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Yields of the Field Experiments 1967

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67/R/RB201/DB/2 Barley - Comparison of Combines

Rothamsted Research

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67/Do/3

BARLEY

(RB 301)

Spraying and wheelmarks - Pastures 1967.

Design: 4 randomised blocks of 4 plots.

Area of each plot: 0.0331. Area harvested: 0.0138.

Treatments: All combinations of:-

1. Weedkiller spray: None (O), sprayed with mecoprop/2,4-D (Methoxone Extra at 6 pints in 30 gals) (S).
2. Wheel damage: None (O), tractor wheel damage in spraying weedkiller, i.e. one passage of a wheeled tractor per harvested width (10 ft) (W).

Basal applications: 340 lb compound (25:10:10) combine drilled.

Cultivations, etc.: Rotary cultivated: Sept 16, 1966. Ploughed: Nov 23 - Jan 5, 1967. Ground chalk applied at 50 cwt: Jan 6. Ploughed second time: Jan 11. Seed drilled at 140 lb: Mar 17. Weedkiller applied to S plots and wheelmarks to W plots: May 18. Combine harvested: Aug 22. Variety: Maris Badger. Previous crops: Spring wheat 1965, fallow 1966.

Standard error per plot.

Grain: 1.27 or 3.5% (9 d.f.)

SUMMARY OF RESULTS

GRAIN

	O	W	Mean
	(±0.64)		(±0.45)
O	37.1	36.8	36.9
S	36.3	35.5	35.9
Mean (±0.45)	36.7	36.2	36.4

Mean D.M. %: 81.9