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Yields of the Field Experiments 1971

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71/W/CS/11 Soil Structure - Wheat

Rothamsted Research

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71/W/CS/11

SOIL STRUCTURE

Object: To study the residual effects of peat, applied 1963 - 1968, and simazine, applied 1969 - 1970, on the yield of wheat - Woburn Stackyard II.

The ninth year, winter wheat.

For previous years see 64/C/20(t), 65/C/19(t), 66/C/11(t), 67/C/8(t), 68/C/31(t) and 69-70/W/CS/11(t).

Design: 4 randomised blocks of 5 plots.

Whole plot dimensions: 2.13 x 3.05. Area harvested: 0.00054.

Basal applications: 597 kg 'Nitro-Chalk'.

Cultivations, etc.: Hand cultivated, seed drilled: 7 Oct, 1970.
N applied: 19 Apr, 1971. Hand harvested: 17 Aug. Variety: Cappelle.

71/W/CS/11

SUMMARY OF RESULTS

	0	So65	DG1	DG2	DG3	Mean
GRAIN: TONNES/HECTARE						
SO	3.71	3.70	3.66	2.64	2.72	3.29
SA	3.02	2.30	2.69	4.08	2.75	2.97
SB	2.99	3.77	3.79	3.59	3.23	3.47
SC	3.02	3.08	4.13	3.97	3.52	3.54
Mean	3.18	3.21	3.57	3.57	3.05	3.32

STRAW: TONNES/HECTARE						
SO	7.82	8.00	8.15	8.11	8.31	8.08
SA	7.57	6.94	8.11	9.04	8.34	8.00
SB	7.55	7.91	8.26	8.27	9.15	8.23
SC	6.64	6.97	8.62	7.85	8.61	7.74
Mean	7.39	7.45	8.29	8.32	8.60	8.01

Mean D.M. %: Grain: 80.2
Straw: 56.7