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Numerical Results of the Field Experiments 1969

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69/S/CS/1 - Intensive Wheat - Beans & Wheat

Rothamsted Research

Rothamsted Research (1970) *69/S/CS/1 - Intensive Wheat - Beans & Wheat* ; Numerical Results Of The Field Experiments 1969, pp 226 - 227 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

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.)

SUMMARY OF RESULTS

WINTER WHEAT

Crop			N1	N2	N3	Mean
1966	1967	1968				
GRAIN: CWT						
			(1) and (2)			(±0.72)
W	W	W	20.8	26.9	29.3	25.7
L	W	W	20.4	27.5	28.9	25.6
L	Be	W	24.7	31.7	31.4	29.3
W	L	Be	26.4	29.9	31.4	29.2
Mean (±0.42)			23.0	29.0	30.2	27.4
STRAW: CWT						
W	W	W	17.1	27.9	27.3	24.1
L	W	W	20.3	28.2	25.8	24.8
L	Be	W	24.2	30.7	28.1	27.7
W	L	Be	22.3	24.3	29.1	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