sown and harrowed in by March 29. H. ring rolled April 7. Land after Linseed T. ploughed, September 7 and 14, 1933. T. disced Sept. 28, 1933. H. harrowed Sept. 29, 1933. Drag harrowed Oct. 6th, 1933. H. harrowed, drilled and harrowed in Oct. 9 and 10, 1933. H. harrowed and patched spring beans Feb. 13. Land after Brussels sprouts experiment H. ploughed and harrowed, Feb. 14. H. harrowed and drilled, Feb. 22. Harrowed in Feb. 23. Horse and hand-hoed throughout season.	Experimental strip not dressed 1933, tons per acre. None.	March 29 at 3½ bushels per acre.	August 6, 7 and 8.	August 17-21.	25½ cwt.
	Beans	Winter and Spring			Oct. 9 and 10, 1933 (Winter). Feb. 13 and 22 (Spring).	July 31.	August 23.	13 cwt.
Fosters	Kale (11 acres)	Marrow-stem and Thousand-head	T. ploughed in dung, Sept. 1-15, 1933 (N. side). T. ploughed in dung, Mar. 30-April (S. Side). T. harrow and roll, April 20. Commenced drilling and harrowing in April 21. Each strip H. rolled after sowing. H. hoed throughout summer. Hand-hoed July 17. 1st sown strip failed twice and sown rape and turnips, June 15th.	20 tons. N. side, Sept. 1933. S. side, March 1934. 2 cwt. sulphate of ammonia in seed bed. 1 cwt. sulphate of ammonia June 3.	In strips from north. April 21. May 10. May 22 (T. head). May 23. First sown strip resown June 15 (Rape and turnips)	—	—	20 tons.

**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, ROTHAMSTED, 1934 (Continued)**

Field.	Crop.	Variety.	Principal Cultivations and Dates.	Manuring per acre.	Sowing Dates.	Cutting Dates.	Carting Dates.	Yield per acre.
Little Hoos	Wheat	Victor	T. ploughed July 4, 1933. T. springtime and harrow, Oct. 9, 1933. T. thistlebar and harrowed, Oct. 14, 1933. Drilled with precision drill, Oct. 16, 1933. Harrowed in Oct. 17, 1933.	1½ cwt. sulphate of ammonia April 12.	October 16, 1933, at 3 bushels per acre.	August 1.	August 10	32½ cwt.
Pennell's Piece	Wheat	Victor	T. cultivated, Oct. 10, 1933. H. harrowed and drilled, Oct. 12, 1933. Harrowed in, Oct. 12, 1933.	None.	October 12, 1933, at 3 bushels per acre.	August 11.	August 16	13½ cwt.
Pastures	Oats (10½ acres)	Marvellous	T. ploughed, Aug. 24, 1933, after wheat. T. and H. ploughed, Dec. 23, 1933, after sugar beet and potatoes. H. harrowed, Feb. 15. Drilled both ways with precision drill, Feb. 19. Harrowed in, Feb. 20. S. strip undersown seeds for experiment, April 20. N. strip undersown May 2, with 20 lb. Western Wolth's Rye Grass, 4 lb. B. Red Clover, 4 lb. Trefoil, 1 lb. Dutch White Clover per acre.	1 cwt. sulphate of ammonia, May 1st.	February 19 at 4 bushels per acre. (own seed).	July 30.	August 16	15 cwt.
Long Hoos II	Linseed (1½ acres)	—	H. ploughed Nov. 7, 1933. T. disc and harrowed, May 14. T. cultivated and rolled, May 17. H. rolled, May 18. Sown, harrowed and rolled in, May 19.	1½ cwt. sulphate of ammonia, May 18. 1 cwt. sulphate of ammonia E. half, June 9	May 19	Aug. 31	Sept. 13	10 cwt.
	Potatoes (1 acre)	Dunbar Cavalier	H. ploughed, Nov. 7, 1933. H. harrowed, April 21. H. ring rolled, April 25. Ridged, April 26. Dung spread in bouts. Harrowed down, May 19. Grubbed throughout summer. Ridged up, June 29.	15 tons dung	May 1	Lifted Oct. 15	—	11 tons

**DATES OF SOWING AND HARVESTING, AND YIELD PER ACRE, ROTHAMSTED, 1934 (Continued)**

Field.	Crop.	Variety.	Principal Cultivations and Dates.	Manuring per acre.	Sowing Dates.	Cutting Dates.	Carting Dates.	Yield per acre.
Harwoods Piece	Fallow	—	T. disced and rolled, May 17. T. ploughed, May 18 and 26. H. cultivate, June 11, 12 and 19. H. cultivate both ways, July 14. T. wilder harrowed, July 10. Docks collected and burnt, July 20-21. T. drag harrowed and H. chain harrowed, July 23 and 24. Twitch collected and burnt, July 25 and 26. Cross H. ploughed, July 27 to Aug. 3. T. cultivated both ways, Aug. 24 and 25. T. thistlebar, Oct. 13. T. cultivate both ways, Oct. 27 and 29. T. rolled and harrowed. Topped, July 19.	—	—	—	—	—
<i>II. Grassland</i> Great Field I.	Grazed	Old Pasture	—	—	—	—	—	—
II.	Hay after Grazing	Ditto	—	—	—	July 3	July 7	45 cwt.
III.	Grazed	Ditto	T. rolled and harrowed. Topped, July 19.	—	—	—	—	—
Little Knott, I. and II.	Grazed	See Report 1931	—	—	—	—	—	—
Great Knott, I. and II.	Grazed	Ditto	Thistles cut, Aug. 8.	—	—	—	—	—
West Barnfield, I.	Grazed	Ditto	—	—	—	—	—	—
II.	Hay after Grazing	Ditto	—	1 cwt. sulphate of ammonia, April 17	—	June 21	June 30	30 cwt.
Foster's Corner Great Harpenden Stackyard New Zealand	Grazed Hay after Grazing Grazed Grazed	Ditto Ditto Ditto Ditto	Thistles cut, Aug. 2. — Thistles hand cut, Aug. 7. Thistles and nettles hand scythed July 25.	— — — —	— — — —	July 2 — — —	July 6 — — —	— — — —
Sawyers, I.	Hay after Grazing	Ditto	—	—	—	June 16-18.	June 30.	30 cwt.
II.	Grazed	Ditto	Topped, Aug. 9.	—	—	—	—	—
III.	Grazed	Ditto	Thistles cut, Aug. 2.	—	—	—	—	—
Hill Harpenden Delharding High Field	Grazed Grazed Grazed	Old Pasture Ditto Ditto	Topped, July 16. Topped, July 13. Topped, July 10.	— — —	— — —	— — —	— — —	— — —