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Yields of the Field Experiments 1966

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66/W/WP101/DD/9 Potatoes - Varieties

Rothamsted Research

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66/Da/9.1

POTATOES

(WP 101)

Varieties - Woburn Butt Close 1966.

Design: 4 x 4 Latin square.

Area of each plot: 0.0096. Area harvested: 0.0048.

Treatments:-

Varieties: Pentland Dell (D), King Edward (E), Majestic (see note below), Maris Piper (P).

Basal applications, etc.: 10 tons dung, 7 cwt (17:11:22).

Fungicide: Mancozeb 1.2 lb in 33 gals on 3 occasions. Weedkiller: Linuron at 1 lb a.i., and paraquat 0.75 lb ion in 37 gals.

Cultivations, etc.: Deep-tine cultivated: Sept 16, 1965. Ploughed: Nov 15. Dung applied: Jan 11, 1966. Ploughed: Jan 28.

Basal NPK applied: Mar 23. Rotary cultivated and planted: Mar 31. Earthed up (rotoridged): May 4. Sprayed weedkiller: May 7. Sprayed fungicide: June 29, July 18, Aug 4. Haulm destroyed mechanically: Sept 3. Lifted: Sept 13. Previous crops: Barley 1964, fallow 1965.

NOTE: The seed of the varieties D, E and P was once-grown ex Rothamsted, H certificate. Majestic was also included but once-grown seed was not available so a Scotch SS stock was used. Because of fungus diseases this gave only 60% of normal plants (the other varieties gave full plant populations) and was therefore excluded from the analysis. The mean yield of total tubers for Majestic was 9.55 tons, mean % ware 87.7.

Standard errors per plot.

Total tubers: 1.792 or 17.1% (6 d.f.)

66/Da/9.2

SUMMARY OF RESULTS

D	E	P	Mean
TOTAL TUBERS			
	(± 0.896)		
7.72	10.71	13.04	10.49
% WARE			
72.7	69.8	84.2	75.5