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Yields of the Field Experiments 1962

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62/R/DF/1 Kale - Control of Weeds

Rothamsted Research

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62/Df/1

KALE

Control of weeds by residual herbicides - West Barnfield I 1962.

Design: 2 randomised blocks of 7 plots each, plots being split for 0 ▽ mechanical cultivations.

Area of each sub plot: 0.0406 acres.

Treatments. All combinations of:-

Whole plots: Residual herbicides as follows:

<u>Herbicide</u>	<u>Rates (in lb active material in 40 gallons per acre)</u>	
None	Nil	(0)
Dinoseb	3; 6	(D1; D2)
Paraquat	$\frac{1}{2}$; $\frac{3}{4}$	(Pa1; Pa2)
Prometryne	$1\frac{3}{4}$; $2\frac{1}{2}$	(Pr1; Pr2)

Sub plots: None; mechanical cultivations (M)

Basal dressings per acre: $5\frac{3}{4}$ tons dung, 10 cwt compound fertiliser (10% N, 10% P_2O_5 , 18% K_2O), $2\frac{1}{2}$ cwt 'Nitro-Chalk'.

Cultivations, etc.: Dung applied: Dec 18, 1961. Ploughed: Dec 21.

Rotary cultivated: Apr 24, 1962. Basal compound fertiliser applied: Apr 27. Seed drilled at 3 lb per acre: May 23.

Residual herbicides applied: May 30. Appropriate sub plots steerage hoed: June 23. Basal 'Nitro-Chalk' applied: July 11.

'M' sub plots steerage hoed: July 12. Variety: Thousand Head. Previous crops: Barley 1960 and 1961.

*Note 1: Except on one plot of treatment D2 on which no kale had survived.

Note 2: No yields were taken, as the crop was destroyed by the severe frost and by birds.