ROTHAMSTED RESEARCH

Yields of the Field Experiments 1953

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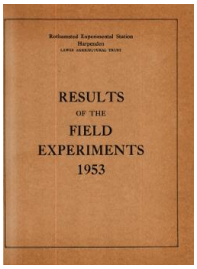

53/CA/7 Wheat - Incidence of Powdery Mildew - Rothamsted

Rothamsted Research

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WHEAT

The effects of sowing date and N on the incidence of Powdery Mildew - Long Hoos I, II and III 1953.

System of replication: 4 randomized blocks of 4 plots each, arranged in 2 block pairs, the effect of sowing date being confounded with block differences.

Area of each plot: 0.0197 acre.

Treatments: All combinations of:-
Sowing date (on blocks): Early; Late - 3 weeks later than Early sown.
N in seed bed: None; 0.2 cwt N per acre applied as sulphate of ammonia.
N top dressing: 0.3; 0.6 cwt N per acre applied as sulphate of ammonia in spring.

Basal dressing: None.

Cultivations, etc.:
'Early' blocks. Harrowed after potatoes: Oct 17 and again Oct 29, 1952. Seed drilled at 2¾ bushels per acre: Oct 29. Sulphate of ammonia applied: Oct 31.
'Late' blocks. Harrowed after potatoes: Oct 17 and again Nov 12. Seed drilled at 2¾ bushels per acre, sulphate of ammonia applied: Nov 12. Crop failed, resown: Mar 13, 1953.
All blocks. Sulphate of ammonia top dressing applied: June 5. Variety: Squareheads Master 13/4, the 'Late' blocks were resown with Fylgia. Previous crop: Potatoes.

Note: No yields were taken as owing to the resowing, the main object of the experiment could not be tested. In addition the crop was poor, particularly the 'Early' blocks which were sown under very wet conditions.

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