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

Rothamsted Research

Rothamsted Research (1983) *82/R/WF/3 Wheat and Fallow - W. Wheat* ; Yields Of The Field Experiments 1982, pp 18 - 18 - DOI: <https://doi.org/10.23637/ERADOC-1-33>

82/R/WF/3

WHEAT AND FALLOW

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

The 127th year, w. wheat.

For previous years see 'Details' 1967, 1973 and 74-81/R/WF/3.

Whole plot dimensions: 9.60 x 52.1.

Treatments:

PLOT	Plot number and phase of fallowing cycle (up to 1982):-										
1 FALL 3	Plot 1	F	W	F	W	F	W	F	F	F	W
-	Plot 2	W	F	W	F	F	F	W	F	W	F
3 FALL 1	Plot 3	F	F	F	W	F	W	F	W	F	W
-	Plot 4	W	F	W	F	W	F	F	F	W	F
5 FALL 1	Plot 5	F	W	F	F	F	W	F	W	F	W
-	Plot 6	F	F	W	F	W	F	W	F	W	F
7 FALL 1	Plot 7	F	W	F	W	F	F	F	W	F	W
-	Plot 8	W	F	F	F	W	F	W	F	W	F

W = w. wheat, F = fallow.

NOTE: The comparison of effects of three-year and one-year fallow started in 1932 was made for the last time in 1982.

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

Cultivations, etc.:-

Wheat plots: Ploughed: 29 Sept, 1981. Rotary harrowed: 15 Oct. Seed sown: 16 Oct. Combine harvested: 20 Aug, 1982.
 Fallow plots: Ploughed: 29 Sept, 1981. Spring-tine cultivated: 15 Apr, 1982. Ploughed: 4 May. Spring-tine cultivated: 12 May. Ploughed: 17 June. Spring-tine cultivated: 30 June. Rotary harrowed: 29 July.

GRAIN TONNES/HECTARE

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

PLOT	1 FALL 3	3 FALL 1	5 FALL 1	7 FALL 1	MEAN
	1.42	1.29	1.41	1.39	1.38

GRAIN MEAN DM% 81.2

STRAW TONNES/HECTARE

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

PLOT	1 FALL 3	3 FALL 1	5 FALL 1	7 FALL 1	MEAN
	0.70	0.67	0.73	0.67	0.69

STRAW MEAN DM% 88.3

PLOT AREA HARVESTED 0.01483