ROTHAMSTED RESEARCH

Yields of the Field Experiments 1958

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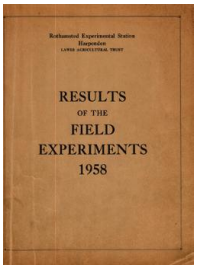

58/R/CC/1 Spring Oats - Varieties and N

Erratum

Erratum (1959) *58/R/CC/1 Spring Oats - Varieties and N ;* Yields Of The Field Experiments 1958, pp 103 - 103 **- DOI: https://doi.org/10.23637/ERADOC-1-181**

58/Cc/1

SPRING OATS

Varieties and levels of nitrogen - Long Hoos VII 1958.

Design: 3 randomized blocks of 8 plots each, plots being split into 2 for the application of nitrogen.

Area of each sub plot: 0.0154 acres. Area harvested: 0.0103 acres.

Treatments: All combinations of:-
Whole plots. Varieties: Blenda (1); Deva (2); Eagle (3); Flamande (4); Palu (5); Pendek (6); Sun II (7); de Wattines (8).
Sub plots. Nitrogen: None; 0.36 cwt N per acre applied as sulphate of ammonia.

Basal dressing: 3 cwt compound fertilizer (12% N, 9% P_2O_5, 9% K_2O) per acre combine drilled with seed.

Cultivations, etc.: Ploughed: Dec 30 - 31, 1957. Seed combine drilled at 3½ bushels per acre, sulphate of ammonia applied: Mar 27, 1958. Sprayed with MCPA, 5 pints in 40 gallons per acre: May 27. Combine harvested: Aug 31. Previous crop: Potatoes.

Standard errors per plot, Grain (at 85% dry matter):
Whole plot: 1.68 cwt per acre or 5.4% (14 d.f.)
Sub plot: 3.54 cwt per acre or 11.4% (16 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

N: cwt per acre (including basal)	Variety 1	2	3	4	5	6	7	8	Mean
				(±1.74)*					
0.36	35.5	28.5	30.0	32.2	36.1	30.8	32.3	33.8	32.4
0.72	30.4	26.5	26.4	29.6	34.6	25.1	30.4	32.3	29.4
Mean (±0.96)	32.9	27.5	28.2	30.9	35.3	27.9	31.3	33.1	30.8
Difference (±2.89)	-5.1	-2.0	-3.6	-2.6	-1.5	-5.7	-1.9	-1.5	-3.0 (±1.02)

*for use in comparisons other than vertical.

Mean dry matter % as harvested: 84.8

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