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65/R/AP/C/8 Chemical Control of Take-all - Winter Wheat

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65/C/8.1

CHEMICAL CONTROL OF TAKE-ALL

(AP)

The chemical control of take-all (*Ophiobolus graminis*) in winter wheat - Highfield Drive 1965, the third year.

Area of each plot: 0.0072. Area harvested: 0.0071.

Treatments: None (0) and all combinations of:-

1. Rates of spraying: Heptachlor at 4 lb in 70 gals (H4), at 8 lb in 140 gals (H8).
2. Times of spraying: In 1964 only (S1), in 1963 and in 1964 (S2).

No heptachlor sprays were applied in 1965.

Basal applications: 2.5 cwt (0:20:20) combine drilled. 1 cwt N as 'Nitro-Chalk' applied as spring top dressing. Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals).

Cultivations, etc.: Ploughed: Oct 16, 1964. Seed drilled at 160 lb: Oct 23. 'Nitro-Chalk' applied: Apr 14, 1965. Sprayed: Apr 30. Combine harvested: Aug 26. Variety: Cappelle.

- NOTES: (1) Estimates were made of the incidence of take-all and eyespot (*Cercospora herpotrichoides*) in March and June.
- (2) For previous years' results see 'Results' 63/C/9 and 64/C/8.

Standard error per plot.

Grain: 4.48 or 11.7% (8 d.f.)

65/C/8.2

SUMMARY OF RESULTS

GRAIN

D	H4 S1	H8 S1	H4 S2	H8 S2	Mean
37.4	37.8	38.1 (± 2.58)	42.1	35.2	38.1

Mean D.M.%: 76.2