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Yields of the Field Experiments 1976

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76/R/WF/3 Wheat and Fallow - Wheat

Rothamsted Research

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76/R/WF/3

WHEAT AND FALLOW

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

The 121st year, winter wheat.

For previous years see 'Details' 1967, 68/A/3(t), 69-75/R/WF/3.

Whole plot dimensions: 9.61 x 52.1.

Treatments:

PLOT Phase of fallowing cycle (up to 1976):-

1/FALL1	Plot 1	F	W	F	F	F	W	F	W
-	Plot 2	F	F	W	F	W	F	W	F
3/FALL3	Plot 3	F	W	F	W	F	F	F	W
-	Plot 4	W	F	F	F	W	F	W	F
-	Plot 5	F	W	F	W	F	W	F	F
-	Plot 6	W	F	W	F	F	F	W	F
7/FALL1	Plot 7	F	F	F	W	F	W	F	W
-	Plot 8	W	F	W	F	W	F	F	F

W = wheat, F = fallow.

Basal applications: Dicamba with mecoprop and MCPA ('Banlene Plus' at 5.6 l in 220 l).

Seed: Cappelle, sown at 200 kg.

Cultivations, etc.:-

Wheat plots: Ploughed: 11 Oct, 1975. Rotary harrowed: 15 Oct. Seed sown: 17 Oct. Weedkiller applied: 29 Apr, 1976. Combine harvested: 29 July.

Fallow plots: Ploughed: 11 Oct, 1975, 2 June, 1976 and 8 July. Heavy spring-tine cultivated: 21 Apr, 11 June. Spring-tine cultivated: 22 Mar, 20 July.

GRAIN TONNES/HECTARE

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

PLOT	1/FALL1	7/FALL1	3/FALL3	MEAN
	1.81	1.56	2.02	1.80

GRAIN MEAN DM% 87.8

STRAW TONNES/HECTARE

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

PLOT	1/FALL1	7/FALL1	3/FALL3	MEAN
	1.01	0.51	0.74	0.76

STRAW MEAN DM% 92.4

PLOT AREA HARVESTED 0.01483