

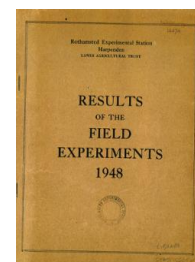
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# Yields of the Field Experiments 1948

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## 48/A/4 Barnfield - Mangolds

### Rothamsted Research

Rothamsted Research (1949) 48/A/4 *Barnfield - Mangolds* ; Yields Of The Field Experiments 1948, pp 8 - 9

MANGOLDS - BARNFIELD 1948.

48/A/4.1

Treatments as listed in 1938 Report, p.110, except that on cross dressings AC and C, rape cake has been replaced by castor bean meal at the same rate of application.

Note. Both the Mangold and Sugar Beet crops were almost destroyed by flea beetle, and only Mangolds were resown.

Cultivations, etc.: Dung applied: Nov.25. Ploughed various days: Nov. 26-Dec. 16. Cultivated: Mar. 25. Artificiala applied: Apr.20 - 23. Thistles cut: Apr.24. Harrowed: Apr. 26. Rolled: Apr. 27. Seed drilled: Apr. 28. Dusted with flea beetle dust: May 14, 19 and 22. Plant almost destroyed by flea beetle by May 29, so decision made to resow mangolds only. Thistles cut: May 29. Springtime harrowed: June 8. Harrowed, rolled and seed redrilled June 9. Top dressings applied: June 10. Harrowed in seed and artificiala: June 11. Dusted: June 19-22. Dung plot hoed: July 8. Hoed: July 12-15. Singled: July 12-21. Hoed: July 26-27, Aug. 16-25, Sept. 9-11, Sept 24-27 and Oct. 11. Lifted: Nov. 3-18. Variety: Yellow Globe.

Note: For leaf weights, two random rows were chosen from each plot. The weight of each of these samples was recorded separately.

| Strip                 | Cross Dressings |           |       |       |       | 48/A/4.2 |  |
|-----------------------|-----------------|-----------|-------|-------|-------|----------|--|
|                       | O               | N         | A     | AC    | C     |          |  |
| Roots: tons per acre  |                 |           |       |       |       |          |  |
| 1                     | 9.52            | 18.19     | 15.49 | 18.35 | 12.61 |          |  |
| 2                     | 10.84           | 18.90     | 18.31 | 22.52 | 17.12 |          |  |
| 4                     | 2.19            | (a) 12.15 | 14.45 | 19.80 | 10.01 |          |  |
|                       |                 | (b) 12.88 |       |       |       |          |  |
| 5                     | 1.54            | 9.27      | 6.34  | 8.38  | 3.90  |          |  |
| 6                     | 1.85            | 10.78     | 13.32 | 16.84 | 6.91  |          |  |
| 7                     | 1.47            | 8.28      | 11.12 | 12.83 | 5.57  |          |  |
| 8                     | 1.35            | 6.53      | 5.58  | 7.44  | 4.78  |          |  |
| 9                     | 11.73           |           |       |       |       |          |  |
| Leaves: tons per acre |                 |           |       |       |       |          |  |
| 1                     | 3.34            | 4.82      | 4.16  | 5.75  | 6.02  |          |  |
| 2                     | 4.94            | 6.29      | 5.82  | 6.63  | 6.43  |          |  |
| 4                     | 1.96            | (a) 5.43  | 5.65  | 7.68  | 5.99  |          |  |
|                       |                 | (b) 6.14  |       |       |       |          |  |
| 5                     | 1.10            | 4.21      | 2.94  | 3.84  | 2.76  |          |  |
| 6                     | 1.20            | 4.31      | 5.02  | 5.31  | 4.33  |          |  |
| 7                     | 0.91            | 4.62      | 5.46  | 7.68  | 4.65  |          |  |
| 8                     | 1.13            | 3.72      | 3.06  | 3.38  | 3.16  |          |  |
| 9                     | 5.19            |           |       |       |       |          |  |