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# Results of the Classical and Other Long-term Experiments 2005

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## 05/R/WF/3 - Wheat and Fallow

### Rothamsted Research

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05/R/WF/3

WHEAT AND FALLOW

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

The 150th year, w. wheat.

For previous years see 'Details' 1967, 1973 and 74-04/R/WF/3.

**Whole plot dimensions:** 9 x 211.

**Treatments:**

Two plots, one sown to w. wheat, one fallow; alternating in successive years.

**Experimental diary:**

29-Sep-04 : : Ploughed, 25 cm wide furrows.  
30-Sep-04 : : Cultipressed  
05-Oct-04 : : Flexitined  
06-Oct-04 : : Combination drilled, Hereward, tr. Sibutol Secur, at  
350 seeds/m<sup>2</sup> with the Accord drill.  
: : Rolled.  
25-Nov-04 : : tm)Hawk at 2.0 l in 200 l to wheat plot.  
: : tm)Alpha IPU 500 at 2.5 l in 200 l to wheat plot.  
: : tm)Nufarm Cropoil at 1.0 l in 200 L to wheat plot.  
: : tm)Hallmark with Zeon Technology at 50 ml in 200 L to  
wheat plot.  
07-Apr-05 : : Springtined fallow plot.  
29-Apr-05 : : tm)Opus at 0.75 l in 200 l to wheat plot.  
: : tm)Bravo 500 at 1.0 l in 200 l to wheat plot.  
: : tm)Atlas Chlormequat 700 at 2.25 L in 200 L to wheat  
plot.  
03-May-05 : : Ally SX at 30 g in 200 l to wheat plot.  
13-May-05 : : Flexitined fallow plot.  
15-May-05 : : tm)Opus at 0.75 l in 200 l to wheat plot.  
: : tm)Bravo 500 at 1.0 l in 200 l to wheat plot.  
: : tm)Starane 2 at 0.5 l in 200 L to wheat plot.  
31-May-05 : : tm)Opus at 0.75 l in 200 l to wheat plot.  
: : tm)Amistar Opti at 1.5 l in 200 l to wheat plot.  
06-Jun-05 : : Power harrowed.  
12-Jul-05 : : Power harrowed.  
16-Aug-05 : : Combine harvested, plot for yield, swathed straw.  
17-Aug-05 : : Sampled and weighed straw.

**NOTE:** Unground grain and straw was archived.

**GRAIN AND STRAW YIELDS TONNES/HECTARE**

	GRAIN	STRAW
YIELD	1.92	0.48
MEAN DM%	86.1	88.6
PLOT AREA HARVESTED	0.04431	