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80/R/WF/3 Wheat and Fallow

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80/R/WF/3

WHEAT AND FALLOW

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

The 125th year, w. wheat.

For previous years see 'Details' 1967, 1973 and 74-79/R/WF/3.

Whole plot dimensions: 9.60 x 52.1.

Treatments:

PLOT Plot number and phase of fallowing cycle (up to 1980):-

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

W = w. wheat, F = fallow.

Basal applications: Weedkillers: Mecoprop, bromoxynil and ioxynil (as 'Brittox' at 3.5 l) in 250 l. Insecticide: Demeton-s-methyl at 0.24 kg in 250 l.

Seed: Flanders, sown at 200 kg.

Cultivations, etc.:

Wheat plots: Ploughed: 11 Oct, 1979. Rotary harrowed, seed sown: 16 Oct. Weedkiller applied: 16 Apr, 1980. Insecticide applied: 24 June. Combine harvested: 21 Aug.

Fallow plots: Ploughed: 11 Oct, 1979. Heavy spring-tine cultivated: 21 Apr, 1980. Ploughed: 9 May, 16 June. Spring-tine cultivated: 22 May, 19 June. Rotary harrowed: 1 Aug.

GRAIN TONNES/HECTARE

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

PLOT	3 FALL 1	5 FALL 1	7 FALL 3	MEAN
	1.28	1.43	1.69	1.47

GRAIN MEAN DM% 80.9

STRAW TONNES/HECTARE

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

PLOT	3 FALL 1	5 FALL 1	7 FALL 3	MEAN
	0.75	0.68	0.75	0.73

STRAW MEAN DM% 90.1

PLOT AREA HARVESTED 0.01483