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Yields of the Field Experiments 1965

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65/R/RP101/DD/1 Potatoes - Dsa

Rothamsted Research

Rothamsted Research (1966) *65/R/RP101/DD/1 Potatoes - Dsa* ; Yields Of The Field Experiments 1965, pp 261 - 261 - DOI: <https://doi.org/10.23637/ERADOC-1-159>



65/Dd/1

POTATOES

(RP 101)

Effects of DSA (dimethylamino-succinamic acid - a dwarfing compound) - Highfield odds and ends III 1965.

Design: A single replicate of 3 x 6 in 6 blocks of 3 plots each.

Area of each plot: 0.0096. Area harvested: 0.0011.

Treatments: All combinations of:-

Blocks: 1. Seed tuber size: 45-50, 50-60, 60-70, 70-80, 80-90, 90 and more grams. Setts hand planted at 15 inches apart within the row.

Plots: 2. DSA: None (S0), 47 oz in 290 gals (S1), 235 oz in 290 gals (S5), applied twice June 17 and July 1.

Basal applications: 7 cwt (17:11:22). Fungicide: Mancozeb at 1.2 lb in 37 gals on 4 occasions. Weedkiller: Linuron at 2lb and paraquat at 0.75 lb ion in 40 gals.

Cultivations, etc.: Ploughed: Oct 16, 1964. Basal NPK applied: Apr 14, 1965. Rotary cultivated: Apr 23. Potatoes planted: Apr 26. Sprayed, weedkiller: June 17, fungicide: June 30, July 27, Aug 9, Aug 13. Lifted: Oct 25. Variety: Majestic. Previous crops: Oats 1963, barley 1964.

NOTE: The crop was sampled on 4 occasions for leaf area, dry weights and tuber yield. ✓

Standard error per plot (estimated from Block x DSA interaction). Total tubers: 1.468 or 6.5% (10 d.f.)

SUMMARY OF RESULTS

TOTAL TUBERS

S0	S1	S5	Mean
21.88	22.77	23.34	22.66
	(±0.599)		