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Yields of the Field Experiments 1957

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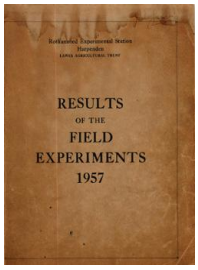

57/R/A/3 Agdell - Potatoes

Rothamsted Research

Rothamsted Research (1958) *57/R/A/3 Agdell - Potatoes ;* Yields Of The Field Experiments 1957, pp 7 - 7 **- DOI: https://doi.org/10.23637/ERADOC-1-177**

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WHEAT AFTER FALLOW - HOOSFIELD 1957

Without manure 1851 and since

For history, treatments, etc. see "Details of the Classical and Long Term Experiments" 1956. In 1957 the original plots were reduced in size to 0.0337 acres to provide additional land for the study of Wheat Bulb Fly.

Cultivations, etc.:

Cropped plots. Ploughed: Sept 26, 1956. Seed sown at 3 bushels per acre: Oct 27. Combine harvested: Aug 26, 1957. Variety: Squareheads Master 13/4.

Fallowed plots. Ploughed: Sept 26, 1956.

Summary of Results

Grain (at 85% dry matter): cwt per acre

Plot No. of years of fallow	B_1 1	B_4 1	B_2 3	Mean
	11.6	11.2	14.1	12.3

Mean dry matter % as harvested: 82.7

POTATOES - AGDELL 1957

For history, treatments, etc. see "Details of the Classical and Long Term Experiments" 1956. In 1957 a crop of potatoes was grown, manured with sulphate of ammonia only.

Area harvested: Plots 1 - 4, 0.0922 acres; 5 and 6, 0.0764 acres.

Basal dressing: 5 cwt sulphate of ammonia per acre.

Cultivations, etc.: Ploughed: Oct 15, 1956. Sulphate of ammonia applied: Apr 25, 1957. Ridged, potatoes machine planted: Apr 30. Earthed up: July 9. Sprayed with copper fungicide, 5 lb in 40 gallons per acre: July 31, Aug 21 and Sept 3. Sprayed with sulphuric acid, 20% BOV, at 100 gallons per acre: Oct 3 and repeated on part area Oct 7. Lifted: Oct 16 - 22. Variety: Ulster Supreme.

Summary of Results

Manure to turnips 1948	None since 1848		Mineral manure No nitrogen		Complete mineral & nitrogenous manure		
Plot rotation	5 Fallow	6 Clover	3 Fallow	4 Clover	1 Fallow	2 Clover	Mean
Total tubers: tons per acre	4.41	2.95	14.39	8.56	15.50	14.14	9.99
Percentage Ware ($1\frac{1}{2}$" riddle)	91.3	70.4	95.3	91.7	93.6	91.8	89.0

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