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83/W/CS/284 Varieties and Pcn Tolerance - Potatoes

Rothamsted Research

Rothamsted Research (1984) *83/W/CS/284 Varieties and Pcn Tolerance - Potatoes* ; Yields Of The Field Experiments 1983, pp 176 - 176 - DOI: <https://doi.org/10.23637/ERADOC-1-44>

83/W/CS/284

VARIETIES & PCN TOLERANCE

Object: To study the effect of a range of populations of potato cyst nematode (PCN) on varieties differing in susceptibility - Woburn Horsepool.

Sponsors: A.G. Whitehead, K. Evans.

The second year, fallow.

For previous year see 82/W/CS/284.

Design: 3 randomised blocks of 32 plots.

Whole plot dimensions: 2.84 x 6.10.

Treatments:

Timely preparation of the site was not possible because of wet conditions. Potato planting was postponed for a year and the site was fallowed.

Basal applications: Manures: (10:10:15+4.5 Mg) at 2480 kg. N at 90 kg as 'Nitro-Chalk'.

Cultivations, etc.:-

Deep-tine cultivated: 12 Jan, 1983. Heavy spring-tine cultivated: 7 Mar, 21 Mar, 15 Apr, 5 May. NPK with Mg applied: 14 Apr. N applied: 5 May. Spring-tine cultivated: 17 May. Ploughed: 28 June. Subsoiled with tines 76 cm apart and 46 cm deep: 14 July.