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RESEARCH

Yields of the Field Experiments 2010

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Results of the
Classical and other
Long-term Experiments

2010

R/WF/3 Wheat and Fallow

Rothamsted Research

Rothamsted Research (2011) *R/WF/3 Wheat and Fallow* ; Yields Of The Field Experiments 2010, pp 21 - 21 - DOI: <https://doi.org/10.23637/ERADOC-1-220>

10/R/WF/3

WHEAT AND FALLOW

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

The 155th year, w. wheat.

For previous years see 'Details' 1967, 1973 and Yield Books for 74-09/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
30-Sep-09	a	Plough		
01-Oct-09	a	Cultipressed		
05-Oct-09	s	Hereward - At 350 seeds per m2	145.00	kg/ha
	p	Liberator - 200 lt water	0.60	l/ha
	a	Combination Drilled		
10-Apr-10	p	Cherokee - 146 l water	1.00	l/ha
18-Apr-10	p	Attribut - 146 lt water	100.00	g/ha
	p	Amber - 146 lt water	1.00	l/ha
	p	Oxytril CM - 146 lt water	1.00	l/ha
27-Apr-10	a	Flexi tined - Fallow plots		
	a	Powerharrowed - Fallow plots		
06-May-10	p	Bravo 500 - 200 lt water	1.00	l/ha
	p	Tracker - 200 lt water	1.00	l/ha
	p	Chlormequat 3C - 200 lt water	2.25	l/ha
18-May-10	p	Tomahawk	1.00	l/ha
	p	Cleancrop Gallifrey	1.00	l/ha
20-May-10	a	Rotavate - fallow areas		
02-Jun-10	p	Comet - 200 lt water	0.60	l/ha
	p	Opus - 200 lt water	0.60	l/ha
21-Jul-10	a	Rotavate - fallows		
31-Aug-10	a	Combine harvest, plots for yield		
	a	Sample, bale and weigh straw		
03-Sep-10	a	Combine harvest discards		
04-Sep-10	a	Baled		
22-Sep-10	a	Other operation - removed bales		

Note: Unground grain and straw was archived.

GRAIN AND STRAW YIELDS TONNES/HECTARE

	GRAIN	STRAW
YIELD	1.58	0.71
MEAN DM%	84.94	86.62
PLOT AREA HARVESTED	0.04431	