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Yields of the Field Experiments 1973

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73/W/RN/4 - Market Garden - Barley

Rothamsted Research

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73/W/RN/4

MARKET GARDEN

Object: To study the residual effects of phosphate, applied either as fertiliser or in organic manures in the period 1942-67, on yields of crops grown in rotation - Woburn Lansome I.

Sponsor: A.E. Johnston.

The fourth year of revised scheme, barley.

For previous years see 'Details' 1967, 68/B/4(t), 69/W/RN/4, 70/W/RN/4(t), 71/W/RN/4(t) and 72/W/RN/4(t).

Design: 2 series each of 40 plots divided into 4 blocks of 10 plots. Series B has the plots split into 2.

Whole plot dimensions: 8.53 x 5.18.

Basal applications: Manures: 70 kg N as 'Nitro-Chalk' combine drilled.
Weedkiller: Ioxynil at 0.53 kg plus mecoprop at 1.6 kg in 280 l.

Seed: Julia, dressed with ethirimol, sown at 160 kg.

Cultivations, etc.:-

Series A: Deep-tine cultivated: 27 Oct, 1972. Ploughed: 20 Dec.

Seed sown: 12 Mar, 1973. Weedkiller applied: 27 Apr.

Combine harvested: 9 Aug.

Series B: Ploughed: 19 Dec, 1972. Seed sown: 12 Mar, 1973.

Weedkiller applied: 27 Apr. Combine harvested: 9 Aug.

NOTES: (1) No fresh treatments were applied in 1973.

(2) Yields were not taken because of severe damage by birds.