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RESEARCH

## Yields of the Field Experiments 1966

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### 66/R/RP1/1/DD/1 Early Potatoes - Dsa

#### Rothamsted Research

Rothamsted Research (1967) *66/R/RP1/1/DD/1 Early Potatoes - Dsa* ; Yields Of The Field Experiments 1966, pp 273 - 274 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Dd/1.1

## EARLY POTATOES

(RP/1)

Effects of DSA (dimethylamino-succinamic acid - a dwarfing compound) on early potatoes - Little Hoos 1966.

Design: 6 randomised blocks of 4 plots.

Area of each plot: 0.0064. Area harvested: 0.0004.

Treatments: All combinations of:-

1. Varieties: Arran Pilot (A), Maris Peer (M).
2. DSA spray: None (O), sprayed at 1.5 lb in 120 gals at tuber formation (S).

Basal applications: 13.5 tons dung, 7.75 cwt (17:11:22). Fungicide: Mancozeb at 1.2 lb in 37 gals on 2 occasions.

Cultivations, etc.: Dung applied: Jan 11, 1966. Ploughed: Jan 12. Basal NPK applied: Mar 30. Rotary cultivated, potatoes planted: Apr 14. DSA applied: June 10. Fungicide applied: July 1 and 25. Sprayed with diquat (Reglone at 4 pints in 40 gals): Sept 17. Lifted: Sept 19. Previous crops: Barley 1964, fallow 1965.

NOTE: The crop was sampled on 4 occasions for leaf area, dry weights and tuber yield. The yields presented are based on the final samples taken on Sept 19.

Standard error per plot.

Total tubers: 2.397 or 13.6% (14 d.f.)

66/Da/1.2

# SUMMARY OF RESULTS

## TOTAL TUBERS

|               | O        | S     | Mean     |
|---------------|----------|-------|----------|
|               | (±0.978) |       | (±0.692) |
| A             | 18.03    | 18.28 | 18.16    |
| M             | 18.03    | 15.90 | 16.97    |
| Mean (±0.692) | 18.03    | 17.09 | 17.56    |