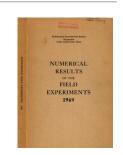
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Numerical Results of the Field Experiments 1969



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Rothamsted Research

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INTENSIVE WHEAT

(69/s/cs/1)

Saxmundham, Oldershaw's and Garner's plots 1969, the fourth year. For treatments etc. and for previous years' results see 'Results' 66/C/30, 67/C/23 and 68/C/39.

Area of each sub plot: 0.0182. Area harvested: 0.0098.

Basal applications: 560 lb (0:20:20) broadcast. Weedkillers: Wheat: Mecoprop at 42 oz and 2,4-D at 10.5 oz in 25 gals. Beans: Simazine at 1 lb in 23 gals.

Cultivations, etc.: Ploughed: 13 - 21 Sept, 1968. Basal PK applied: 14 Oct.

Wheat: Seed drilled: 15 Oct, 1968. 'Nitro-Chalk' applied: 26 Mar, 1969. Weedkiller applied: 12 May. Combine harvested: 21 Aug. Variety: Cappelle.

Beans: Seed drilled at 240 lb: 24 Mar, 1968. Weedkiller applied: 27 Mar. Harvested: 9 Sept. Variety: Maris Bead.

NOTES: (1) Yields were taken for winter wheat only.

(2) Estimates of the incidence of take-all (Ophiobolus graminis) were made.

Standard errors per plot. Wheat, grain, cwt: Whole plot: 1.45 or 5.3% (9 d.f.)
Sub plot: 1.69 or 6.2% (24 d.f.)

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SUMMARY OF RESULTS

WINTER WHEAT

| Crop 1966 1967 196 | 58 | Nl | N2 | N3 | Mean |
|-----------------------|-------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | Ja See L | GR A I | IN: CWT | 1 17 61 | |
| | (1) and (2) | | | | (±0.72) |
| W W L W L Be W L | W W W Be | 20.8 20.4 24.7 26.4 | 26.9 27.5 31.7 29.9 | 29.3 28.9 31.4 31.4 | 25.7 25.6 29.3 29.2 |
| Mean (±0.42) | | 23.0 | 29.0 | 30.2 | 27.4 |
| | | STRA | W: CWT | | |
| | W W W Be | 17.1 20.3 24.2 22.3 | 27.9 28.2 30.7 24.3 | 27.3 25.8 28.1 29.1 | 24.1 24.8 27.7 25.2 |
| Mean | | 21.0 | 27.8 | 27.6 | 25.4 |

^{(1) (} ± 1.00) For use in vertical and diagonal comparisons only (2) (± 0.85) For use in horizontal and interaction comparisons only

Mean D.M. %: Grain: 78.9 Straw: 82.5