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Yields of the Field Experiments 1971

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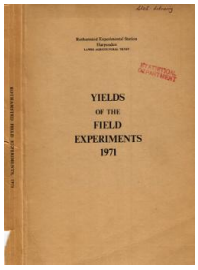

71/W/CS/67 Much Fertiliser and Fym - Wheat

Rothamsted Research

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71/W/CS/67

MUCH FERTILISER AND FYM

Object: To study the residual effects of large dressings of FYM and NPK fertiliser applied to potatoes 1970, on the yields of a following winter wheat - Woburn Stackyard C.

The second year, winter wheat.

For previous year see 70/W/P/3(t).

Design: 3 blocks of 10 plots, split into 2.

Whole plot dimensions: 3.05 x 2.74. Area harvested: 0.00033.

NOTE: In 1971 plots were split for fresh treatment 63 v. 126 kg N as 'Nitro-Chalk' 21.

Basal applications: Weedkiller: 2,4-D at 0.84 kg plus dichlorprop at 3.4 kg in 449 l.

Cultivations, etc.: Spring-tine cultivated: 7 Oct, 1970. Seed drilled at 212 kg: 8 Oct. N applied: 15 Apr, 1971. Weedkiller applied: 20 Apr. Harvested by hand: 19 Aug. Variety: Cappelle.

Standard errors per plot.
Grain, tonnes/hectare: Whole plot: 0.290 or 6.0% (18 d.f.)
Sub plot: 0.299 or 6.2% (20 d.f.)

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71/W/CS/67

SUMMARY OF RESULTS

N:KG/HA 1971	F2DE	F4DE	F2DES	F4DES	F2S	F4S	D2	D4	D2F2DE	D4F2DE	Mean
	GRAIN: TONNES/HECTARE										
					(1) and (2)						(±0.055)
63	4.15	4.46	4.04	4.47	4.15	4.17	4.06	4.31	4.32	4.64	4.28
126	5.62	5.54	5.85	5.56	5.11	4.22	5.80	5.49	5.66	5.59	5.44
Mean (±0.167)	4.89	5.00	4.95	5.02	4.63	4.20	4.93	4.90	4.99	5.12	4.86

N:KG/HA 1971											
	STRAW: (FRESH) TONNES/HECTARE										
63	7.36	8.73	7.56	9.10	7.27	9.20	7.48	8.41	8.02	8.70	8.18
126	9.49	9.68	9.09	10.16	8.41	10.80	9.09	9.22	9.56	10.66	9.62
Mean	8.42	9.20	8.32	9.63	7.84	10.00	8.29	8.82	8.79	9.68	8.90

(1) (±0.207) For use in horizontal and diagonal comparisons only
(2) (±0.173) For use in vertical and interaction comparisons only

Mean D.M. %: Grain: 79.8

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