

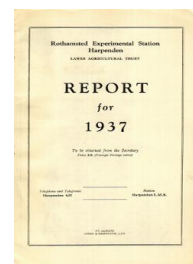
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## Report for 1937

[Full Table of Content](#)



### **Dates of Sowing and Harvesting, and Yield per Acre, 1937/DATES of Operation and Yields, Rothamsted**

#### **Rothamsted Research**

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

| Field                 | Crop                        | Variety                          | Principal Cultivations and Dates   | Manuring per acre  | Sowing Dates | Cutting Dates | Carting Dates | Yield per acre |
|-----------------------|-----------------------------|----------------------------------|--|--|--------------|---------------|---------------|----------------|
| Arable<br>Great Knott | Annual Experiments and Kale | Marrow Stem                      | T. cultivated both ways Sept. 25 H. ploughed April 7. T. rolled and spring harrowed twice June 2 and June 11. H. harrowed June 16. H. rolled, drilled, harrowed and rolled in kale at 4½ lb. per acre June 7. H. hoed July 19. Commenced folding Sept. 14.<br>T. cultivated both ways Sept. 25. H. ploughed Nov. 25. T. spring tine harrowed April 9. Drilled and harrowed in wheat at 3 bush. per acre April 12.<br>T. cultivated Oct. 7. Commenced H. ploughing Jan. 7. Finished H. ploughing Mar. 5. T. spring tine harrow Mar. 26. H. harrow and drill oats at 4 bush. per acre April 12. Area under potatoes 1936 undersown with Montgomery Late Flowering Red Clover at 20 lb. per acre May 25.<br>H. ploughed March 5-April 6. T. spring tine harrowed and disced April 12. H. harrow and drill barley at 3 bush. per acre April 23. H. ring roll April 26. | June 30<br>3 cwt. nitro-chalk<br>July 22<br>2 cwt. sulphate of ammonia | June 17      | —             | —             | 15 tons        |
|                       |                             |                                  |  |  |              |               |               |                |
| Great<br>Harpenden    | Oats                        | Star and headlands<br>Marvellous | T. cultivated Oct. 7. Commenced H. ploughing Jan. 7. Finished H. ploughing Mar. 5. T. spring tine harrow Mar. 26. H. harrow and drill oats at 4 bush. per acre April 12. Area under potatoes 1936 undersown with Montgomery Late Flowering Red Clover at 20 lb. per acre May 25.<br>H. ploughed March 5-April 6. T. spring tine harrowed and disced April 12. H. harrow and drill barley at 3 bush. per acre April 23. H. ring roll April 26.  | April 13<br>1 cwt. sulphate of ammonia                                 | April 12     | August 16     | August 31     | 19 cwt.        |
|                       |                             |                                  |  |  |              |               |               |                |
| Little Hoos           | Kale                        | Marrow Stem and Thousand Head    | T. ploughed May 19. T. rolled and spring tine harrowed three times May 28-June 12. H. harrow and drill at 4½ lb. per acre. H. harrow and ring roll June 15. H. hoe July 14 and Aug 9. Commence folding ewes Sept. 20.  | June 22<br>2½ cwts. nitro-chalk<br>July 22<br>2½ cwts. nitro-chalk     | June 15      | Sheep folded  | —             | 20 tons        |

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

| Field                | Crop                  | Variety    | Principal Cultivations and Dates   | Manuring per acre                    | Sowing Dates | Cutting Dates | Carting Dates | Yield per acre |
|----------------------|-----------------------|------------|--|--------------------------------------|--------------|---------------|---------------|----------------|
| Pennell's Piece      | Wheat                 | Victor     | H. ploughed Sept. 28. H. harrowed Oct. 24. H. spring tine harrowed twice Nov. 10 and Nov. 23. H. harrowed, drilled and harrowed in wheat at 3 bush. per acre Nov. 24.<br>T. ploughed Oct. 9. Long stubble harrowed up, collected and carted off Oct. 12. T. spring tine harrowed Oct. 19. T. rolled and harrowed Oct. 20. H. harrowed, drilled and harrowed in wheat at 3 bush. per acre Oct. 22.  | —                                    | Nov. 24      | August 16     | August 24     | 18 cwt.        |
| Pastures             | Wheat                 | Victor     | Spread dung after rye, Sept. 26. Commenced H. ploughing Sept. 28. Finished H. ploughing Oct. 14. T. spring tine harrowed Oct. 15. H. harrowed Oct. 16. Drilled and harrowed in wheat at 3 bushels per acre Oct. 18. Cut kale stalks April 22. T. ploughed April 22—May 1. T. disced, rolled and spring tine harrowed three times April 27—May 7. H. harrowed and rolled May 7. Drilled and harrowed in barley at 3 bushels per acre May 10. H. ring rolled June 4. | May 15<br>1 cwt. sulphate of ammonia | Oct. 22      | August 16     | August 25     | 15 cwt.        |
| Long Hoos I, II, III | Wheat (3½ acres)      | Victor     |  | —                                    | Oct. 18      | August 10     | August 24     | 18 cwt.        |
|                      | and Barley (8½ acres) | Abed Kenia |  | —                                    | May 10       | Sept. 2       | Sept. 8       | 17 cwt.        |
| Harwood's Piece      | Wheat                 | Rivett     | T. ploughed Oct. 15. T. spring tine harrowed Oct. 22. H. harrowed Oct. 30. Drilled and harrowed in wheat at 3 bushels per acre Nov. 10 Crop failed. T. ploughed in wheat June 5. T. cultivated July 13 and Aug. 4. T. thistlebarred Sept. 11.  | —                                    | Nov. 10      | —             | —             | —              |

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

| Field                   | Crop                    | Variety         | Principal Cultivations and Dates   | Manuring per acre | Sowing Dates | Cutting Dates | Carting Dates | Yield per acre |
|-------------------------|-------------------------|-----------------|--|-------------------|--------------|---------------|---------------|----------------|
| Bone's Close            | Barley                  | Plumage Archer  | T. cultivated in autumn. T. spring tine harrowed twice April 26. H. harrowed, drilled and harrowed in barley at 3 bushels per acre April 27. | —                 | April 27     | Sept. 23      | Oct. 1        | 4 cwt          |
| <i>Grassland</i> :      |                         |                 |  |                   |              |               |               |                |
| Great Field I           | Grazed                  | Old Pasture     | Topped June 17.  | —                 | —            | —             | —             | —              |
| II                      | Grazed                  | Ditto           | Topped July.   | —                 | —            | —             | —             | —              |
| III                     | Grazed                  | Ditto           | Topped July 5.   | —                 | —            | —             | —             | —              |
| Little Knott I and II   | Grazed                  | See Report 1931 |  | See Report 1931   |              |               |               |                |
| Great Knott I           | Hay after late grazing  | Ditto           |  | Ditto             | June 28      | July 8        | July 8        | 27 cwt.        |
| II                      | Hay                     | Ditto           |  | Ditto             | June 30      | July 8        | July 8        | 27 cwt.        |
| West Barnfield I and II | Hay after grazing       | Ditto           | Topped June 26.  | Ditto             | June 24      | July 5        | July 5        | 27 cwt.        |
| Foster's Corner         | Grazed                  | Ditto           |  | Ditto             | —            | —             | —             | —              |
| Great Harpenden         | Grazed                  | Ditto           | Topped June 21.  | Ditto             | —            | —             | —             | —              |
| Stackyard               | Grazed                  | Ditto           | Topped July 6.   | Ditto             | —            | —             | —             | —              |
| New Zealand             | Grazed                  | Ditto           | Topped June 18. Nettles cut Aug. 3.  | Ditto             | —            | —             | —             | —              |
| Sawyers I               | Hay after grazing       | Ditto           |  | Ditto             | June 22      | June 29       | June 29       | 27 cwt.        |
| II                      | Hay                     | Ditto           |  | Ditto             | June 22      | June 29       | June 29       | 27 cwt.        |
| III                     | Grazed                  | Ditto           |  | Ditto             | —            | —             | —             | —              |
| Hill Harpenden          | Grazed                  | Old Pasture     | Topped June 23. Topped June 14.  | —                 | —            | —             | —             | —              |
| Delharding              | Grazed                  | Ditto           | T. chain harrowed both ways April 20. Topped June 16. Nettles cut Aug. 3.  | —                 | —            | —             | —             | —              |
| High Field              | Grazed                  | Ditto           | T. chain harrowed both ways April 20. Topped July 7.   | —                 | —            | —             | —             | —              |
| Appletree               | R.A.S.E. experiment Hay | Ditto           |  | —                 | July 1       | July 13       | July 13       | 30 cwt.        |