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Yields of the Field Experiments 1964

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64/R/AQ/C/9 Cereal Disease Reference Plots - Wheat

Rothamsted Research

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64/C/9.1

CEREAL DISEASE REFERENCE PLOTS

(AQ)

Pennells Piece 1964, the second year

For treatments etc., see 'Results' 63/C/10. (WW = Winter wheat, SW = Spring wheat, O = Oats).

Area of each plot: 0.0180. Area harvested: Winter wheat - 0.0115, spring wheat - 0.0116.

Cultivations, etc.: Ploughed: Oct 8, 1963. All plots except winter wheat chisel ploughed: Dec 17.

Winter wheat: Seed combine drilled at 2.5 bushels: Oct 19, 1963.

'Nitro-Chalk' applied: Mar 5, 1964. Sprayed with mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals): May 12. Combine harvested: Aug 26.

Spring wheat: Seed combine drilled at 3 bushels: Mar 11, 1964.

'Nitro-Chalk' applied: Mar 31. Sprayed with MCPA/dichlorprop (Seritox at 8 pints in 40 gals): May 15. Combine harvested: Aug 28.

Oats: Seed combine drilled at 4 bushels: Mar 7, 1964. 'Nitro-Chalk' applied: Mar 9. Sprayed with MCPA/dichlorprop (Seritox at 8 pints in 40 gals): May 15. Combine harvested: Aug 22.

Spring beans: Seed placement drilled at 200 lb (rows spaced at 10.5 ins): Feb 14, 1964. Combine harvested: Sept 2.

- NOTE: (1) Yields were taken only for winter and spring wheat.
(2) Estimates of the incidence of take-all (*Ophiobolus graminis*), eyespot (*Cercospora herpotrichoides*) and sharp eyespot (*Corticium solani*) were made on 7 occasions for winter and 3 for spring wheat.
(3) For previous year's results see 'Results' 63/C/10.

Standard errors per plot. Grain:

Winter wheat: 1.36 or 3.5% (5 d.f.)

Spring wheat: 2.85 or 9.4% (5 d.f.)

64/C/9.2

SUMMARY OF RESULTS

GRAIN

WINTER WHEAT

Crop in 1963		Mean	Diff
WW	Q		
37.9	39.1	38.2	1.2
(±0.55)	(±0.96)		(±1.11)

SPRING WHEAT

Crop in 1963		Mean	Diff
SW	Q		
28.0	36.6	30.2	8.6
(±1.16)	(±2.01)		(±2.32)