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Yields of the Field Experiments 2011



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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

10-Oct-10				Rate	Unit
15-Oct-10 s Drilled Hereward trt Redigo Deter - 350 seeds / metre sq 16-Oct-10 a Rolled 17-Oct-10 p Sprayed Regatta - water volume = 200 lt/ha 0.6 l/ha l/ha 24-Mar-11 a Flexi Tined - Fallow areas only 1.25 l/ha 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 1.0 l/ha 14-Apr-11 a Power harrowed - Fallow section 1.0 l/ha 05-May-11 p Sprayed Bravo 500, Tracker, Agriguard Chlormequat 720, Ally Max and Starane 2 - 200 lt/ha water 1.0 l/ha 16-May-11 a Cut paths 0.75 l/ha 19-May-11 p Sprayed Opus, One	10-Oct-10	а	Ploughed		
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 1.25 l/ha 14-Apr-11 a Power harrowed - Fallow section 05-May-11 p Sprayed Bravo 500, Tracker, Agriguard Chlormequat 720, Ally Max Agriguard 720, Ally Max Agriguard 720, Ally Max Agriguard 720, Ally Max	13-Oct-10	а	Cultipressed		
17-Oct-10 p Sprayed Regatta - water volume = 200 lt/ha 0.6 l/ha 24-Mar-11 a Flexi Tined -Fallow areas only 1.25 l/ha 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 1.25 l/ha 14-Apr-11 a Power harrowed - Fallow section 1.0 l/ha 05-May-11 p Sprayed Bravo 500, Tracker, Agriguard Chlormequat 720, Ally Max and Starane 2 - 200 lt/ha water 1.0 l/ha 16-May-11 a Cut paths 0.75 l/ha 19-May-11 p Sprayed Opus, One	15-Oct-10	S	Drilled Hereward trt Redigo Deter - 350 seeds / metre sq	158	kg/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 1.25 l/ha 14-Apr-11 a Power harrowed - Fallow section 0.0 l/ha 05-May-11 p Sprayed Bravo 500, l/ha 1.0 l/ha Agriguard Chlormequat 720, Ally Max and Starane 2 - 200 lt/ha water 2.25 l/ha 16-May-11 a Cut paths 19-May-11 p Sprayed Opus, One l/ha water 0.8 l/ha 19-May-11 p Sprayed Opus, One l/ha water 0.6 l/ha 23-May-11 a Cut paths 1.0 l/ha 23-May-11 a Cut paths 1.0 l/ha 20-Jun-11 a Cut paths 1.0 l/ha 20-Jun-11 a Cut paths 1.0 l/ha 12-Aug-11 a Combined O+Es - Opened up trials with commercial combine ready for yields to be taken 12-Aug-11 a Combined O+Es - Baled area discard area cut to open out trials 03-Sep-11 a <t< td=""><td>16-Oct-10</td><td>а</td><td>Rolled</td><td></td><td></td></t<>	16-Oct-10	а	Rolled		
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and Starane 2 - 200 lt/ha water 16-May-11 a Cut paths 19-May-11 p Sprayed Opus, O.6 l/ha Comet 200, O.6 l/ha and Bravo 500 - 100 l/ha water 23-May-11 a Cut paths 23-May-11 a Rotavated fallows 20-Jun-11 a Cut paths 12-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 33-Sep-11 a Combined for yields 35-Sep-11 a Straw weights			Agriguard Chlormequat 720,	2.25	l/ha
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	05-Sep-11	а	Combined - Discards		

Note: Unground 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	

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