

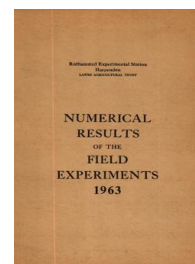
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## Yields of the Field Experiments 1963

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### 63/W/WAW/C/6 Effect of Subsoiling - Barley and Early Potatoes

#### Rothamsted Research

Rothamsted Research (1964) *63/W/WAW/C/6 Effect of Subsoiling - Barley and Early Potatoes* ; Yields Of The Field Experiments 1963, pp 145 - 146 - DOI: <https://doi.org/10.23637/ERADOC-1-183>

63/C/6.1

# EFFECT OF SUBSOILING

(WAW)

Woburn Roadpiece and Great Hill. Test crops, Roadpiece: early potatoes,  
Great Hill: barley - the second year 1963.

Design: 3 randomised blocks of 2 plots each.

| Area of each plot (acres): | Area harvested (acres): |
|----------------------------|-------------------------|
| Roadpiece: 0.0810          | 0.0180                  |
| Great Hill: 0.0762         | 0.0579                  |

Treatments: None, subsoiled in October 1961, 7 strokes per plot, 3 feet  
apart, 18 inches deep.

Basal dressings per acre:

Roadpiece: 8 cwt compound fertiliser, 17% N, 11%  $P_{2O_5}$ , 22%  $K_{2O}$ .

Great Hill: 3 cwt compound fertiliser, 21% N, 14%  $P_{2O_5}$ , 14%  $K_{2O}$  combine  
drilled.

Cultivations, etc.:

Roadpiece: Ploughed: Sept 17 - Oct 17, 1962. Basal dressing applied:  
Apr 11, 1963. Potatoes machine planted: Apr 19. Earthed up:  
June 15. Haulm destroyed mechanically: July 23. Lifted: July 24.  
Variety: Arran Pilot.

Great Hill: Ploughed: Nov 12, 1962. Seed drilled at 2 bushels per  
acre: Apr 8, 1963. Combine harvested: Sept 9. Variety: Proctor.

Previous crops:-

Roadpiece: Spring wheat 1961, barley, spring wheat and sugar beet 1962.  
Great Hill: Spring wheat and barley 1961, spring wheat, barley and  
sugar beet 1962.

Note: For the previous year's results see 'Numerical Results of the  
Field Experiments' 62/C/10.

63/c/6.2

Summary of Results

| Treatment                                              |           |      |
|--------------------------------------------------------|-----------|------|
| None                                                   | Subsoiled | Mean |
| <hr/>                                                  |           |      |
| <u>Roadpiece</u>                                       |           |      |
| <u>Early Potatoes, total tubers: tons per acre</u>     |           |      |
| 8.76                                                   | 9.19      | 8.98 |
| <u>Great Hill</u>                                      |           |      |
| <u>Barley, Grain (at 85% dry matter): cwt per acre</u> |           |      |
| 21.3                                                   | 22.5      | 21.9 |

Mean dry matter % as harvested: 79.2