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Yields of the Field Experiments 1967

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67/R/RW512/DA/5 Spring Wheat - Comparison of Combines

Rothamsted Research

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67/Da/5.1

SPRING WHEAT

(RW 501)

Comparison of combines - Fosters West Side 1967.

Design: 8 randomised blocks of 6 plots, with N-levels applied to blocks. For plot length harvested plots are either whole, halved or quartered.

Area of each plot:	Area harvested:
Whole plots:	
Small combine: 0.0110	0.0043
Large combine: 0.0221	0.0086
Half plots:	
Small combine: 0.0055	0.0021
Large combine: 0.0110	0.0043
Quarter plots:	
Small combine: 0.0028	0.0011
Large combine: 0.0055	0.0021

Treatments: All combinations of:-

To blocks: 1. Nitrogen: 0.6 (N1), 1.2 (N2) cwt N as basal compound plus 'Nitro-Chalk'.

To plots: 2. Combine harvesters:

PAM 150S cutting 8 rows (4'8"), Clayson M103 cutting 16 rows (9'4"), between blank rows.

3. Length harvested: 40 feet (whole plot), 2 x 20 feet (half plots), 4 x 10 feet (quarter plots).

Basal applications: 270 lb (25:10:10) combine drilled. Weedkiller: Mecoprop/2,4-D (Methoxone Extra at 6 pints in 30 gals).

Cultivations, etc.: Ground chalk applied at 23 cwt: Dec 5, 1966.

Ploughed: Jan 12, 1967. Seed drilled at 174 lb: Mar 15.

'Nitro-Chalk' applied: Mar 21. Sprayed: May 12. Combine harvested: Aug 24. Variety: Kloka. Previous crops: Barley 1965, potatoes 1966.

SUMMARY OF RESULTS

GRAIN

Combine Harvester	N1			N2			Mean
	Whole plot	Half plot	Quarter plot	Whole plot	Half plot	Quarter plot	
PAM 150S	45.3	42.6	43.1	49.7	48.1	45.1	45.6
CLAYSON M103	46.4	45.9	45.8	50.0	49.2	47.8	47.5

Mean D.M. %: 81.5

67/Da/5.2