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66/R/HWF/A/3 Hoosfield - Wheat After Fallow

Rothamsted Research

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66/A/3.1

WHEAT AFTER FALLOW - HOOSFIELD 1966

(HWF)

For history, treatments, etc. see 'Details' 1962.

The winter wheat was damaged by wheat bulb fly (*Leptohylemia coarctata*) and plots A3 and A4 were resown with spring wheat. Plot A1, which was less severely attacked, was left in winter wheat.

Area of each plot: Cappelle (C) - 0.0552, Rothwell Perdix (R) - 0.0690, Kloka (K) - 0.124. Area harvested: 0.0368.

Cultivations, etc.:-

Cropped plots: Ploughed: Oct 14, 1965. Seed drilled at 190 lb: Nov 5. Sections A3 and A4 rotary cultivated and redrilled with Kloka spring wheat at 230 lb: May 2, 1966. Winter wheat sprayed with ioxynil/mecoprop (Acril C at 6 pints in 40 gals): May 16. Spring wheat sprayed with MCPA at 1.5 lb a.e. in 40 gals: June 16. Winter wheat combine harvested: Sept 3. Spring wheat combine harvested: Sept 7. Fallowed plots: Ploughed 3 times: Oct 14, 1965, May 23, 1966 and July 15.

66/A/3.2

SUMMARY OF RESULTS

Plot No of years of fallow Strip Variety	A3		A4		A1	
	1		1		3	
	A	B	A	B	A	B
	K	K	K	K	C	R
GRAIN						
	10.0	9.0	10.2	9.6	11.2	13.7
STRAW						
	8.0	6.5	8.1	7.1	4.6	7.0
Mean D.M. %:	Grain: 79.7		Straw: 84.8			