

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1965

[Full Table of Content](#)



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) | | | |