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# Results of the Classical and Other Long-term Experiments 2006

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

### Rothamsted Research

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06/R/WF/3

WHEAT AND FALLOW

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

The 151<sup>st</sup> year, w. wheat.

For previous years see 'Details' 1967, 1973 and 74-05/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-05 : : Ploughed, 25 cm wide furrows.  
04-Oct-05 : : Cultipressed  
07-Oct-05 : : cultipressed, combination drilled, Hereward, tr.  
Sibutol Secur, at 350 seeds/m<sup>2</sup> with the Accord  
drill, rolled.  
17-Oct-05 : : Ice at 4.0 l in 200 l to wheat plot.  
05-Dec-05 : : Hallmark with Zeon Technology at 50 ml in 200 L to  
wheat plot.  
07-Apr-06 : : Springtined fallow plot.  
21-Apr-06 : : 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)Flexity at 0.2 L in 200 L to wheat plot.  
17-May-06 : : Power harrowed fallow plot.  
21-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)Vivid at 0.4 l in 200 l to wheat plot.  
: : tm)Starane 2 at 0.75 l in 200 l to wheat plot.  
: : tm)Ally Max SX at 42 g in 200 l to wheat plot.  
23-Jun-06 : : Rotovated fallow plot.  
06-Aug-06 : : Combine harvested discards, baled straw.  
23-Aug-06 : : Combine harvested, plot for yield, swathed straw.  
: : Sampled and weighed straw.  
25-Aug-06 : : Combine harvested remaining discards, baled straw.

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

**NOTE:** Due to an error in weighing it was not possible to obtain a straw DM% and the yield calculation assumes a dry matter of 85%

**GRAIN AND STRAW YIELDS TONNES/HECTARE**

	GRAIN	STRAW
YIELD	2.58	1.46+
MEAN DM%	84.3	*

+ assuming 85% dry matter

PLOT AREA HARVESTED 0.04431