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# Yields of the Field Experiments 1999



Full Table of Content

# 99/W/CS/427 Contaminated Sludge Cake - W. Wheat

# **Rothamsted Research**

Rothamsted Research (2000) 99/W/CS/427 Contaminated Sludge Cake - W. Wheat; Yields Of The Field Experiments 1999, pp 71 - 72 - DOI: https://doi.org/10.23637/ERADOC-1-34

# 99/R/CS/411

### DRY MATTER TONNES/HECTARE

\*\*\*\*\* Tables of means \*\*\*\*\*

N	-	N1	Mean
VARIETY			
CAVIN R	10.78	13.27	12.03
KANLOW	12.15	11.46	11.81
PATHFIND	11.65	10.21	10.93
SUNBURST	9.76	9.52	9.64
FORESTB	10.14	8.60	9.37
NEBR 28	10.33	11.36	10.85
DACOTAH	7.11	7.89	7.50
Mean	10.28	10.33	10.30

\*\*\* Standard errors of differences of means \*\*\*

VARIETY	N	VARIETY
0.777	0.415	1.099

\*\*\*\*\* Stratum standard errors and coefficients of variation \*\*\*\*\*

 Stratum
 d.f.
 s.e.
 cv%

 BLOCK.WP
 26
 1.346
 13.1

MEAN DM% 56.7

PLOT AREA HARVESTED 0.00047

#### 99/W/CS/427

#### CONTAMINATED SLUDGE CAKE

Object: To test the effect of zinc, copper or cadmium enriched sewage sludges on soil microbial activity and agricultural productivity - Woburn, Butt Close West.

Sponsors: S.P. McGrath, A. Chaudri.

The fifth year, w. wheat.

For previous years see 98/W/CS/427.

Design: 3 randomised blocks of 23 plots.

Whole plot dimensions:  $6.0 \times 8.0$ .

#### Treatments:

#### SLUDGE

T2 Uncontaminated, digested low rate (quadruplicated) T3 Uncontaminated, undigested low rate (duplicated) T4 Zinc 150 T5 Zinc 250	
T4 Zinc 150	
T5 Zinc 250	
T6 Zinc 350	
T7 Zinc 450	
T8 Copper 50	
T9 Copper 100	
T10 Copper 150	
T11 Copper 200	
T12 Cadmium 1	
T13 Cadmium 2	
T14 Cadmium 3	
T15 Cadmium 4	
T16 Uncontaminated, digested low rate + nitrogen (duplicated)	
T17 Uncontaminated, undigested low rate + nitrogen (duplicate	d)
T18 Zinc 15 kg per annum	
T19 Copper 7.5 kg per annum	
T20 Cadmium 0.15 kg per annum	

## Experimental diary: