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Yields of the Field Experiments 2011

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Results of the
Classical and other
Long-term Experiments
2011

R/WF/3 Wheat and Fallow

Rothamsted Research

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11/R/WF/3

WHEAT AND FALLOW

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

The 156th year, w. wheat.

For previous years see 'Details' 1967, 1973 and Yield Books for 74-10/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

			Rate	Unit
10-Oct-10	a	Ploughed		
13-Oct-10	a	Cultipressed		
15-Oct-10	s	Drilled Hereward trt Redigo Deter - 350 seeds / metre sq	158	kg/ha
16-Oct-10	a	Rolled		
17-Oct-10	p	Sprayed Regatta - water volume = 200 lt/ha 0.6 l/ha		
24-Mar-11	a	Flexi Tined -Fallow areas only		
28-Mar-11	p	Sprayed Cherokee- Water volume = 118 lt/ha. Applied to WW area only	1.25	l/ha
13-Apr-11	a	Flexi Tined - Fallow plot		
14-Apr-11	a	Power harrowed - Fallow section		
05-May-11	p	Sprayed Bravo 500,	1.0	l/ha
		Tracker,	1.0	l/ha
		Agriguard Chlormequat 720,	2.25	l/ha
		Ally Max	42	g/ha
		and Starane 2 - 200 lt/ha water	0.75	l/ha
16-May-11	a	Cut paths		
19-May-11	p	Sprayed Opus,	0.8	l/ha
		Comet 200,	0.6	l/ha
		and Bravo 500 - 100 l/ha water	1.0	l/ha
23-May-11	a	Cut paths		
23-May-11	a	Rotavated fallows		
20-Jun-11	a	Cut paths		
01-Aug-11	a	Cut paths		
12-Aug-11	a	Combined O+Es - Opened up trials with commercial combine ready for yields to be taken		
12-Aug-11	a	Baled O+Es - Baled area discard area cut to open out trials		
03-Sep-11	a	Combined for yields		
03-Sep-11	a	Straw weights		
05-Sep-11	a	Combined - Discards		

Note: Underground grain and straw was archived.

GRAIN AND STRAW YIELDS TONNES/HECTARE

	GRAIN	STRAW
YIELD	1.605	0.5218
MEAN DM%	82.78	87.00
PLOT AREA HARVESTED	0.04431	