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Yields of the Field Experiments 1959

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

Rothamsted Research

Rothamsted Research (1960) *59/R/CC/1 Spring Oats - Varieties and N* ; Yields Of The Field Experiments 1959, pp 81 - 81 - DOI: <https://doi.org/10.23637/ERADOC-1-179>

59/Cc/2

SPRING OATS

Frit fly study (sowing dates) - Long Hoos V 1959.

Design: 2 randomized blocks of 3 plots each.

Area of each plot: 0.425 acres. Area harvested: 0.0675 acres.

Treatments:- Sowing dates: Mar 13; Apr 10; Apr 22, 1959.

Basal dressing:- 390 lb compound fertilizer (12% N, 9% P₂O₅, 9% K₂O) per acre combine drilled with seed.

Cultivations, etc.: Ploughed: Sept 22, 1958. Seed combine drilled at 3 bushels per acre: Mar 13, Apr 10 and Apr 22, 1959. Sprayed with TCB/MCPA at 4 pints in 40 gallons per acre: first and second sowing - May 12; third sowing - May 26. Combine harvested: first sowing - Aug 5; second and third sowing - Aug 17. Variety: Blenda. Previous crop: Winter wheat.

Note. Counts of frit fly and egg numbers, and estimates of grain and tiller damage, and of growth rates were made at frequent intervals.

Summary of Results

Date of sowing

Mar 13	Apr 10	Apr 22	Mean
<u>Grain (at 85% dry matter): cwt per acre</u>			
20.9	19.2	16.7	18.9
<u>Straw (at 85% dry matter): cwt per acre</u>			
18.2	16.6	16.3	17.0

Mean dry matter % as harvested

	First sowing	Second and third sowings
Grain	81.4	81.3
Straw	71.5	86.9