

68/c/22.1

WINTER WHEAT

(DA)

Soil sterilants, Claycroft 1968, the second year.

Design: 2 replicates of 10 x 2 in 4 blocks of 10 plots.

Area of each plot: 0.0030. Area harvested: 0.0016.

Treatments: All combinations of:-

1. Treatment sequences (soil sterilants):-

1967	O	O	F	F	R	R	Z	Z	D	D
1968	O	F	O	F	R	Z	R	Z	O	D

where O = No sterilant, not rotary cultivated.

R = No sterilant, rotary cultivated.

D = D-D at 800 lb injected.

Z = Dazomet at 400 lb rotary cultivated in.

F = Formalin drench at 266* gals of formalin in 9680 gals.

2. Nitrogen (cumulative 1967, 1968): None (NO), 1.0 (N1) cwt N as 'Nitro-Chalk'.

Basal applications: 2.5 cwt (0:20:20) combine drilled.

Cultivations, etc.: Ploughed: 13 Sept, 1967. Dazomet applied and rotary cultivated in, R plots rotary cultivated, formalin drench applied: 5 Oct. D-D applied: 9 Oct. Seed drilled at 180 lb: 23 Nov. 'Nitro-Chalk' applied: 11 Apr, 1968. Combine harvested: 24 Aug. Variety: Cappelle.

NOTE: (1) Plant samples were taken for disease counts.

(2) Many plants on plots treated with D-D in 1968 had deformed ears. No abnormal ears were seen on other plots.

(3) For the previous year's results see 'Results' 67/C/29.

Standard error per plot.

Grain: 1.93 or 6.2% (18 d.f.)

* 372 gals in 1967

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