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Yields of the Field Experiments 1981

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81/R/WF/3 Wheat and Fallow - W. Wheat

Rothamsted Research

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81/R/WF/3

WHEAT AND FALLOW

Object: To study the effects of fallowing for one or three years on unmanured w. wheat - Hoosfield.

The 126th year, w. wheat.

For previous years see 'Details' 1967, 1973 and 74-80/R/WF/3.

Whole plot dimensions: 9.60 x 52.1.

Treatments:

PLOT Plot number and phase of fallowing cycle (up to 1981):-

-	Plot 1	F	W	F	W	F	W	F	F	F
2 FALL 1	Plot 2	W	F	W	F	F	F	W	F	W
-	Plot 3	F	F	F	W	F	W	F	W	F
4 FALL 3	Plot 4	W	F	W	F	W	F	F	F	W
-	Plot 5	F	W	F	F	F	W	F	W	F
6 FALL 1	Plot 6	F	F	W	F	W	F	W	F	W
-	Plot 7	F	W	F	W	F	F	F	W	F
8 FALL 1	Plot 8	W	F	F	F	W	F	W	F	W

W = w. wheat, F = fallow.

Seed: Flanders seed dressed chlorfenvinphos, sown at 200 kg.

Cultivations, etc.:-

Wheat plots: Ploughed, rotary harrowed, seed sown: 1 Oct, 1980. Combine harvested: 19 Aug, 1981.

Fallow plots: Ploughed: 1 Oct, 1980; 17 June, 1981; 16 July. Heavy spring-tine cultivated, and spring-tine cultivated: 18 Apr, 1981. Rotary harrowed: 15 May. Heavy spring-tine cultivated: 19 June. Spring-tine cultivated: 1 July, 20 July, 11 Aug.

GRAIN TONNES/HECTARE

***** TABLES OF MEANS *****

PLOT	2 FALL 1	4 FALL 3	6 FALL 1	8 FALL 1	MEAN
	1.07	1.52	1.10	0.89	1.15

GRAIN MEAN DM% 82.8

STRAW TONNES/HECTARE

***** TABLES OF MEANS *****

PLOT	2 FALL 1	4 FALL 3	6 FALL 1	8 FALL 1	MEAN
	0.76	1.04	0.83	0.62	0.81

STRAW MEAN DM% 91.2

PLOT AREA HARVESTED 0.01483