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Yields of the Field Experiments 1984

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

Rothamsted Research

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84/R/WF/3

WHEAT AND FALLOW

Object: To study the effects of fallowing on unmanured w. wheat - Hoosfield.

The 129th year, w. wheat.

For previous years see 'Details' 1967, 1973 and 74-83/R/WF/3.

Whole plot dimensions: 9.60 x 211.

Treatments:

Each year there are two plots, one is sown to w. wheat, one is fallow; they alternate in successive years. The comparison of effects of three-year and one-year fallow, started in 1932, was made for the last time in 1982.

Standard applications:

Wheat plot: Weedkillers: Chlortoluron at 3.5 kg in 250 l.
3, 6-dichloropicolinic acid at 0.07 kg and bromoxynil at 0.34 kg with mecoprop (as 'CMPP' at 4.2 l) in 200 l. Insecticide: Pirimicarb at 0.14 kg in 200 l.

Seed: Flanders, dressed chlorfenvinphos, sown at 210 kg.

Cultivations, etc:-

Wheat plot: Ploughed: 12 Sept, 1983. Spring-tine cultivated: 6 Oct.
Rotary harrowed, seed sown: 7 Oct. Chlortoluron applied: 1 Dec.
3, 6-dichloropicolinic acid, bromoxynil and mecoprop applied: 17 Apr, 1984. Insecticide applied: 28 June. Combine harvested: 14 Aug.
Fallow plot: Ploughed: 12 Sept, 1983. Spring-tine cultivated: 6 Oct.
Heavy spring-tine cultivated: 27 Apr, 1984. Ploughed: 2 May.
Rolled, heavy spring-tine cultivated: 8 May. Ploughed: 18 June.
Rolled, spring-tine cultivated: 25 June.

GRAIN AND STRAW TONNES/HECTARE

	GRAIN	STRAW
YIELD	1.95	1.21
MEAN DM%	84.4	86.8
PLOT AREA HARVESTED	0.060090	