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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
<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